

# CEGO's WebMaster Tutorial



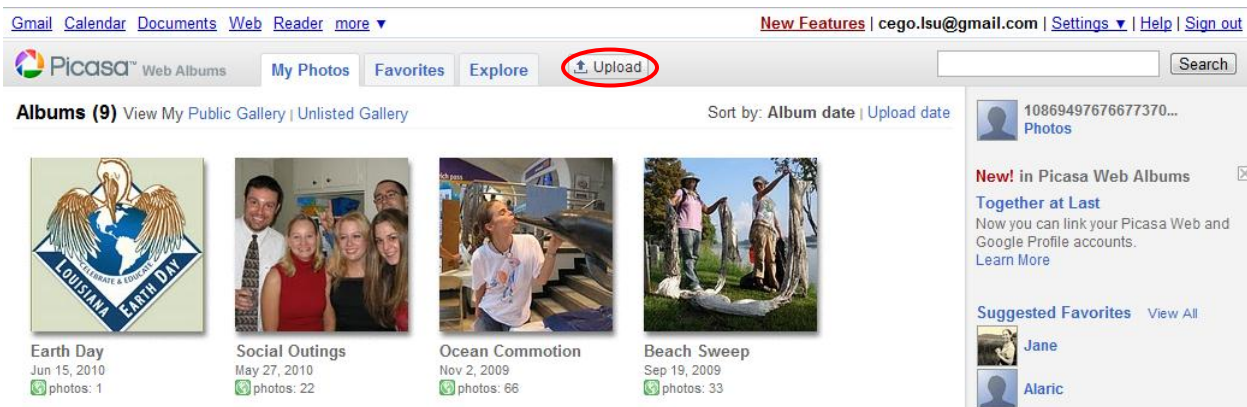
Original Document Prepared by:  
Jennifer A. Lentz (CEGO's 2010-2011 President)

**Directions for CEGO's  
gmail & other online accounts**

# CEGO's gmail & other Online Account Info

## ➤ Internet – related

- **CEGO Website** (<http://www.sce.lsu.edu/CEGO/>)
  - To make changes to the website itself you must have administrative access to the website, which means contacting Roberto Wong ([evwong@lsu.edu](mailto:evwong@lsu.edu), ECE # 1267) & having him give your paws id access to CEGO's folder on SCE Server3.
  - **All officers** have access to & can add events to the **Google calendar** on CEGO's website.
    - ↳ To do this just log into the general CEGO account (email: [CEGO.LSU@gmail.com](mailto:CEGO.LSU@gmail.com); Password: XXXXXXXXXX).
  - **All of the officers** can upload photos to our **Picasa web albums** (which are linked to our website (<http://www.sce.lsu.edu/cego/photos.asp>) by logging into the general CEGO account, & clicking on the "more ▼" link & then scrolling down to **Photos**.
    - ↳ The albums are linked to our website, so any photos uploaded to these albums will automatically appear on our website



- **CEGO Facebook Group**
  - Name: Coast Environment Graduate Organization (CEGO)
  - Website: <http://www.facebook.com/group.php?gid=18036159400> ?
  - All current officers are listed as “Admins” & “Officers”
  - Currently only people in the LSU Network can join...hopefully we'll be able to change this so that anyone can join

# CEGO's gmail & other Online Account Info

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## ➤ Listserv Email-Related

- **SC&E Grad Student Listserv** ([SCEgr-L@listserv.lsu.edu](mailto:SCEgr-L@listserv.lsu.edu))
  - Maintained by CEGO's current Secretary
  - The [DOCSGR-L.listserv.lsu.edu](mailto:DOCSGR-L.listserv.lsu.edu) has been renamed [SCEgr-L@listserv.lsu.edu](mailto:SCEgr-L@listserv.lsu.edu)
  - listserv owner has been changed from [MERsecretary@hotmail.com](mailto:MERsecretary@hotmail.com) to [CEGO.secretary@gmail.com](mailto:CEGO.secretary@gmail.com)
  - all current grad students in the School of Coast & Environment (SC&E) will be included in this listserv, not just CEGO members
  - The way the listservs are set up unless you've been added to the system only people with **lsu** email addresses can send emails to the listservs, the people who get the emails for the [SCEgr-L@listserv.lsu.edu](mailto:SCEgr-L@listserv.lsu.edu) are those that have been put in the system by CEGO's secretary
  - At the beginning of each semester (or just before the semester starts) CEGO's secretary should contact the DOCS & ENVIS secretaries and get the names & email addresses for any incoming grad students and then add these new people to the [SCEgr-L@listserv.lsu.edu](mailto:SCEgr-L@listserv.lsu.edu)
  - If you know someone who is not getting the emails, have them contact CEGO's secretary ([CEGO.secretary@gmail.com](mailto:CEGO.secretary@gmail.com))
  - Several of the CEGO Officer email addresses have also been added to the [SCEgr-L@listserv.lsu.edu](mailto:SCEgr-L@listserv.lsu.edu) so that we can distinguish between personal & CEGO-related emails that are sent out to the listserv
- **SC&E info Listserv** ([SCEinfo-L@listserv.lsu.edu](mailto:SCEinfo-L@listserv.lsu.edu))
  - Maintained by **Roberto Wong** ([evwong@lsu.edu](mailto:evwong@lsu.edu), ECE # 1267)
  - The following CEGO emails have also been added to the [SCEinfo-L@listserv.lsu.edu](mailto:SCEinfo-L@listserv.lsu.edu):
    - [CEGO.LSU@gmail.com](mailto:CEGO.LSU@gmail.com)
    - [CEGO.Seminars@gmail.com](mailto:CEGO.Seminars@gmail.com)
- Also the listserv does not allow attachments, so if you need to attach something you can either
  - send the file to CEGO's current webmaster so that they can save put it on the server in the **Attachments** folder & give you a website address to put in the email as a link [www.sce.lsu.edu/CEGO/Attachments/](http://www.sce.lsu.edu/CEGO/Attachments/) & then whatever the name of the file is (try to avoid using spaces or special symbols when naming files to be viewed online)
  - or
  - you can upload the file to LSU's system & get a link to the file by logging into your Paws account & clicking on "FilesToGeaux" under the "Computing Services" heading on the left.



# CEGO's gmail & other Online Account Info

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## ➤ Email-Related

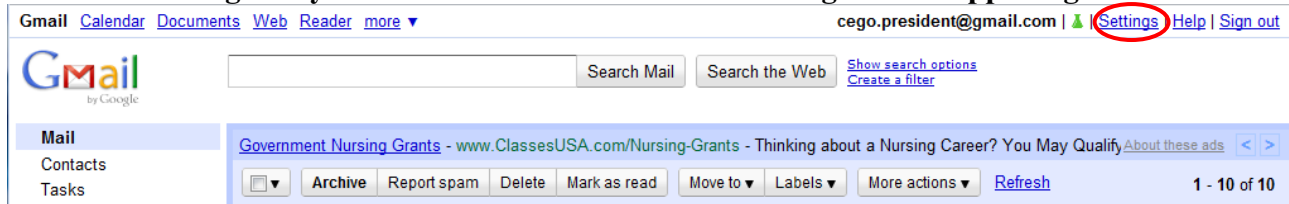
- **Reason for creating new email accounts**
  - Attachments can be sent (whereas they cannot be sent using the listserv)
  - Recipients immediately know what the email is in regards to based on the sender's email address & likewise if anyone has questions they can just email a certain account instead of having to know who's in office
  - The accounts can be passed on to the new officers year after year which will enable officers to be easily contacted year after year, regardless of who's in office, & it will also allow new officers to see what type of emails were sent in the past
  - RSVP info can be done through google calendar to keep track of attendance, or by creating a form in Google Documents.
  - Log-in info & the information used to set up each account, is listed in the website handout given at the May meeting (& also posted as a google doc. that all the officers have access to)
  - All officers will have access to the [CEGO.LSU@gmail.com](mailto:CEGO.LSU@gmail.com) account
  - The default password for all the accounts is [REDACTED] which is also the password for the default account (CEGO.LSU), officers can change their individual passwords just as long as they don't change the one for the default account
  
- **New Email Account Info:** The following Email Accounts have been created for CEGO
  - [CEGO.LSU@gmail.com](mailto:CEGO.LSU@gmail.com)
    - all CEGO officers have access to this account
    - it can be used it to send emails to either the [SCEgr-L@listserv.lsu.edu](mailto:SCEgr-L@listserv.lsu.edu) or [SCEinfo-L@listserv.lsu.edu](mailto:SCEinfo-L@listserv.lsu.edu)
    - This account should be used when officers want to make add/make changes to CEGO's live **Google calendar** or to upload pictures to CEGO's Picasa wealbum
    - This email account is currently set to automatically forward incoming emails to the following CEGO email accounts: [CEGO.President@gmail.com](mailto:CEGO.President@gmail.com), [CEGO.VicePresident@gmail.com](mailto:CEGO.VicePresident@gmail.com), & [CEGO.Secretary@gmail.com](mailto:CEGO.Secretary@gmail.com)
  
  - [CEGO.President@gmail.com](mailto:CEGO.President@gmail.com)
  - [CEGO.VicePresident@gmail.com](mailto:CEGO.VicePresident@gmail.com)
  - [CEGO.Secretary@gmail.com](mailto:CEGO.Secretary@gmail.com)
  - [CEGO.Treasurer@gmail.com](mailto:CEGO.Treasurer@gmail.com)
  - [CEGO.CaptainPlanet@gmail.com](mailto:CEGO.CaptainPlanet@gmail.com)
  - [CEGO.EduOutreach@gmail.com](mailto:CEGO.EduOutreach@gmail.com)
  
  - [CEGO.Food4Thought@gmail.com](mailto:CEGO.Food4Thought@gmail.com)
  - [CEGO.Seminars@gmail.com](mailto:CEGO.Seminars@gmail.com)
  - [CEGO.SocialChair@gmail.com](mailto:CEGO.SocialChair@gmail.com)
  - [CEGO.WebMaster@gmail.com](mailto:CEGO.WebMaster@gmail.com)
  - [GSS.LSU@gmail.com](mailto:GSS.LSU@gmail.com)  
(set to automatically forward incoming emails to [CEGO.LSU@gmail.com](mailto:CEGO.LSU@gmail.com))

# CEGO's gmail & other Online Account Info

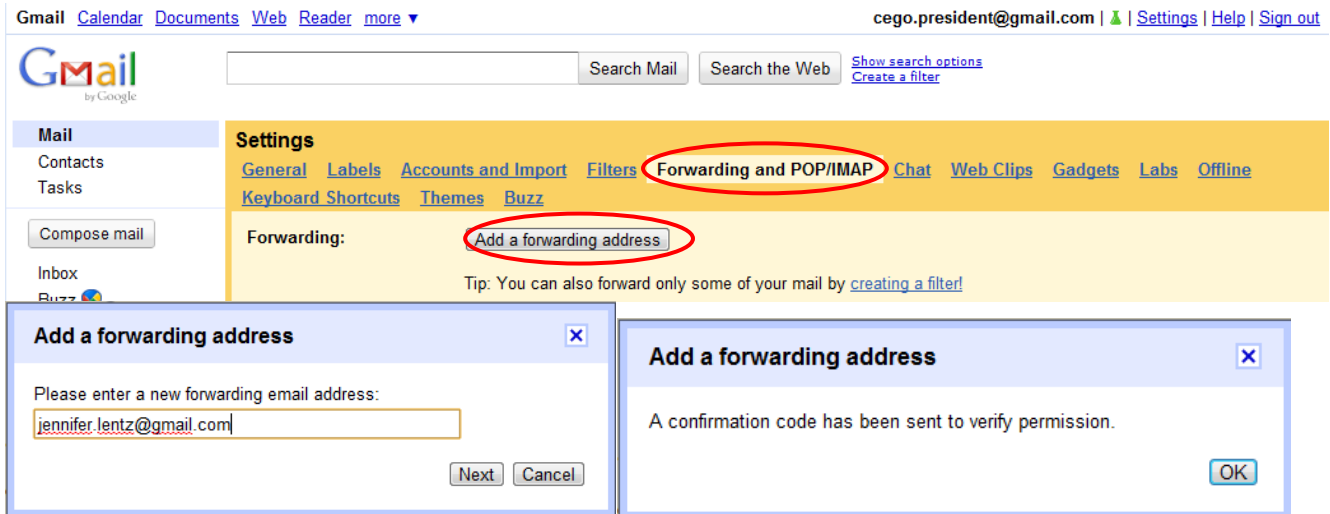
- **Linking your CEGO account to your person email account**

If you don't want to worry about keeping track of the email in both the CEGO & your personal account, you can have your CEGO email forwarded to your personal account & then have your personal account set up so that it replies from the address it was sent to...here's how....

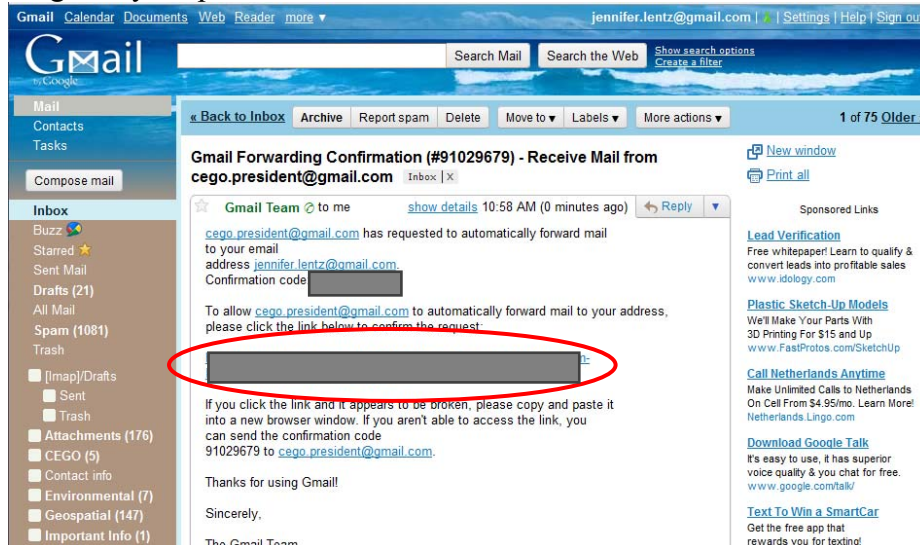
**1. Log into your CEGO account & click on settings on the upper right side**



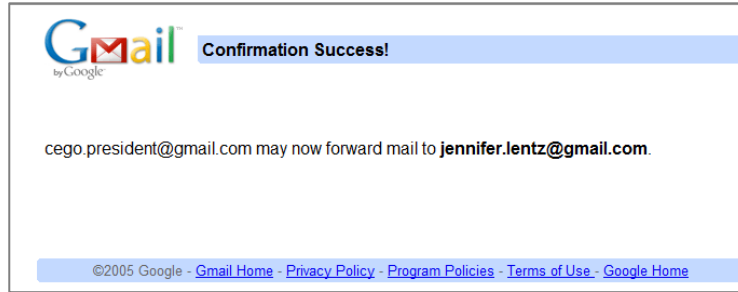
**2. Then click on Forwarding & Pop/IMAP & click on Add a forwarding address.**  
It will then send a confirmation code to your personal address



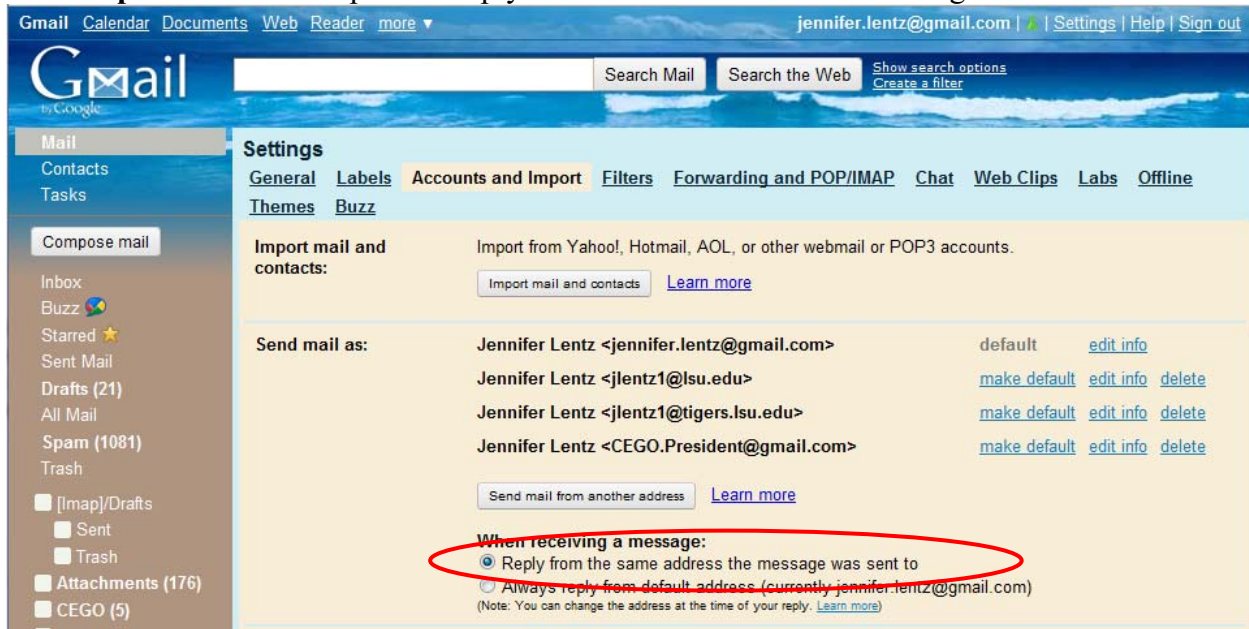
**3. Log into your person account & click the confirmation link**



# CEGO's gmail & other Online Account Info

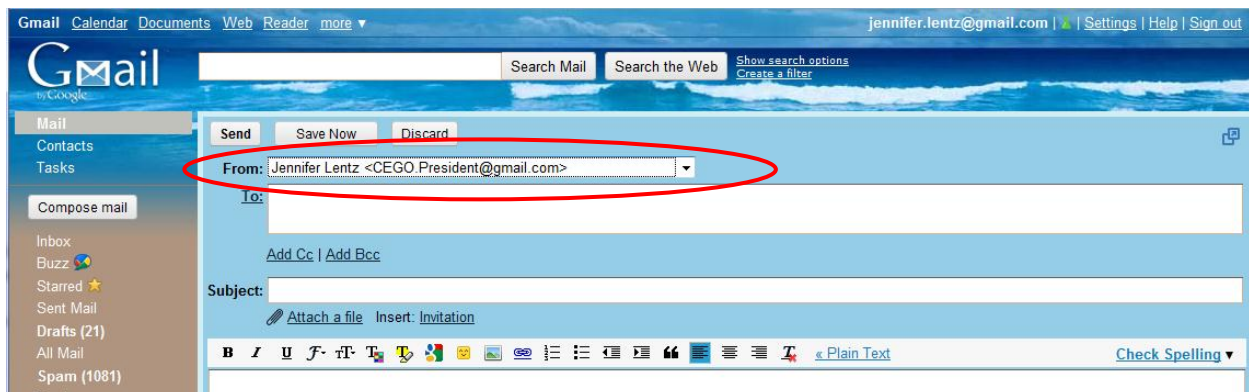


4. While still in your personal account go back to the Settings section & click on **Accounts & Import** & click the option to reply from the same address the message was sent to.



Now all your CEGO email should come to your personal email account, but when you reply it will go out from your CEGO email address.

You can also send email from your CEGO address from your personal account by clicking on the arrow & scrolling down to your CEGO name



# CEGO's gmail & other Online Account Info

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## CEGO Website (<http://www.SCE.lsu.edu/CEGO/>)

**Admins:** current President & Webmaster

**How To Connect:** go to "My Computer" → "map your local drive" → select a drive letter

type in [\\sce-server3\cego](http://sce-server3\cego) it will prompt you for your LSU Paws ID & password  
only those with administrative access can log in to make changes to the website

**Note:** if your computer is not currently on the network (i.e. you don't log in to the computer using your LSU info) click "Connect using different credentials" & put ".lsu.edu" after your paws ID

## CEGO Facebook Group Site

**Name:** Coast & Environment Graduate Organization (CEGO)

**Website:** <http://www.facebook.com/group.php?gid=18036159400>

**Admins:** all current officers      **Officers:** all current officers      **Members:** anyone in the LSU network  
(hopefully we'll eventually be able to change this to open it up to non-LSU network people)

## CEGO Listserv

**Email Address:** [SCEgr-L@listserv.lsu.edu](mailto:SCEgr-L@listserv.lsu.edu)

**Admins:** current CEGO Secretary ([CEGO.Secretary@gmail.com](mailto:CEGO.Secretary@gmail.com))

**access:** all current SC&E grad students (& possibly anyone with an LSU email address)

**Note:** you cannot send attachments when emailing to the listserv

## CEGO email accounts

### All Current CEGO Officers

**Email Address:** [CEGO.LSU@gmail.com](mailto:CEGO.LSU@gmail.com)

**Temporary Password:**

*Information used to set up the account*

<b>First Name:</b> CEGO	<b>Security Question:</b> <input type="text"/>
<b>Last Name:</b> LSU	<b>Answer:</b> <input type="text"/>
<b>Login Name:</b> CEGO.LSU	<b>Recovery email:</b> N.A.
<b>Password:</b> <input type="text"/>	<b>Birthday:</b> 01/01/1980

# CEGO's gmail & other Online Account Info

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## CEGO President

**Email Address:** [CEGO.President@gmail.com](mailto:CEGO.President@gmail.com)

**Temporary Password:**

*Information used to set up the account*

<b>First Name:</b> CEGO	<b>Security Question:</b> <input type="password"/>
<b>Last Name:</b> President	<b>Answer:</b> <input type="password"/>
<b>Login Name:</b> CEGO.President	<b>Recovery email:</b> CEGO.LSU@gmail.com
<b>Password:</b> <input type="password"/>	<b>Birthday:</b> 01/01/1980

## CEGO Vice President

**Email Address:** [CEGO.VicePresident@gmail.com](mailto:CEGO.VicePresident@gmail.com)

**Temporary Password:**

*Information used to set up the account*

<b>First Name:</b> CEGO	<b>Security Question:</b> <input type="password"/>
<b>Last Name:</b> Vice President	<b>Answer:</b> <input type="password"/>
<b>Login Name:</b> CEGO.VicePresident	<b>Recovery email:</b> CEGO.LSU@gmail.com
<b>Password:</b> <input type="password"/>	<b>Birthday:</b> 01/01/1980

## CEGO Secretary

**Email Address:** [CEGO.Secretary@gmail.com](mailto:CEGO.Secretary@gmail.com)

**Temporary Password:**

*Information used to set up the account*

<b>First Name:</b> CEGO	<b>Security Question:</b> <input type="password"/>
<b>Last Name:</b> Secretary	<b>Answer:</b> <input type="password"/>
<b>Login Name:</b> CEGO.Secretary	<b>Recovery email:</b> CEGO.LSU@gmail.com
<b>Password:</b> <input type="password"/>	<b>Birthday:</b> 01/01/1980

## CEGO Treasurer

**Email Address:** [CEGO.Treasurer@gmail.com](mailto:CEGO.Treasurer@gmail.com)

**Temporary Password:**

*Information used to set up the account*

<b>First Name:</b> CEGO	<b>Security Question:</b> <input type="password"/>
<b>Last Name:</b> Treasurer	<b>Answer:</b> <input type="password"/>
<b>Login Name:</b> CEGO.Treasurer	<b>Recovery email:</b> CEGO.LSU@gmail.com
<b>Password:</b> <input type="password"/>	<b>Birthday:</b> 01/01/1980

# CEGO's gmail & other Online Account Info

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## CEGO Captain Planet

Email Address: [CEGO.CaptainPlanet@gmail.com](mailto:CEGO.CaptainPlanet@gmail.com) Temporary Password:

*Information used to set up the account*

First Name: CEGO	Security Question: <input type="password"/>
Last Name: Captain Planet	Answer: <input type="password"/>
Login Name: CEGO.CaptainPlanet	Recovery email: CEGO.LSU@gmail.com
Password: <input type="password"/>	Birthday: 01/01/1980

## CEGO Education & Outreach

Email Address: [CEGO.EduOutreach@gmail.com](mailto:CEGO.EduOutreach@gmail.com) Temporary Password:

*Information used to set up the account*

First Name: CEGO	Security Question: <input type="password"/>
Last Name: Education & Outreach	Answer: <input type="password"/>
Login Name: CEGO.EduOutreach	Recovery email: CEGO.LSU@gmail.com
Password: <input type="password"/>	Birthday: 01/01/1980

## CEGO Food 4 Thought

Email Address: [CEGO.Food4Thought@gmail.com](mailto:CEGO.Food4Thought@gmail.com) Temporary Password:

*Information used to set up the account*

First Name: CEGO	Security Question: <input type="password"/>
Last Name: Food for Thought	Answer: <input type="password"/>
Login Name: CEGO.Food4Thought	Recovery email: CEGO.LSU@gmail.com
Password: <input type="password"/>	Birthday: 01/01/1980

## CEGO Seminar Committee

Email Address: [CEGO.Seminars@gmail.com](mailto:CEGO.Seminars@gmail.com) Temporary Password:

*Information used to set up the account*

First Name: CEGO	Security Question: <input type="password"/>
Last Name: Seminar Committee	Answer: <input type="password"/>
Login Name: CEGO.Seminars	Recovery email: CEGO.LSU@gmail.com
Password: <input type="password"/>	Birthday: 01/01/1980



# CEGO's gmail & other Online Account Info

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## CEGO Social Chair

**Email Address:** [CEGO.SocialChair@gmail.com](mailto:CEGO.SocialChair@gmail.com)      **Temporary Password:**

*Information used to set up the account*

<b>First Name:</b> CEGO	<b>Security Question:</b> <input type="password"/>
<b>Last Name:</b> Social Chair	<b>Answer:</b> <input type="password"/>
<b>Login Name:</b> CEGO.SocialChair	<b>Recovery email:</b> CEGO.LSU@gmail.com
<b>Password:</b> <input type="password"/>	<b>Birthday:</b> 01/01/1980

## CEGO WebMaster

**Email Address:** [CEGO.WebMaster@gmail.com](mailto:CEGO.WebMaster@gmail.com)      **Temporary Password:**

*Information used to set up the account*

<b>First Name:</b> CEGO	<b>Security Question:</b> <input type="password"/>
<b>Last Name:</b> WebMaster	<b>Answer:</b> <input type="password"/>
<b>Login Name:</b> CEGO.WebMaster	<b>Recovery email:</b> CEGO.LSU@gmail.com
<b>Password:</b> <input type="password"/>	<b>Birthday:</b> 01/01/1980

## GSS Committee

**Email Address:** [GSS.LSU@gmail.com](mailto:GSS.LSU@gmail.com)      **Temporary Password:**

*Information used to set up the account*

<b>First Name:</b> GSS	<b>Security Question:</b> <input type="password"/>
<b>Last Name:</b> LSU	<b>Answer:</b> <input type="password"/>
<b>Login Name:</b> GSS.LSU	<b>Recovery email:</b> CEGO.LSU@gmail.com
<b>Password:</b> <input type="password"/>	<b>Birthday:</b> 01/01/1980



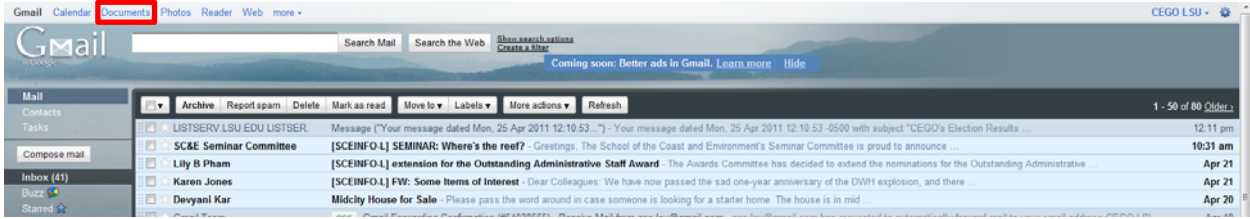
# **How to use Google Forms & other Survey Websites**

# Google Forms

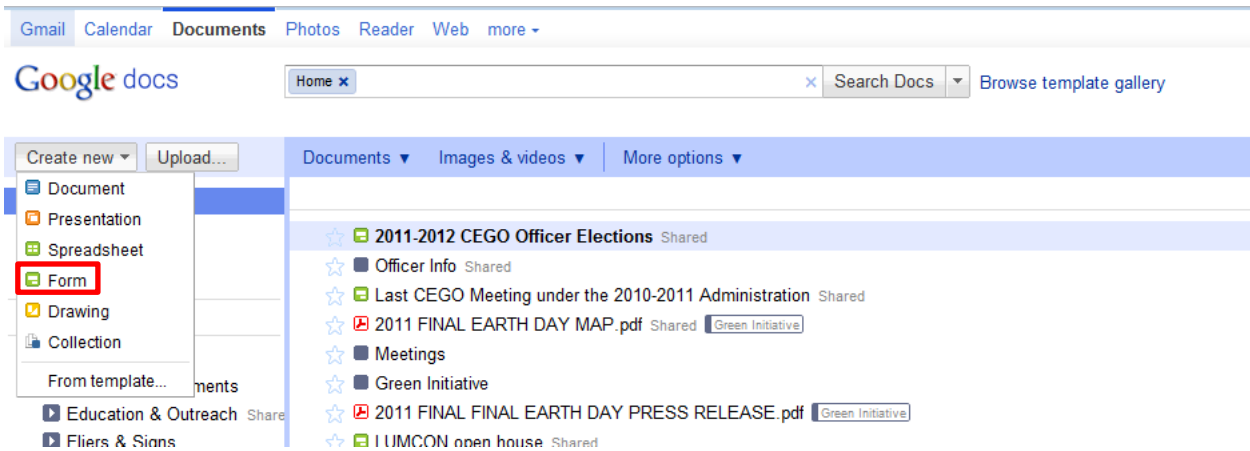
Most of the surveys we did were done using Google Forms, mainly because they're easy to create, easy to use, & the results are automatically put in a spreadsheet.

Here's how you get to Google forms...

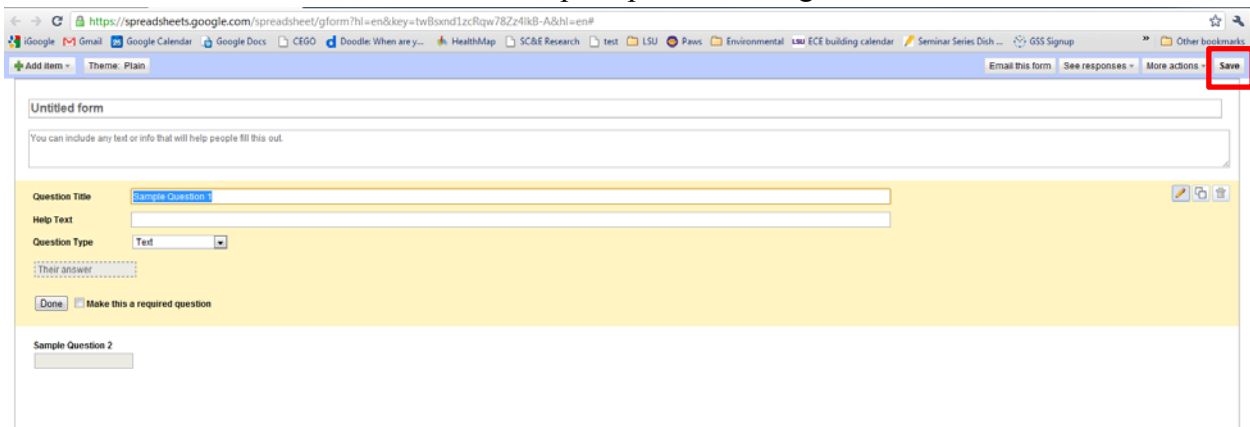
Log-in to one of the CEGO gmail accounts & click on Documents at the top of the screen



Then under "Create New" select "Form"



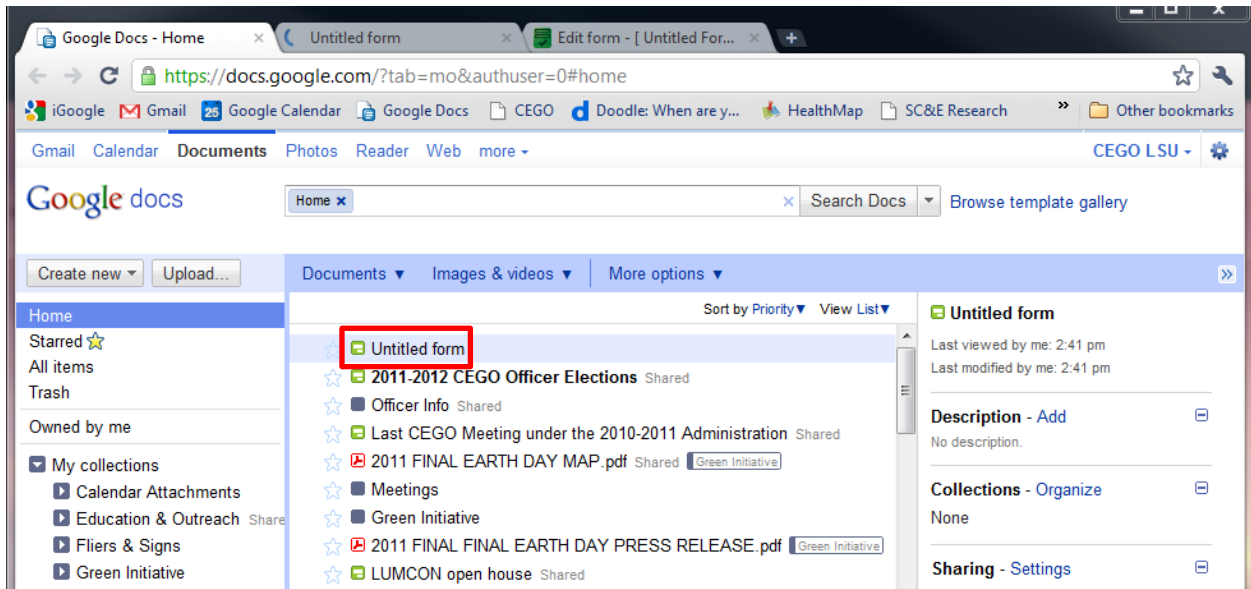
Then follow the prompts for making a form



Google automatically saves it as you go, but before you close the form you should probably click the save button on the upper right side just to be safe

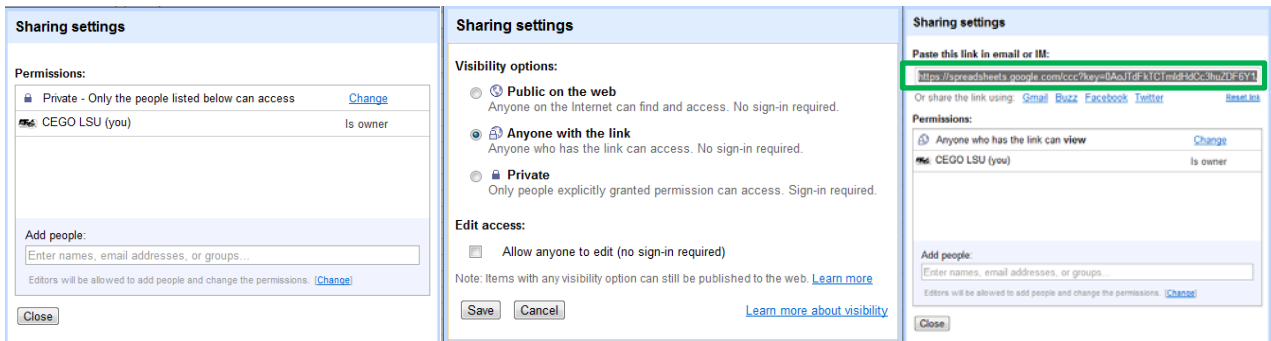
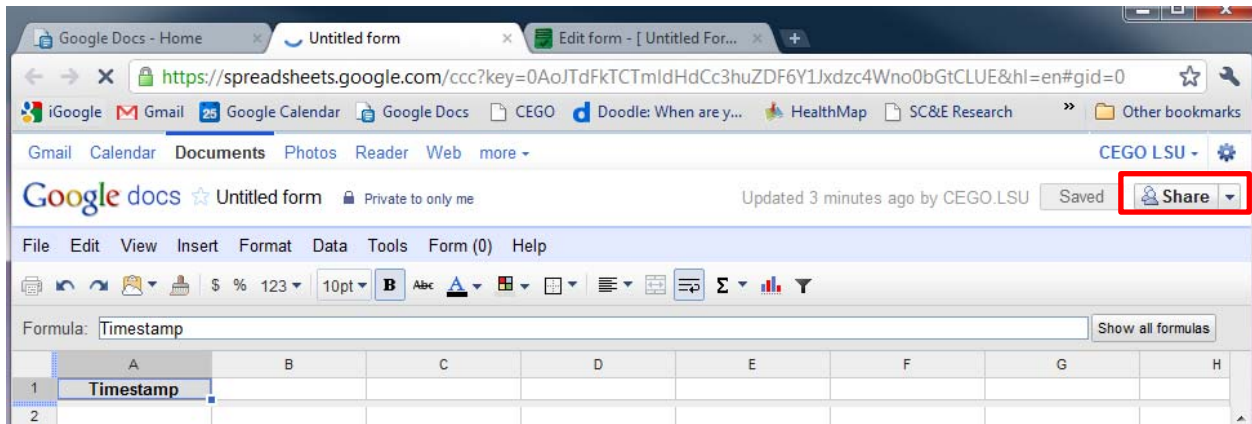
# Google Forms

Then in Google Documents, navigate to the name of the form you just created, click on it, & the spreadsheet connected to your form should appear



In order for other people to be able to use the form you created you must first change the privacy settings.

To do this click on “Share” on the top right side of the linked spreadsheet & select “Sharing Settings”

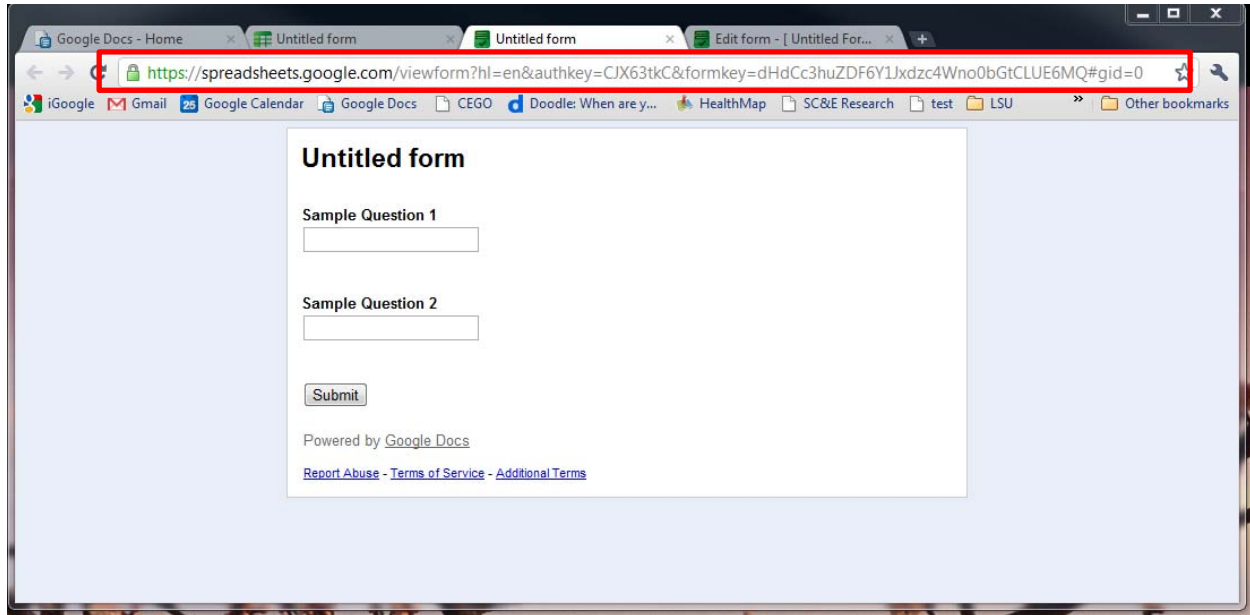


# Google Forms

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Note: when you are ready to send the form out for people to take Do NOT sent the link from the Sharing Settings window (highlighted by the **green** box on the previous page) as it is the link to the spreadsheet which will only confuse people.

Instead at the top of the spreadsheet click on the tab labeled **“Form”** and then click **“Go to Live Form”**



The website that appears in the navigation bar is the website that you should copy & paste into emails

If you see the option to “Email this Form” you can do this if you are only emailing it to a few select people, however, you cannot use this option to send the form to either the [SCEinfo-L@listserv.lsu.edu](mailto:SCEinfo-L@listserv.lsu.edu) or [SCEgr-L@listserv.lsu.edu](mailto:SCEgr-L@listserv.lsu.edu) because it will embed the form as an attachment which the listserves don’t permit. If you need to send the form to the list serves it’s best to do this by sending them the website highlighted above.

It’s also probably a good idea to do a test email first & send your planned email to your personal email address (or a friend’s email) & then click on the link from there to make sure it works before you send it out to everyone.

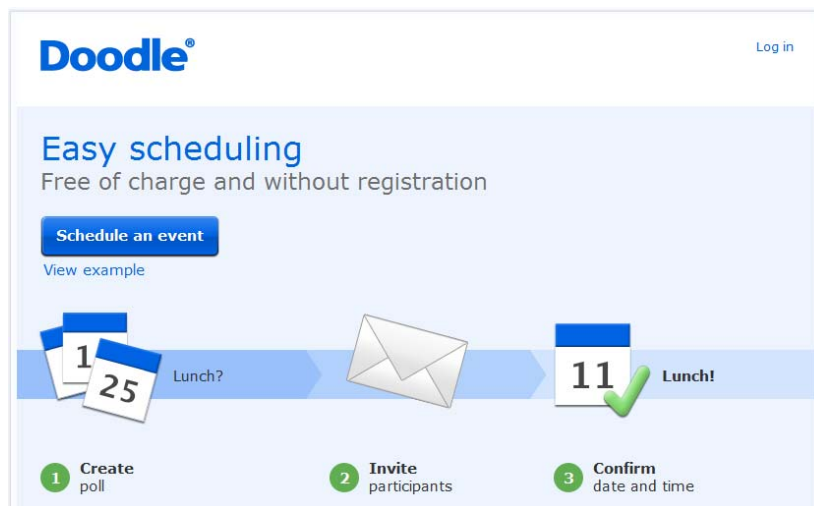
We generally used Google forms to do RSVPs, surveys, voting, etc. But there were a few times where we used a different free website instead of google forms because the design of that website worked better for the that specific circumstance, pages 4-6 will explain which websites we used & for what.

# Availability Polls

We've been using [Doodle.com](http://Doodle.com) to create polls to find out when the best time to meet would be

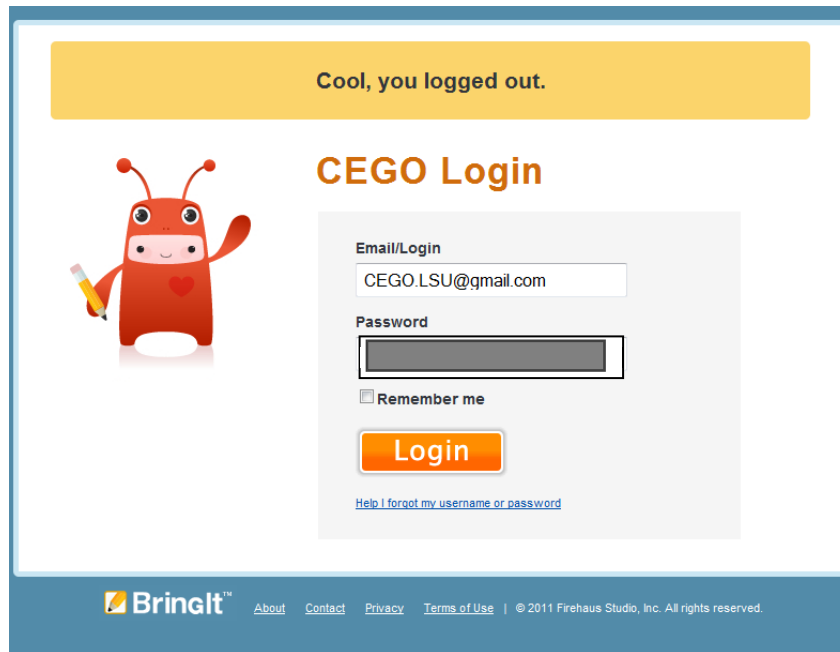
16 participants	MARCH 2011			Tue 29		APRIL 2011
	Mon 28	Tue 29	Wed 30	Tue 29	Wed 30	Mon 4
	11:00 AM - 12:00 PM	12:00 PM - 1:00 PM	1:00 PM - 2:00 PM	11:00 AM - 12:00 PM	12:00 PM - 1:00 PM	1:00 PM - 2:00 PM
Jenny Lentz (Pres)	✓	✓	✓	✓	✓	✓
Martin				✓	✓	
Ashby	✓	✓		✓	✓	
Emily	✓	✓	✓			✓
Chris				✓		
Christine VanZomei	✓	✓	✓			✓
Ben Branoff	✓	✓	✓			✓
Courtney Saari	✓			✓		✓
Andrew Tweel	✓			✓	✓	
Kelsey				✓	✓	
Kari Klotzbach				✓	✓	✓
Danie LaRock (VP)	✓	✓	✓			✓
Spence	✓	✓	✓	✓	✓	✓
Atticus Finger	✓	✓	✓	✓	✓	✓
Katie Bowers		✓	✓	✓	✓	✓
India						
Your name	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	11:00 AM - 12:00 PM	12:00 PM - 1:00 PM	1:00 PM - 2:00 PM	11:00 AM - 12:00 PM	12:00 PM - 1:00 PM	1:00 PM - 2:00 PM
	10	9	8	11	9	10

The one thing we did notice, is that for some reason when you Log in & then create a poll the website does crazy things...so even though CEGO has an account we never use it, instead we just go to the site and click the "Schedule an event" button & follow the prompts from there.



# CEGO's Dish Washing Signup Sheet

We used [PleaseBringIt.com](http://PleaseBringIt.com) because it was free and allowed people to see who had signed up for what and when (which you can't currently do with Google Forms).



The one snag we ran into with this site is that you can only have 1 sign-up sheet, if you want more than 1 sheet you have to pay... So we've just been editing & adding to the initial sign-up sheet we made last fall.

Link CEGO uses to sign-in & edit the sign-up sheet: <http://cego.pleasebringit.com/events/3420>

Link we send out to the students: [http://cego.pleasebringit.com/public/D1\\$CMIXSHzI](http://cego.pleasebringit.com/public/D1$CMIXSHzI)

SIGN UP SHEET FOR

## Seminar Series Dish Washing Signup Sheet

Date: [Add a date](#)

Notes: Hello Fellow CEGO Officers. If you have access to a dishwasher (or don't mind washing dishes by hand) We'd greatly appreciate if you would volunteer to wash the dishes from one of the seminar series lunches. Below is a list of the up-coming Seminars, check your schedules & sign-up for the day that works best for you. No need to sign-up for more than one at this time, We'll send another email around if we can't fill up all the days. Thanks! -Jenny

Friday, October 8th (Pizza)	Jenny	<a href="#">Remove</a>
Friday, October 15th (most likely Pizza)	Danie LaRock	<a href="#">Remove</a>
Friday, October 29th (possibly Canes, but if not most likely Pizza)	Jenny	<a href="#">Remove</a>

Share this Sheet

**Email**  
Copy and paste this code anywhere (an email, website, blog, etc...)  
`http://cego.pleasebringit.com/public/D1$CMIXSHzI`

**Facebook**  
[Share on Facebook](#)

# TimeToSignup.com

We also used [TimeToSignUp.com](http://TimeToSignUp.com) to create sign-up sheets for things like getting people to sign up to be on the GSS organizing committee, CEGO officer nominations, etc.

As with the PleaseBringIt.com site, this site also has a limit of 1 free sign-up sheet per email address, so here is the log-in & account info we used in case you'd like to edit & re-use these sheets

## CEGO Officer Nominations sign-up sheet

Website: <https://www.timetosignup.com/cegoelections/login.php>

Login Email Address: [CEGO.President@gmail.com](mailto:CEGO.President@gmail.com)

Login Password:

TimeToSignup.com: [CEGO President's Sign Up Sheets & Forms](#) CEGO Officer Nominations for 2011-2012

CEGO Officer Nominations for 2011-2012

Sign Up Sheet created by CEGO President

To Nominate people for the following CEGO Officer positions check the box by "Sign Up" and then fill in the first & Last name of the person you're nominating. Feel free to nominate yourself as well. The number in parentheses beside each of the positions indicates the number of people needed to fill this position.

Before we voting begins we will contact each of the nominees to verify that they are ok being nominated, and if they are not ok their name will be removed from the list before voting begins (so if you see that someone has nominated you for a position that you aren't willing to accept, please don't email us, we'll contact you)

Also this survey is just to get a list of Nominees, so there is no reason to nominate someone more than once for the same position.

Descriptions of the officer positions can be found here: [http://www.sce.lsu.edu/cego/Documents/Meeting\\_Minutes/CEGO\\_2011-2012\\_Officer\\_Nominations.pdf](http://www.sce.lsu.edu/cego/Documents/Meeting_Minutes/CEGO_2011-2012_Officer_Nominations.pdf)

President (1)	Vice President (1)	Secretary (1)	Treasurer (1)	Education & Outreach Officers (2-3)	Seminar Committee (3)	Food 4 Thought (1)	Social Chair (1)	WebMaster (1)	Captain Planet (1)
Crawford White	Giovanna McClenachan	Brianne Norris	Kari Klotzbach	Spence Colwell	Emily Smith	Giovanna McClenachan	Emily Smith	Spence Colwell	Eric Roy
Andrew Tweel	Vanessa Molina	Ashley Melancon	Emily Smith	Narendra Paramanand	Ben Branoff	<input type="checkbox"/> sign up	Ben Branoff	Ben Branoff	Narendra Paramanand
Ben Branoff	Greg Olson	Tom Bianchette	Tom Bianchette	Emily Smith	Brittany Schwartzkopf	<input type="checkbox"/> sign up	Eric Roy	Andrew Tweel	Kelsey Clinton

## GSS Planning Committee

Website: <https://www.timetosignup.com/gss2011/login.php>

Login Email Address: [GSS.lsu@gmail.com](mailto:GSS.lsu@gmail.com)

Login Password:

TimeToSignup.com: [GSS 2011's Sign Up Sheets & Forms](#) Please Sign up to be on the GSS (2011) Planning Committee

Please Sign up to be on the GSS (2011) Planning Committee

Sign Up Sheet created by GSS 2011

Fundraising (2-3+ people needed)	Facility Arrangements (1 person needed)	Food & Drink Arrangements (1 person needed)	Buy/Find Materials to Handout (1-2 people needed)	Speakers & Judges (1 person needed)	Announcements, Registration, Website, etc (1-2)
Donor-related Danielle LaRock	Facility Arrangements Atticus Finger	Food & Drink Brian Milan	Abstract Books & Schedule Spence Colwell	Find Judges <input type="checkbox"/> sign up	Send Announcements Ashby Nix
Raffle-related All Officers		Food & Drink - budget Atticus Finger	CSS T-Shirts Emily Smith	Key Note Speaker <input type="checkbox"/> sign up	Handle Registration Ashby Nix
Merchandise Sales - related Ashby Nix		Food & Drink - related Philip Rickenberg	other giveaways / handouts Ashby Nix		Update & Maintain Website Jenny Lentz
general fundraising Gregory Olson		Food & Drink - related Lairy ?			
general fundraising <input type="checkbox"/> sign up					



# **Connecting to CEGO's folder on the SC&E Server**

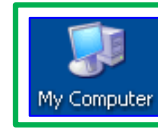
(on & off campus)

# Connecting to CEGO's folder on the SC&E Server

To make changes to the website itself you must have administrative access to the website, which means contacting **Roberto Wong** ([evwong@lsu.edu](mailto:evwong@lsu.edu), ECE # 1267) & having him give your paws id access to CEGO's folder on SCE Server3.

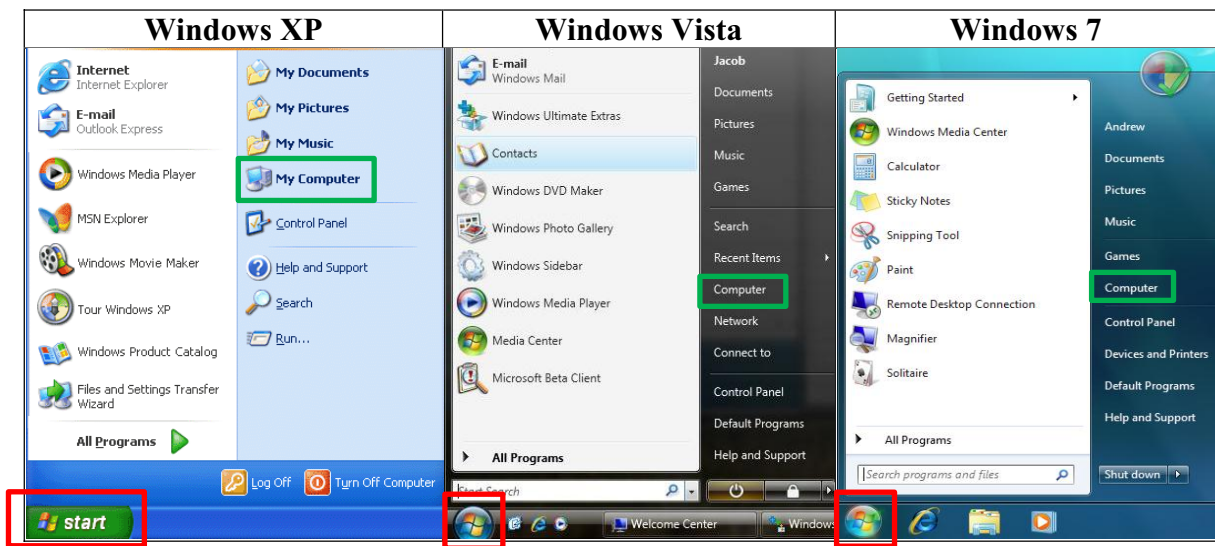
Once Roberto has given your paws ID access to the **CEGO folder** on **Server3** do the following:

1. Double click on the **"My Computer"** icon on your desktop

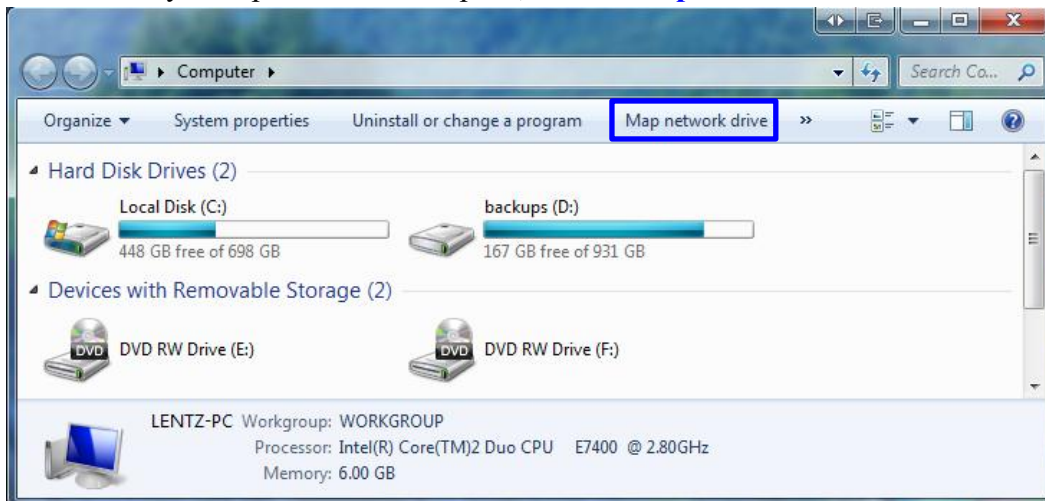


or

If you don't have this icon on your desktop go to the **Start Menu** on your computer & select **"My Computer"** or **"Computer."** The start menu is usually located in the bottom left corner of the screen & depending on which version of the Windows operating system you have may look like any on the following

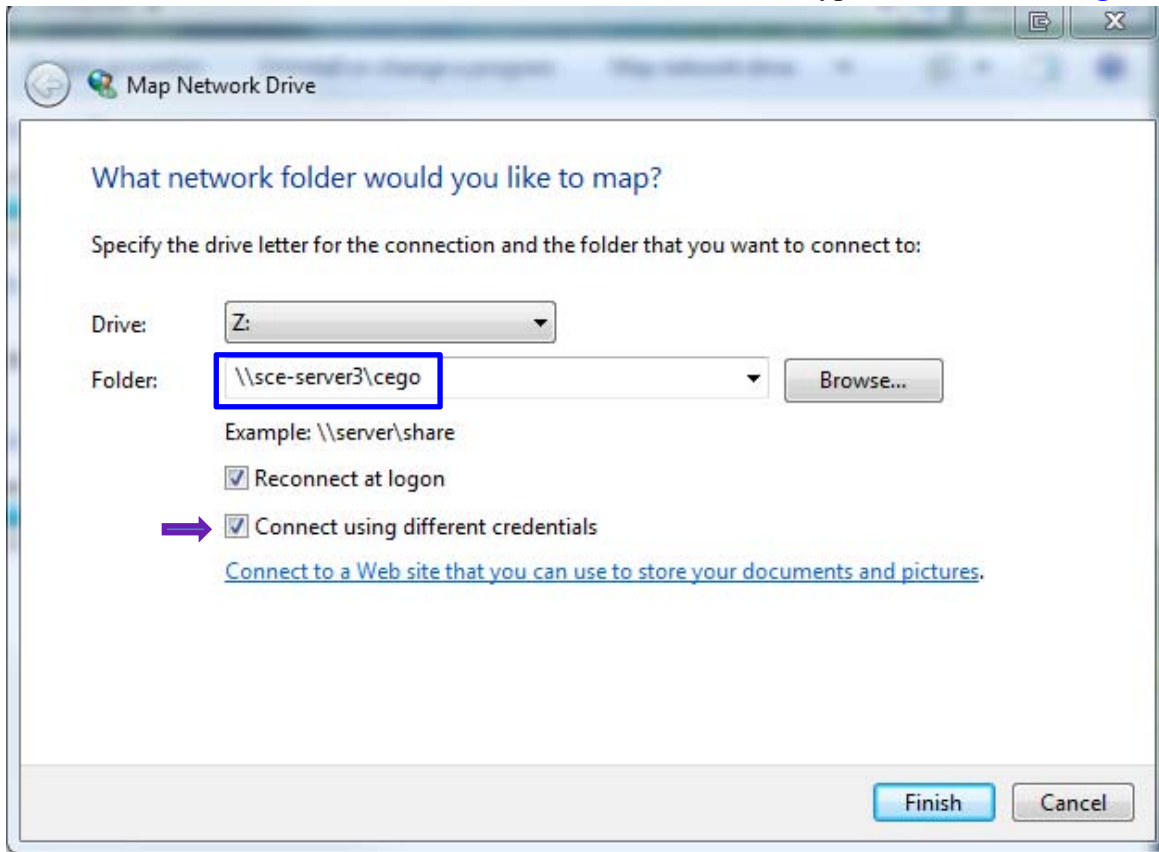


2. When the My Computer Window opens, select **"Map network drive"**



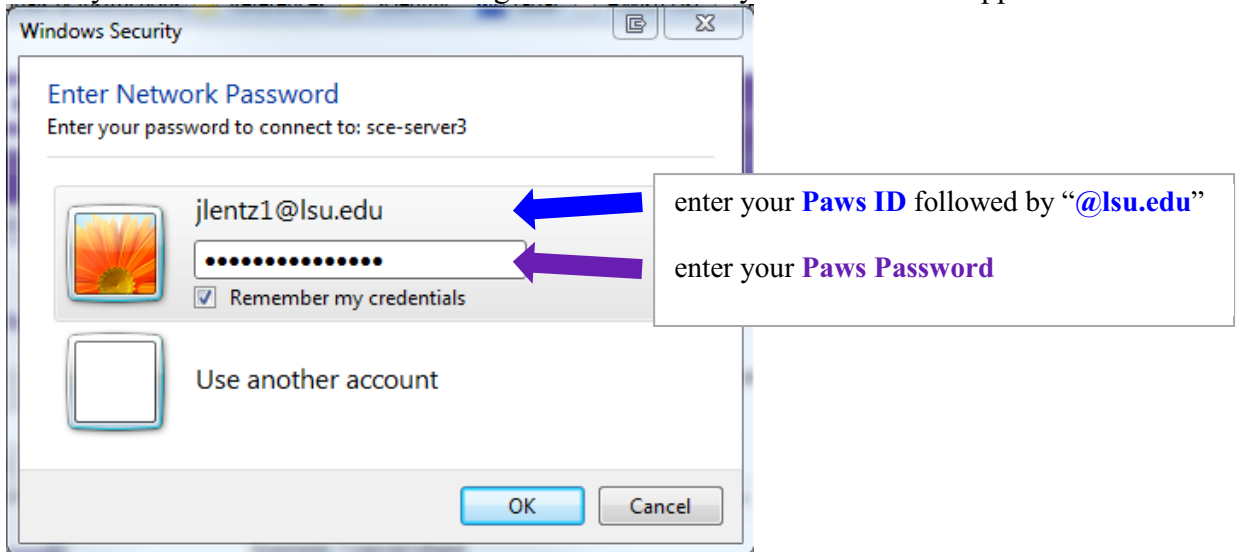
## Connecting to CEGO's folder on the SC&E Server

- Pick a drive letter to refer to CEGO's folder on the network & type "\\sce-server3\cego"



If your computer is NOT currently on the network or you DON'T log in to the computer using your LSU paws ID & password, then check "**Connect using different credentials**"

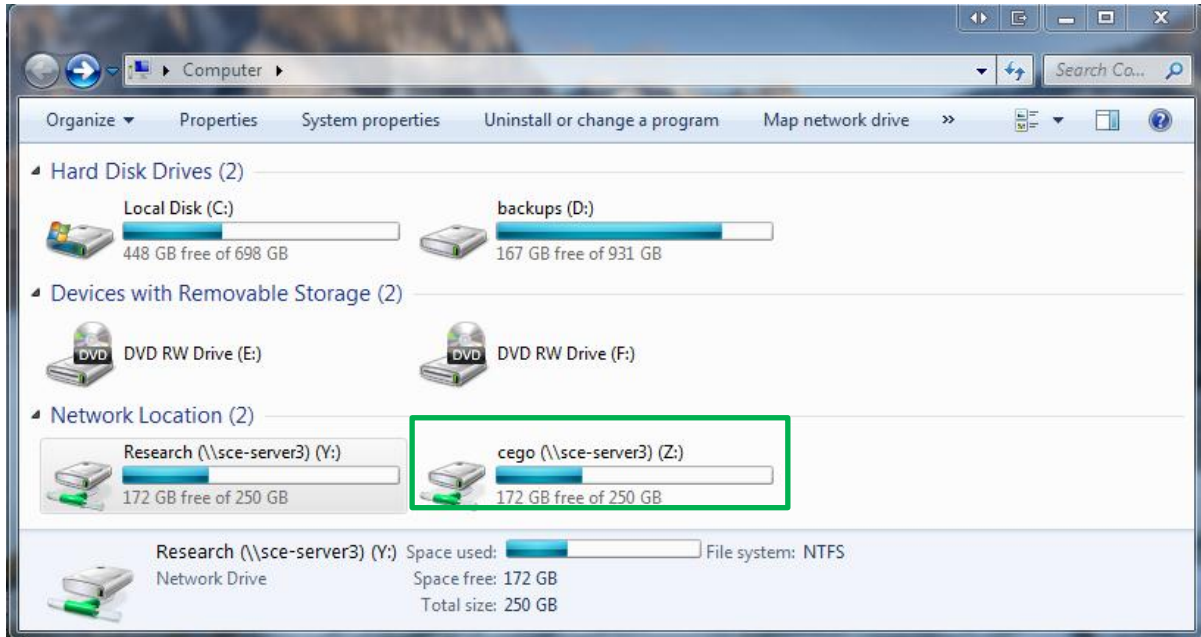
When you click "**Finish**" the following Windows Security window should appear



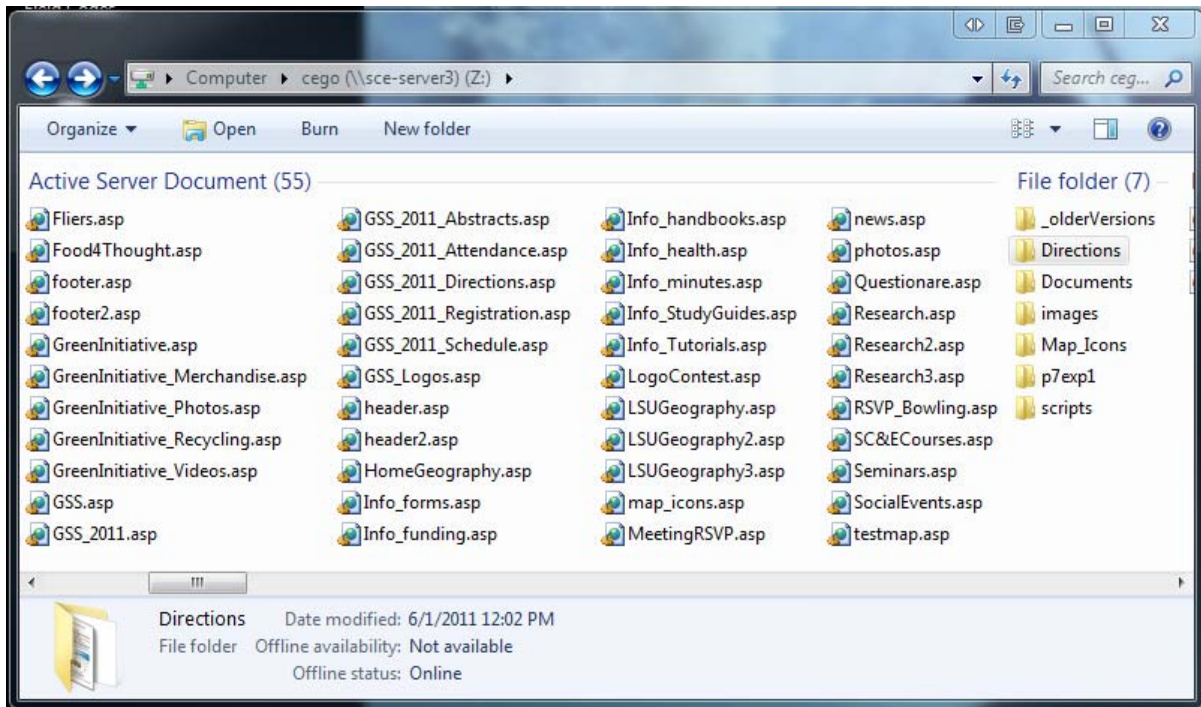
click "**Remember my credentials**" then click "**OK**"

## Connecting to CEGO's folder on the SC&E Server

4. **CEGO's folder** should now appear under “Network Location” in your “My Computer” window



5. Double click on CEGO's folder



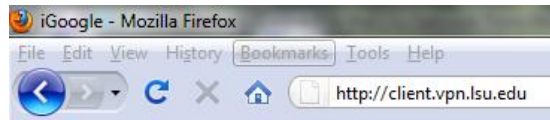
**Anything put in this folder can be accessed online**

For example the pdf of this instructions document is located in the “**Directions**” folder & can be accessed online by going to:

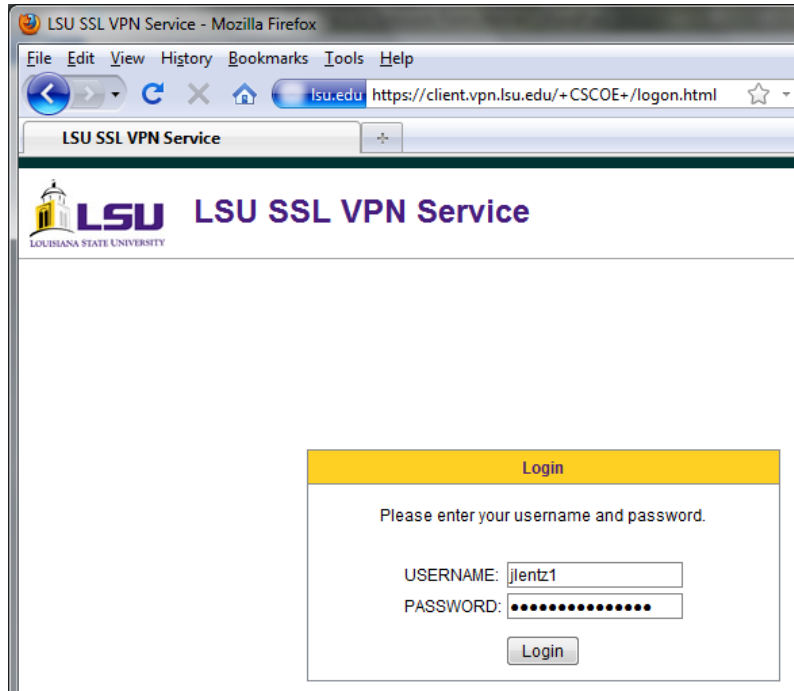
[http://www.sce.lsu.edu/cego/Directions/CEGO\\_WebMaster\\_Tutorial.pdf](http://www.sce.lsu.edu/cego/Directions/CEGO_WebMaster_Tutorial.pdf)

# Connecting to the LSU Network from Home

2) open an internet browser & go to <http://client.vpn.lsu.edu>



3) enter your LSU Paws ID & Paws Password, then click Login



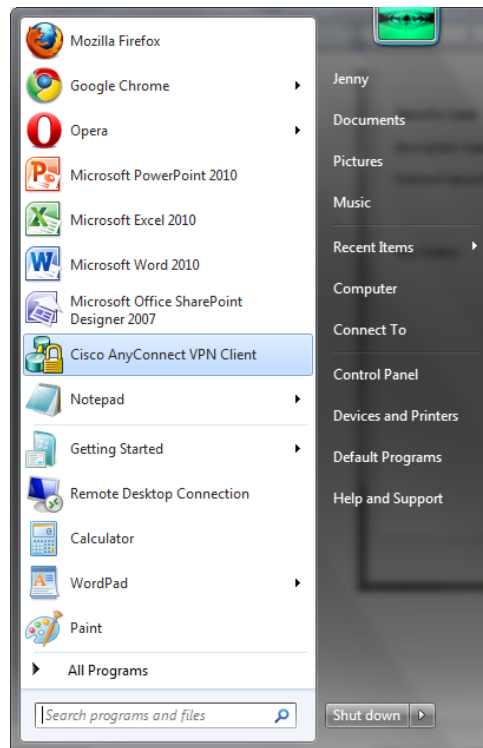
4) follow prompts & install the software

if you have problems with the automatic installation, then manually install the software by clicking the **Windows 7/Vista/64/XP** link, download & install the software

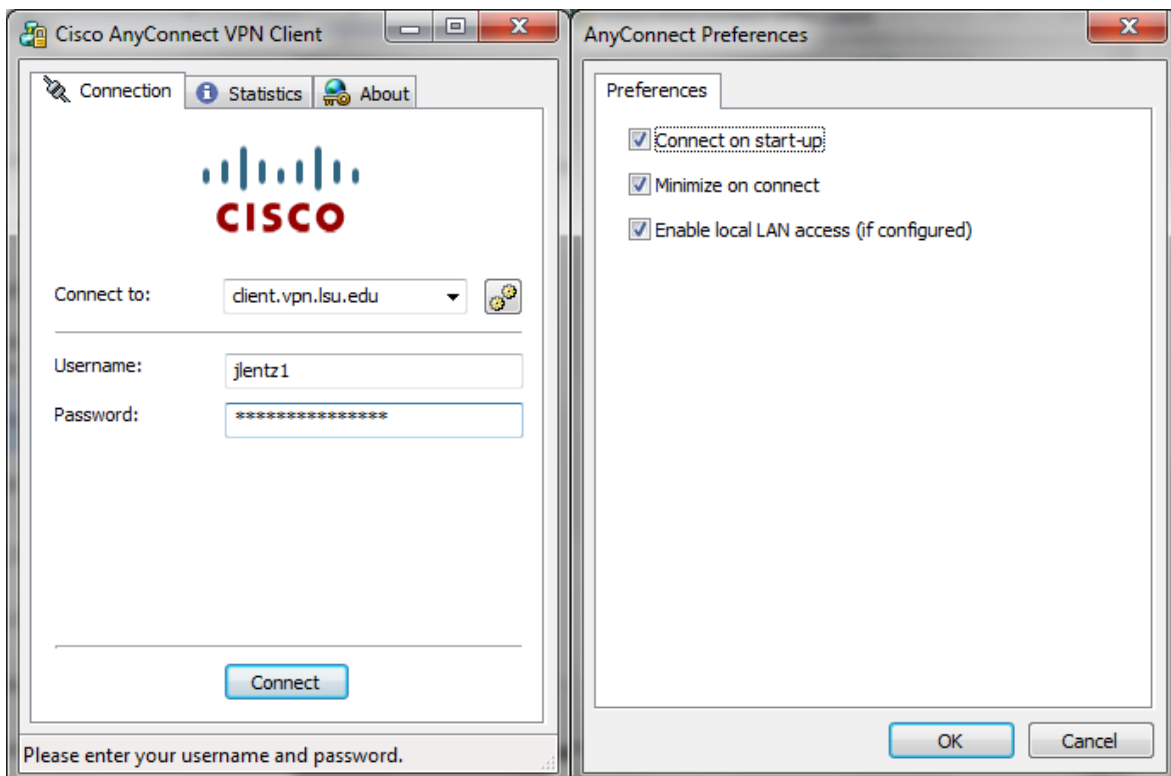


## Connecting to the LSU Network from Home

- 5) Once you've installed the Cisco AnyConnect VPN Client software, any time you need to connect to the LSU network just navigate to the **Cisco AnyConnect VPN Client** program, & Double Click



- 6) Then enter in your Paws ID & Paws password & click connect





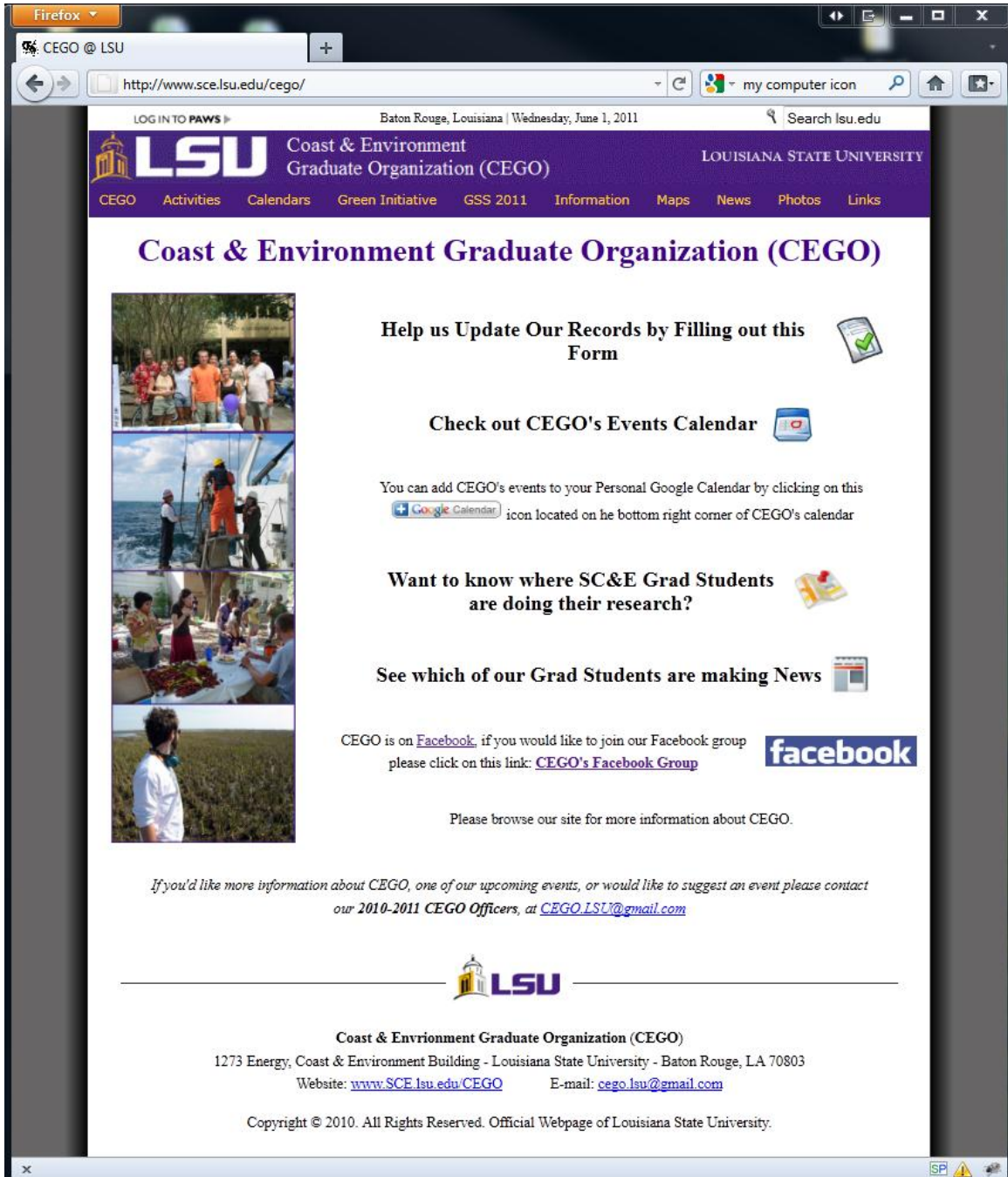
**Understanding the Design  
of CEGO's Website  
&  
Introduction to Web Design**



# Understanding CEGO's Website

CEGO's Web address: <http://www.sce.lsu.edu/cego/>

or <http://www.sce.lsu.edu/cego/default.asp>



The screenshot shows a Firefox browser window displaying the CEGO website. The browser's address bar shows the URL <http://www.sce.lsu.edu/cego/>. The website header includes the LSU logo, the text "Coast & Environment Graduate Organization (CEGO)", and "LOUISIANA STATE UNIVERSITY". A navigation menu contains links for CEGO, Activities, Calendars, Green Initiative, GSS 2011, Information, Maps, News, Photos, and Links. The main content area features a vertical stack of four photographs on the left: a group of people outdoors, a person on a boat, a group of people at a table, and a person in a field. To the right of the photos are several promotional sections: "Help us Update Our Records by Filling out this Form" with a form icon; "Check out CEGO's Events Calendar" with a calendar icon and a note about adding events to a Google Calendar; "Want to know where SC&E Grad Students are doing their research?" with a map icon; and "See which of our Grad Students are making News" with a news icon. Below these is a Facebook link: "CEGO is on Facebook, if you would like to join our Facebook group please click on this link: [CEGO's Facebook Group](#)". At the bottom, there is contact information for CEGO officers and the website's copyright notice.

Because of how the SC&E website (<http://www.sce.lsu.edu/>) is setup you MUST type the “**www**” in order to get to CEGO’s page, or any page that starts with “**sce.lsu.edu**”

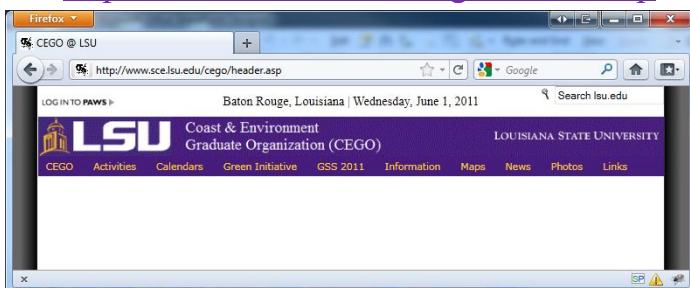
# Understanding CEGO's Website

The page you see below is created by a file named “default.asp” which is made up of the following ASP files

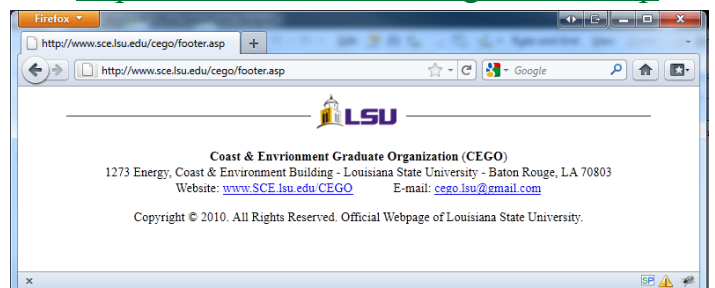
The screenshot shows a Firefox browser window displaying the CEGO website at <http://www.sce.lsu.edu/cego/>. The page is titled "Coast & Environment Graduate Organization (CEGO)" and features a navigation menu with links for CEGO, Activities, Calendars, Green Initiative, GSS 2011, Information, Maps, News, Photos, and Links. The main content area includes a call to action to update records, a link to the events calendar, information about adding events to a personal Google Calendar, a link to find SC&E grad students, and a link to see which grad students are making news. A Facebook link is also present. The footer contains contact information for the CEGO, including the address, website, and email, along with a copyright notice for 2010. Three callouts with arrows point to specific parts of the page: a purple arrow points to the header, a green arrow points to the footer, and a blue arrow points to the main content area. A label "default.asp" is positioned to the left of the browser window, and labels "header.asp" and "footer.asp" are positioned to the right.

Note: each of the ASP files listed above can also be displayed as its own webpage. To test this try viewing either the [header.asp](#) or [footer.asp](#) files on their own online

<http://www.sce.lsu.edu/cego/header.asp>



<http://www.sce.lsu.edu/cego/footer.asp>



# Microsoft SharePoint Designer 2007

To better understand how the website works it helps to understand the code that makes it work.

While there are many programs that can be used to make web files, the program this tutorial uses is **Microsoft Office SharePoint Designer 2007**

If you have Microsoft Office 2007 on your computer you may already have this program installed, but you may not since SharePoint is not always installed with Microsoft Office.

The good news is SharePoint Designer 2007 can be downloaded for FREE from LSU's TigerWare

1. To do this login to your **LSU Paws Account** (there's a PAWS link in the upper left corner of CEGO's webpage)
2. Click on "**TigerWare**" on the upper left side of the Paws menu bar
3. When the TigerWare window opens up, click on "**Web & Software Development**" located on the bottom left side
4. Then click on the **Microsoft SharePoint Designer 2007** link & download the program file

The screenshot shows the LSU TigerWare website interface. At the top, there is a navigation bar with 'LOG IN TO PAWS' and 'CEGO' links. Below this is the 'Coast & Environment Graduate Organization (CEGO)' header. The main content area is titled 'Microsoft SharePoint Designer 2007' and contains a table with the following information:

<b>Description</b>	SharePoint Designer 2007(formerly Frontpage) provides you with tools to automate your business processes, build efficient applications on top of the Microsoft SharePoint platform, and tailor your SharePoint site to your needs... all in an IT-managed environment. <a href="#">FIS/ST more...</a>
<b>Availability</b>	This software is available under Louisiana State University's license agreement with <a href="#">Microsoft Campus</a> .
<b>Publisher</b>	<a href="#">Microsoft</a>
<b>Requirements</b>	Windows Vista Enterprise or Windows XP.
<b>Installation Notes</b>	Click <a href="#">here</a> for printable guides to use for assistance with this Microsoft program.
<b>Available On CD</b>	No
<b>Available For Download</b>	License code: VBR6K-HRWJ-FYFTH-WGB7M-WMVD8 <b>Multiple File Download</b> <a href="#">Download</a> sharepointdesigner2007.exe (206 MB)

On the right side of the page, there is a 'Jenny's Desktop' menu with various links including 'Mail', 'TigerBytes II', 'TigerWare', 'LOG OUT', 'Expand All | Collapse All', 'Personal Preferences', 'Directory Information', 'Campus Community', 'Computing Services', 'Employee Resources', 'Library Resources', 'Financial Services', 'Planning Resources', 'Registration Services', 'Student Services', 'Site Map', 'Help', 'News', 'Feedback', and 'LSU Home'. The date and time '06/01/2011 02:07:39 PM' are displayed at the bottom right.

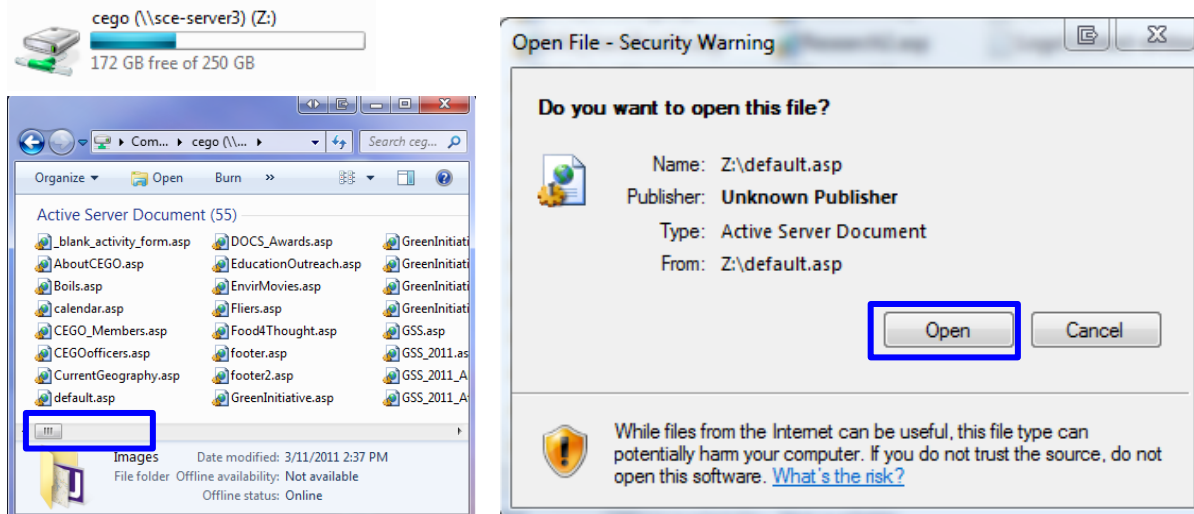
If you're currently using Microsoft Office 2010, not to worry, you can still install SharePoint 2007.

There is also a 2010 version of SharePoint, but the interface is harder to understand, so I recommend sticking with the 2007 version.

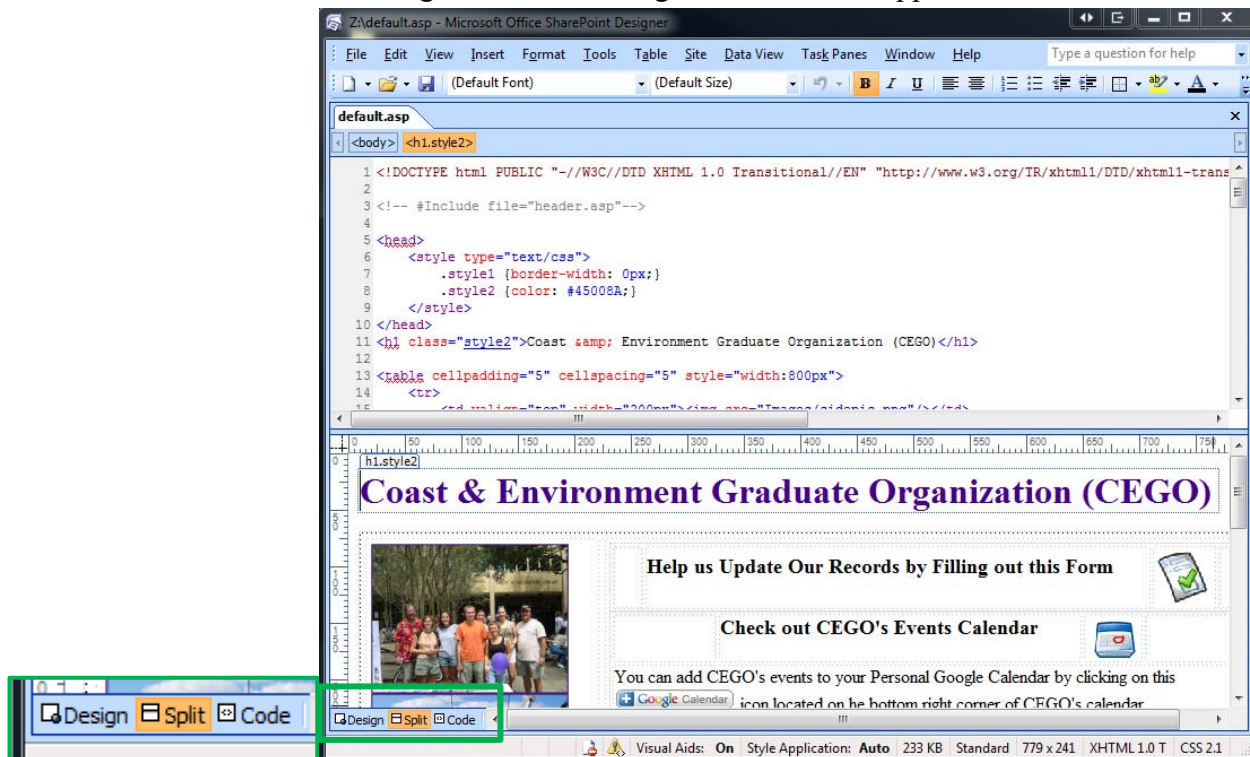


## Understanding CEGO's Website (continued...)

To begin double click on CEGO's folder on the server from your My Computer Window, then double click on the ASP file named **default.asp**, if a security window pops up click **Open**



Something like the following window should appear:



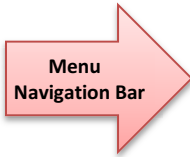
To avoid messy code, & more importantly glitches it's best to make changes to the website by changing the code directly and not letting Microsoft decide what code to use (which is what happens when you highlight stuff in the "Design View" & use the formatting buttons at the top of the screen to change their appearance). For this reason it's best to rely primarily on the **Code View** & just use the **Design** or **Split Views** for navigation purposes.

The following pages show the code in the default.asp page & explain what it does

# default.asp

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<head>
  <style type="text/css">
    .style1 {border-width: 0px;}
    .style2 {color: #45008A;}
  </style>
</head>
<body>
<!-- #Include file="header.asp"-->
  <h1 class="style2">Coast &amp; Environment Graduate Organization (CEGO)</h1>
  <table cellpadding="5" cellspacing="5" style="width:800px">
    <tr>
      <td valign="top" width="200px"></td>
      <td valign="top" width="600px">
        <table style="width: 100%">
          <tr>
            <td width="25px"></td>
            <td><h3>Help us Update Our Records by Filling out this Form </h3></td>
            <td align="left"><p><a href="http://www.sce.lsu.edu/cego/Questionare.asp" target="_blank">
              </a></p></td>
            <td width="25px"></td>
          </tr>
        </table>
        <table style="width: 100%">
          <tr>
            <td width="100"></td>
            <td width="350"><h3>Check out CEGO&#39;s Events Calendar </h3></td>
            <td width="50" align="left"><a href="http://www.sce.lsu.edu/cego/calendar.asp" target="_blank">
              </a></td>
            <td width="100"></td>
          </tr>
          <tr>
            <td colspan="4"><p>You can add CEGO&#39;s events to your Personal Google Calendar by clicking on this <br>
              
              icon located on the bottom right corner of CEGO&#39;s calendar</p></td>
          </tr>
        </table>
        <table style="width: 100%">
          <tr>
            <td width="50px"></td>
            <td width="425px" valign="top"><h3>Want to know where SC&E Grad Students are doing their research?</h3></td>
            <td width="75px" align="left">
              <a href="http://www.sce.lsu.edu/cego/LSUGeography.asp" target="_blank">
                </a></td>
            <td width="50px"></td>
          </tr>
        </table>
        <table style="width: 100%">
          <tr>
            <td width="40px"></td>
            <td><h3>See which of our Grad Students are making News</h3></td>
            <td align="left">
              <a href="http://www.sce.lsu.edu/cego/news.asp" target="_blank">
                </a></td>
            <td width="40px"></td>
          </tr>
        </table>
        <table style="width: 100%">
          <tr>
            <td><p>CEGO is on
              <a href="http://www.facebook.com/" target="_blank">Facebook</a>, if you would like to join our Facebook group please click on this link:
              <a href="http://www.facebook.com/home.php?#/group.php?gid=18036159400" target="_blank"><strong>CEGO's Facebook Group</strong></a></p>
              <td><a href="http://www.facebook.com/home.php?#/group.php?gid=18036159400" target="_blank">
                </a></td>
            </tr>
        </table>
        <p>Please browse our site for more information about CEGO.</p>
      </td>
    </tr>
  </table>
  <table style="width: 100%">
    <tr>
      <td style="width: 50px"></td>
      <td><p><em>If you'd like more information about CEGO, one of our upcoming events, or would like to suggest an event please contact our</em>
        <em><strong>2010-2011 <span class="style1">CEGO Officers</span></strong>, at <a href="mailto:CEGO.LSU@gmail.com">
          <span class="style1">CEGO.LSU@gmail.com</span></a></em></p></td>
      <td style="width: 50px"></td>
    </tr>
  </table>
<!-- #Include file="footer.asp"-->
</body>
```

# Menu/Navigation Bar



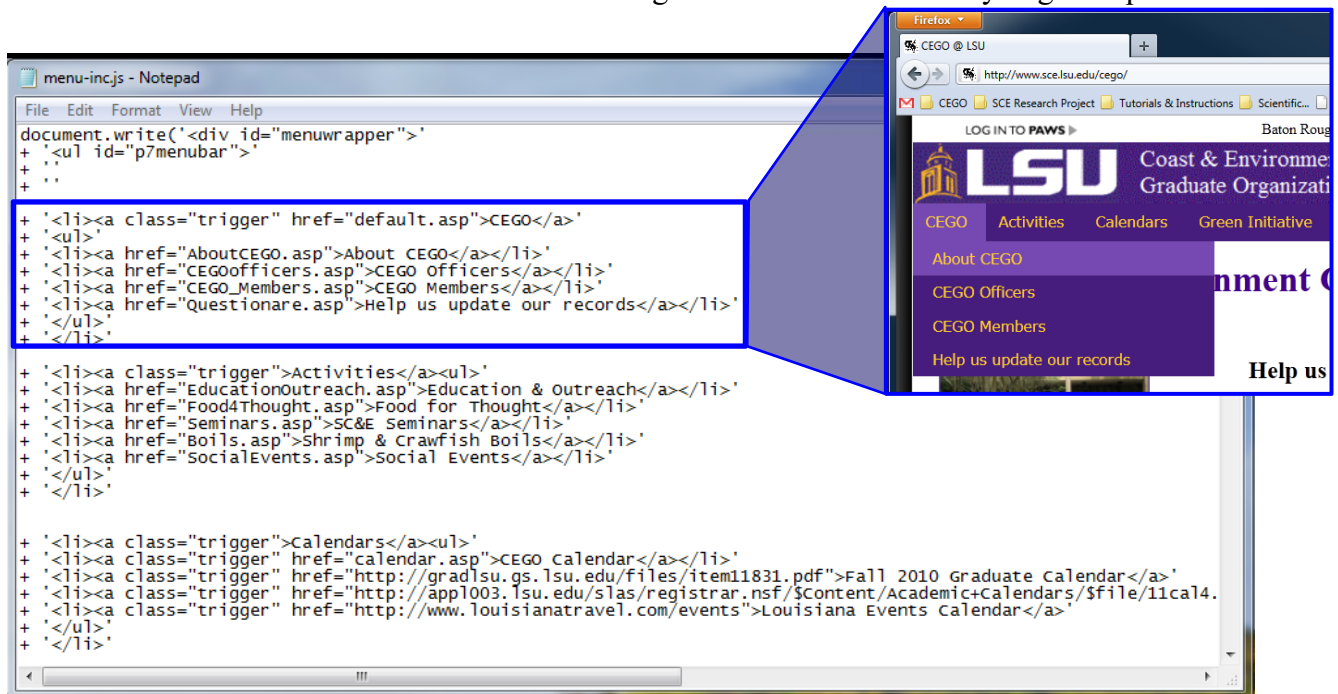
The link to CEGO's menu/Navigation bar is located in the code for the header (*header.asp*)

```
<SCRIPT LANGUAGE="JavaScript" type="text/javascript" src="p7exp1/menu-Inc.js"></SCRIPT>
```

However, in order to make changes to the Menu/Navigation bar you don't need to open the *header.asp* file, or even use the SharePoint program.

Instead open CEGO's folder on the server, & then open the folder named "p7exp1," right-click on the file named "menu-Inc.js" and click "Open with..." and select "Notepad"

This is the code that makes CEGO's menu/navigation bar work & where you go to update it.



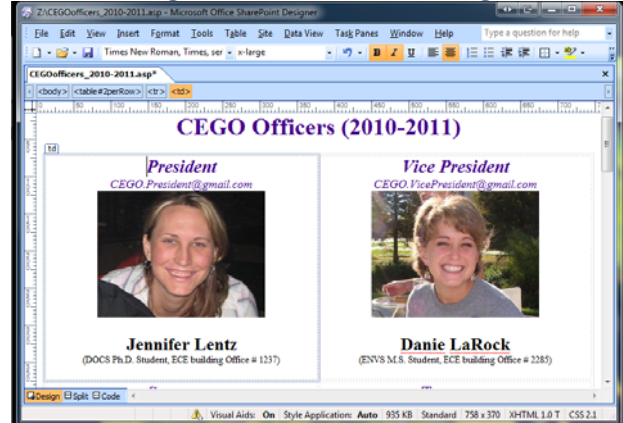
# CEGO Officer Page

[http://www.sce.lsu.edu/cego/CEGOOfficers\\_2010-2011.asp](http://www.sce.lsu.edu/cego/CEGOOfficers_2010-2011.asp)

What the Page looks like Online



"Design" View in SharePoint Designer



## Here's some of the code that creates this page

(this code should be changed/updated using either the "Split" or "Code" View in SharePoint Designer)

```

<!-- #Include file="header.asp"-->
<head>
<style type="text/css">
    .PageTitle    {color:#45008A; text-align:center; font-family: "Times New Roman", Times, serif ; font-size:xx-large; font-weight:bold; }
    #2perRow td  {width:50%; text-align:center; font-family: "Times New Roman", Times, serif ; }
    #3perRow td  { width:33.3%; text-align:center; font-family: "Times New Roman", Times, serif ; font-size:xx-large; font-weight:bold; }
    .OfficerTitle {color: #45008A; text-align:center; font-size:x-large; font-weight:bold; font-style:normal;}
    .OfficerEmail {color: #45008A; text-align:center; font-size:medium; font-weight:normal; font-style:italic; text-decoration:none;}
    .OfficerName  {color: #000000; text-align:center; font-size:x-large; font-weight:bold; font-style:normal;}
    .OfficerInfo  {color: #000000; text-align:center; font-size:small; font-weight:normal; font-style:normal;}
    .OfficerPicture {width:225; height:170; }
</style>
</head>
<h1 class="PageTitle"> CEGO Officers (2010-2011)</h1>
<table width="100%" id="2perRow">
<tr>
<!-- CEGO President-->
<td>
<span class="OfficerTitle">President</span>
<br>
<span><a href="mailto:CEGO.President@gmail.com" class="OfficerEmail">CEGO.President@gmail.com</a></span>
<br>

<br>
<h2 class="OfficerName">Jennifer Lentz
<span class="OfficerInfo"><br>(DOCS Ph.D. Student, ECE building Office # 1237)</span>
</h2>
</td>
<!-- CEGO Vice President-->
<td>
<span class="OfficerTitle">Vice President</span>
<br>
<span><a href="mailto:CEGO.VicePresident@gmail.com" class="OfficerEmail">CEGO.VicePresident@gmail.com</a></span>
<br>

<br>
<h2 class="OfficerName">Danie LaRock
<span class="OfficerInfo"><br>(ENVS M.S. Student, ECE building Office # 2285)</span>
</h2>
</td>

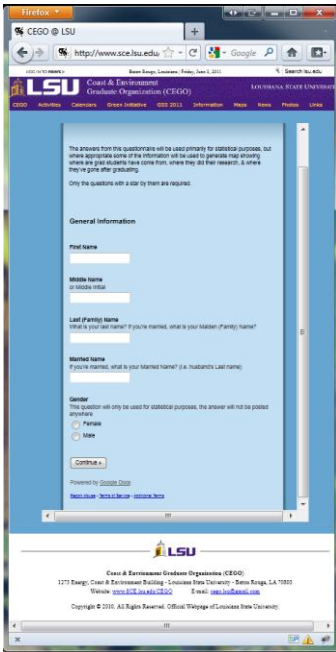
```



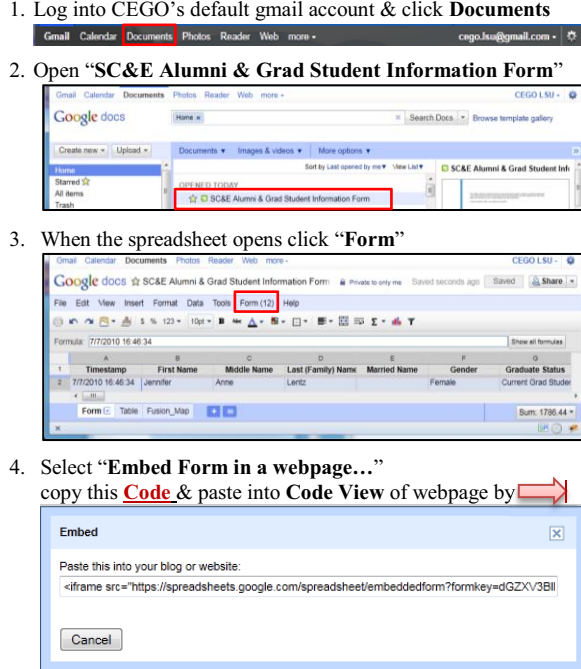
# Imbedding Google Forms in Webpages

<http://www.sce.lsu.edu/cego/Questionare.asp>

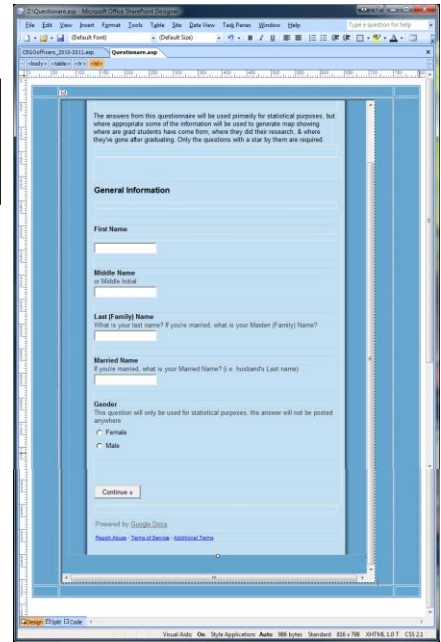
What the Page looks like Online



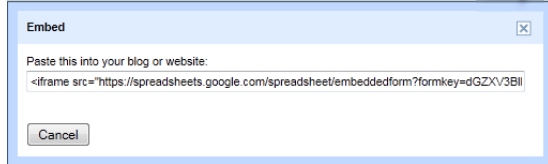
What the Page looks like in Google



“Design” View in SharePoint Designer



1. Log into CEGO’s default gmail account & click **Documents**
2. Open **“SC&E Alumni & Grad Student Information Form”**
3. When the spreadsheet opens click **“Form”**
4. Select **“Embed Form in a webpage...”** copy this **Code** & paste into **Code View** of webpage by



**Here’s the code that creates this page**

(this code should be changed/updated using either the “Split” or “Code” View in SharePoint Designer)

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  </head>
  <!-- #Include file="header.asp"-->
  <body>
    <table width="100%" bgcolor="#65A5CF">
      <tr>
        <td width="50px">&nbsp;</td>
        <td width="auto">&nbsp;</td>
        <td width="50px">&nbsp;</td>
      </tr>
      <tr>
        <td width="50px">&nbsp;</td>
        <td width="auto">
          <iframe src="https://spreadsheets0.google.com/embeddedform?formkey=dGZXV3BINHISSHo4ZVRBVmVIUkxrOUE6MQ"
            width="640" height="960" frameborder="0" marginheight="0" marginwidth="0" Loading...
          </iframe>
        </td>
        <td width="50px">&nbsp;</td>
      </tr>
      <tr>
        <td width="50px">&nbsp;</td>
        <td width="auto">&nbsp;</td>
        <td width="50px">&nbsp;</td>
      </tr>
    </table>
  </body>
  <!-- #Include file="footer.asp"-->
</html>
```



# Imbedding a Google Calendar in a Webpage


<http://www.sce.lsu.edu/cego/calendar.asp>

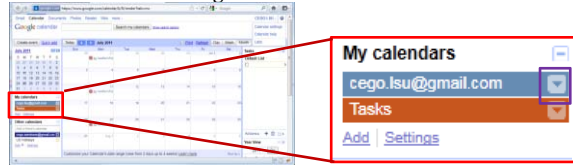
What the Page looks like **Online**




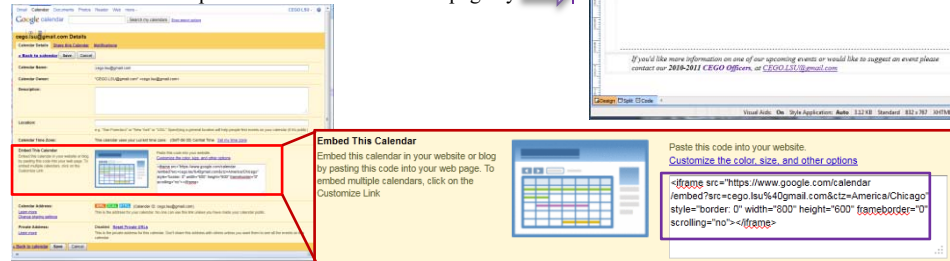
What the Page looks like in **Google**

1. Log into CEGO's default gmail account & click **Calendar**

2. Under **My calendars** click the  next to [cego.lsu@gmail.com](mailto:cego.lsu@gmail.com) & select **Calendar settings**



3. in the **Calendar Details** page copy the **Code** in **“Embed This Calendar”** section & paste into **Code View** of webpage by 



## Here's the code that creates this page

(this code should be changed/updated using either the **“Split”** or **“Code”** View in SharePoint Designer)

```

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
  </head>
  <!-- #Include file="header.asp"-->
  <body>
    <h1 style="color:#45008A;">CEGO's Calendar</h1>
    <table width="100%">
      <tr>
        <td width="50px"></td>
        <td width="auto">
          <p>You can add CEGO's events to your Personal Google Calendar by clicking on the link below</p>
          <iframe src="http://www.google.com/calendar/embed?src=cego.lsu%40gmail.com&ctz=America/Chicago"
            width="750" height="550" frameborder="0" border="0" scrolling="no">
          </iframe>
        </td>
      </tr>
      <tr>
        <td width="50px"></td>
        <td width="auto">
          <p>If you'd like more information on one of our upcoming events or would like to suggest an event please contact us at<br>
          <a href="mailto:CEGO.LSU@gmail.com">CEGO.LSU@gmail.com</a>
          </p>
        </td>
      </tr>
    </table>
  </body>
  <!-- #Include file="footer.asp"-->
</html>

```



# Imbedding links to Google Picasa Albums in a Webpage

<http://www.sce.lsu.edu/cego/photos.asp>

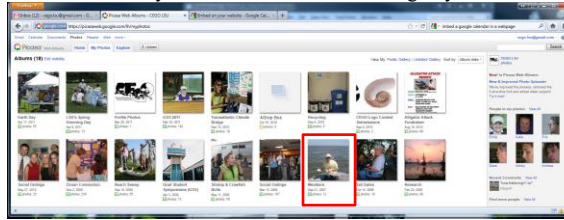
What the Page looks like **Online**



What the Page looks like in **Google**



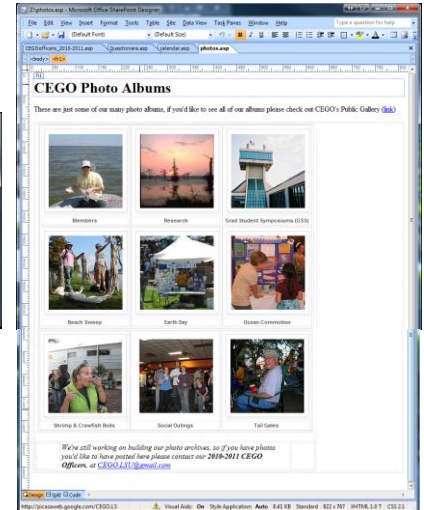
1. Log into CEGO's default gmail account & click **Photos**
2. Under **My Recent Albums** click **View All**
3. Select the Album you're interested in imbedding in your site



4. Click **Link to this album** & then copy this **Code** & paste into **Code View** of webpage by



"Design" View in SharePoint Designer



## Here's some of the code that creates this page

(this code should be changed/updated using either the "Split" or "Code" View in SharePoint Designer)

```
<head>
  <base target="_blank" />
</head>
<!-- #Include file="header.asp"-->
<body>
  <h1>CEGO's Photo Albums</h1>
  <p>These are just some of our many photo albums, if you'd like to see all of our albums please check out CEGO's Public Gallery
    ( <a href="http://picasaweb.google.com/CEGO.LSU" target="_blank">link</a> )
  </p>
  <table width="100%" cellspacing="1" align="center" >
    <tr>
      <td>
        <table width="194px">
          <tr>
            <td align="center" style="height:194px; background:url(https://picasaweb.google.com/s/c/transparent_album_background.gif) no-repeat left">
              <a href="https://picasaweb.google.com/CEGO.LSU/Members?feat=embedwebsite">
                
              </a>
            </td>
          </tr>
          <tr>
            <td style="text-align:center;font-family:arial,sans-serif;font-size:11px">
              <a href="https://picasaweb.google.com/CEGO.LSU/Members?feat=embedwebsite" style="color:#4D4D4D; font-weight:bold; text-decoration:none;"/>
                Members
              </a>
            </td>
          </tr>
        </table>
      </td>
    </tr>
  </table>
```

Paste Code Here



## General Tips

---

- 1) Remember that since any file located in CEGO’s folder on SC&E’s server are considered to be “live” & can be viewed online, for this reason when you need to make changes to an existing webpage (i.e. a file that you know works, is linked to your webpage through the menu/navigation row, hyperlink, or maybe bookmarked by someone else) it is a good practice to click “**save as**” as soon as you open the file in SharePoint & add a number or “\_test” to the end of the file name.
  - ex. if you are about to work on the Photo Albums page when you open the ASP file save it as *photos1.asp*
  - This way the original file (*photos.asp*) will remain unchanged and functional for anyone who may be visiting the page (<http://www.sce.lsu.edu/cego/photos.asp>).
  - Meanwhile while you are working on revising this new version (*photos1.asp*) you can check how the page looks by navigating to it online at (<http://www.sce.lsu.edu/cego/photos1.asp>).
  - Since this new version is not hyperlinked to any part of the website you don’t have to worry about anyone seeing this page before it is ready.
  - When you are done making the desired changes & are confident that this new page works simply save it under its original name (*photos.asp*) replacing the initial copy & making the new version visible to the public
  
- 2) Whenever possible try to avoid letting the SharePoint program define font & layout styles for you (i.e. “style1”). Instead try to define your own styles using names that indicate what the style is being used for (i.e. “PageTitle”).

SharePoint defining styles (bad practice)	You are defining style (good practice)
<pre style="margin: 0; font-family: monospace; font-size: 0.9em;"> &lt;head&gt;   &lt;style type="text/css"&gt;     .style1 {color:#45008A; text-align:center; font-size:xx-large;}   &lt;/style&gt; &lt;/head&gt;  &lt;body&gt;   &lt;h1 class="style1"&gt; CEGO Officers (2010-2011)&lt;/h1&gt; &lt;/body&gt;</pre>	<pre style="margin: 0; font-family: monospace; font-size: 0.9em;"> &lt;head&gt;   &lt;style type="text/css"&gt;     .PageTitle {color:#45008A; text-align:center; font-size:xx-large;}   &lt;/style&gt; &lt;/head&gt;  &lt;body&gt;   &lt;h1 class="PageTitle"&gt; CEGO Officers (2010-2011)&lt;/h1&gt; &lt;/body&gt;</pre>

This is because in some cases the styles used in your pages can be linked to each other and make it difficult to control how what you are seeing is what you intend (i.e. if the *header.asp* & *default.asp* pages both use “style1” but how this style is defined is different, then even though the description for the “style1” used in the *default.asp* appears to be what you want it to be in the *default.asp*’s code, when the page is displayed online the text using this style may appear as though it had been defined using the description used in the *header.asp*’s code.

Even if you don’t experience problems with how things are being displayed online, it is still better to define your own styles because the code for the webpage will be cleaner and easier to make sense of

# **Website Programming Code**

## **(Quick References & Cheat Sheets)**



### Template

```
<html>
<head>
<title></title>
Meta tags
CSS
Javascript
</head>
<body>
Content
</body>
</html>
```

### CSS Media

all  
handheld  
print  
projection  
screen

### Meta Types

http-equiv  
name

### Lists

```
<ol>
<li>
</li>
</ol>

<ul>
<li>
</li>
</ul>
```

### Syntax

#### Basic

HTML: <tag></tagclose> or <tag>  
XHTML: <tag></tagclose> or <tag />

#### With Attribute

HTML: <tag attribute="?">  
XHTML: <tag attribute="?" />

### General

<body> Visible part of the page  
<head> Part not displayed on page  
<html> Creates an HTML page  
<title> Creates the Page name in title bar

### Links

\* Displays an image  
<a href="#?">\* Link to anchor in current page  
<a href="URL">\* Link to another page  
<a href="URL#">\* Link to anchor in another page  
<a href="mailto:EMAIL">\* eMail link

### Structure

<br>\* Line break  
<code> Source code listing  
<div> Formats structure or block of text  
<em> Italic text  
<h1>..<h6> Page heading, biggest to smallest  
<hr> Horizontal rule  
<p> Paragraph  
<pre> Preformatted text  
<span> Inline formatting  
<strong> Bold text  
<sub> Subscript text  
<sup> Superscript text

### Frames

<frame> Defines a single frame  
<frameset> Frame document  
<iframe> Inline frame

\* Does not require a closing tag.

### Head

<link rel="stylesheet" href="?" type="text/css">\* External CSS link  
<script language="Javascript" type="text/javascript"> Embedded javascript  
<meta http-equiv="content-type" content="?"; charset="?">\* Meta information

### Tables

<caption> Table caption  
<table> Defines a table  
<tbody> Body section of table  
<td> Table cell  
<td colspan="?"> Number of columns cell spans  
<td rowspan="?"> Number of rows cell spans  
<tfoot> Footer section of the table  
<th> Table header cells  
<th colspan="?"> Number of columns table header cell spans  
<thead> Header section of table  
<tr> Table row

### Table

```
<table>
<thead>
<tr>
<th>
</th>
</tr>
</thead>
<tbody>
<tr>
<td>
</td>
</tr>
</tbody>
<tfoot>
<tr>
<td>
</td>
</tr>
</tfoot>
</table>
```

### Lists

<dd> Definition  
<dl> Definition list  
<dt> Definition term  
<li> Item in a list  
<ol> Ordered list  
<ul> Unordered list

### Input Types

button  
checkbox  
file  
hidden  
image  
password  
radio  
reset  
submit  
text

### Forms

<form> Defines a form  
<fieldset> Group of related form items  
<input type="?">\* Form element [see input types]  
<option> Menu item in a select box  
<select> Drop-down menu  
<textarea> Multi-row text area

### Special Characters

&nbsp; Non-breaking space  
&quot; Quotation mark  
&amp; Ampersand  
&lt; Less than sign  
&gt; More than sign



<b>Document Outline</b> <table border="1"> <tr><td>&lt;!DOCTYPE&gt;</td><td>Version of (X)HTML</td></tr> <tr><td>&lt;html&gt;</td><td>HTML document</td></tr> <tr><td>&lt;head&gt;</td><td>Page information</td></tr> <tr><td>&lt;body&gt;</td><td>Page contents</td></tr> </table>	<!DOCTYPE>	Version of (X)HTML	<html>	HTML document	<head>	Page information	<body>	Page contents	<b>Lists</b> <table border="1"> <tr><td>&lt;ol&gt;</td><td>Ordered list</td></tr> <tr><td>&lt;ul&gt;</td><td>Unordered list</td></tr> <tr><td>&lt;li&gt;</td><td>List item</td></tr> <tr><td>&lt;dl&gt;</td><td>Definition list</td></tr> <tr><td>&lt;dt&gt;</td><td>Definition term</td></tr> <tr><td>&lt;dd&gt;</td><td>Term description</td></tr> </table>	<ol>	Ordered list	<ul>	Unordered list	<li>	List item	<dl>	Definition list	<dt>	Definition term	<dd>	Term description	<b>Objects</b> <table border="1"> <tr><td>&lt;object&gt;</td><td>Object</td></tr> <tr><td>&lt;param /&gt;</td><td>Parameter</td></tr> </table>	<object>	Object	<param />	Parameter																																															
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&#62;	>	Greater than																																																																							
&#64;	@	"At" symbol																																																																							
&#128;	€	Euro																																																																							
&#149;	•	Small bullet																																																																							
&#153;	™	Trademark																																																																							
&#163;	£	Pound																																																																							
&#160;		Non-breaking space																																																																							
&#169;	©	Copyright symbol																																																																							
onBlur	onReset																																																																								
onChange	onSelect																																																																								
onFocus	onSubmit																																																																								
		<b>Keyboard Events</b> <table border="1"> <tr><td>onKeyDown</td><td>onKeyUp</td></tr> <tr><td>onKeyPress</td><td></td></tr> </table>	onKeyDown	onKeyUp	onKeyPress																																																																				
onKeyDown	onKeyUp																																																																								
onKeyPress																																																																									
		<b>Mouse Events</b> <table border="1"> <tr><td>onClick</td><td>onMouseout</td></tr> <tr><td>onDbclick</td><td>onMouseover</td></tr> <tr><td>onMouseDown</td><td>onMouseup</td></tr> <tr><td>onMouseMove</td><td></td></tr> </table>	onClick	onMouseout	onDbclick	onMouseover	onMouseDown	onMouseup	onMouseMove																																																																
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# html character entities

CHARACTERS	CHARACTERS	CHARACTERS	CHARACTERS
&#32; Space	&#81; Q Upper case Q	&#160; Non-breaking space	&#207; İ I with umlaut
&#33; ! Exclamation mark	&#82; R Upper case R	&#161; ¡ Inverted exclamation mark	&#208; ð ETH
&#34; " Quotation mark	&#83; S Upper case S	&#162; ¢ Cent symbol	&#209; ñ N with tilde
&#35; # Pound symbol	&#84; T Upper case T	&#163; £ Pound symbol	&#210; ò O with grave
&#36; \$ Dollar sign	&#85; U Upper case U	&#164; ¤ Currency symbol	&#211; ó O with acute
&#37; % Percent sign	&#86; V Upper case V	&#165; ¥ Yen symbol	&#212; ô O with circumflex
&#38; & Ampersand	&#87; W Upper case W	&#166; † Broken vertical bar	&#213; õ O with tilde
&#39; ` Apostrophe	&#88; X Upper case X	&#167; § Section symbol	&#214; ö O with umlaut
&#40; ( Opening bracket	&#89; Y Upper case Y	&#168; ¨ Umlaut	&#215; × Multiply symbol
&#41; ) Closing bracket	&#90; Z Upper case Z	&#169; © Copyright	&#216; ø O with slash
&#42; * Asterisk	&#91; [ Opening square bracket	&#170; ª Feminine ordinal	&#217; ù U with grave
&#43; + Plus	&#92; \ Backslash	&#171; « Double-left arrow	&#218; ú U with acute
&#44; , Comma	&#93; ] Closing square bracket	&#172; ¬ "Not" symbol	&#219; û U with circumflex
&#45; - Hyphen	&#94; ^ Caret	&#173; – Soft hyphen	&#220; ü U with umlaut
&#46; . Period	&#95; _ Underscore	&#174; ® Registered	&#221; ý Y with acute
&#47; / Forward slash	&#96; ` Single quote	&#175; ¯ Overline	&#222; þ THORN
&#48; 0 Zero	&#97; a Lower case a	&#176; ° Degree symbol	&#223; ß Sharp S
&#49; 1 One	&#98; b Lower case b	&#177; ± Plus-or-minus	&#224; à A with grave
&#50; 2 Two	&#99; c Lower case c	&#178; ² Squared	&#225; á A with acute
&#51; 3 Three	&#100; d Lower case d	&#179; ³ Cubed	&#226; â A with circumflex
&#52; 4 Four	&#101; e Lower case e	&#180; ´ Acute accent	&#227; ã A with tilde
&#53; 5 Five	&#102; f Lower case f	&#181; µ Micro symbol	&#228; ä A with umlaut
&#54; 6 Six	&#103; g Lower case g	&#182; ¶ Paragraph symbol	&#229; å A with ring
&#55; 7 Seven	&#104; h Lower case h	&#183; · Middle dot	&#230; æ AE
&#56; 8 Eight	&#105; i Lower case i	&#184; ¸ Cedilla	&#231; ç C with cedilla
&#57; 9 Nine	&#106; j Lower case j	&#185; ¹ Superscript "1"	&#232; è E with grave
&#58; : Colon	&#107; k Lower case k	&#186; º Masculine ordinal	&#233; é E with acute
&#59; ; Semicolon	&#108; l Lower case l	&#187; » Double-right arrow	&#234; ê E with circumflex
&#60; < Less than	&#109; m Lower case m	&#188; ¼ One quarter	&#235; ë E with umlaut
&#61; = Equals sign	&#110; n Lower case n	&#189; ½ One half	&#236; ì I with grave
&#62; > Greater than	&#111; o Lower case o	&#190; ¾ Three quarters	&#237; í I with acute
&#63; ? Question mark	&#112; p Lower case p	&#191; ¿ Inverted question mark	&#238; î I with circumflex
&#64; @ "At" symbol	&#113; q Lower case q	&#192; À A with grave	&#239; ï I with umlaut
&#65; A Upper case A	&#114; r Lower case r	&#193; Á A with acute	&#240; ð ETH
&#66; B Upper case B	&#115; s Lower case s	&#194; Â A with circumflex	&#241; ñ N with tilde
&#67; C Upper case C	&#116; t Lower case t	&#195; Ã A with tilde	&#242; ò O with grave
&#68; D Upper case D	&#117; u Lower case u	&#196; Ä A with umlaut	&#243; ó O with acute
&#69; E Upper case E	&#118; v Lower case v	&#197; Å A with ring	&#244; ô O with circumflex
&#70; F Upper case F	&#119; w Lower case w	&#198; Æ AE	&#245; õ O with tilde
&#71; G Upper case G	&#120; x Lower case x	&#199; Ç C with cedilla	&#246; ö O with umlaut
&#72; H Upper case H	&#121; y Lower case y	&#200; È E with grave	&#247; ÷ Divide symbol
&#73; I Upper case I	&#122; z Lower case z	&#201; É E with acute	&#248; ø O with slash
&#74; J Upper case J	&#123; { Opening curly brace	&#202; Ê E with circumflex	&#249; ù U with grave
&#75; K Upper case K	&#124;   Vertical line	&#203; Ë E with umlaut	&#250; ú U with acute
&#76; L Upper case L	&#125; } Closing curly brace	&#204; Ì I with grave	&#251; û U with circumflex
&#77; M Upper case M	&#126; ~ Tilde	&#205; Í I with acute	&#252; ü U with umlaut
&#78; N Upper case N	&#127; Delete	&#206; Î I with circumflex	&#253; ý Y with acute
&#79; O Upper case O			&#254; þ THORN
&#80; P Upper case P			&#255; ÿ Y with umlaut

# RGB Colour Codes

#000000	#330000	#660000	#990000	#CC0000	#FF0000	#110000	#001100
#003300	#333300	#663300	#993300	#CC3300	#FF3300	#220000	#002200
#006600	#336600	#666600	#996600	#CC6600	#FF6600	#330000	#003300
#009900	#339900	#669900	#999900	#CC9900	#FF9900	#440000	#004400
#00CC00	#33CC00	#66CC00	#99CC00	#CCC000	#FFC000	#550000	#005500
#00FF00	#33FF00	#66FF00	#99FF00	#CCFF00	#FFFF00	#660000	#006600
#000033	#330033	#660033	#990033	#CC0033	#FF0033	#770000	#007700
#003333	#333333	#663333	#993333	#CC3333	#FF3333	#880000	#008800
#006633	#336633	#666633	#996633	#CC6633	#FF6633	#990000	#009900
#009933	#339933	#669933	#999933	#CC9933	#FF9933	#AA0000	#00AA00
#00CC33	#33CC33	#66CC33	#99CC33	#CCC033	#FFC033	#BB0000	#00BB00
#00FF33	#33FF33	#66FF33	#99FF33	#CCFF33	#FFF033	#CC0000	#00CC00
#000066	#330066	#660066	#990066	#CC0066	#FF0066	#DD0000	#00DD00
#003366	#333366	#663366	#993366	#CC3366	#FF3366	#EE0000	#00EE00
#006666	#336666	#666666	#996666	#CC6666	#FF6666	#FF0000	#00FF00
#009966	#339966	#669966	#999966	#CC9966	#FF9966	#000011	#110011
#00CC66	#33CC66	#66CC66	#99CC66	#CCC066	#FFC066	#000022	#220033
#00FF66	#33FF66	#66FF66	#99FF66	#CCFF66	#FFF066	#000033	#330033
#000099	#330099	#660099	#990099	#CC0099	#FF0099	#000044	#440044
#003399	#333399	#663399	#993399	#CC3399	#FF3399	#000055	#550055
#006699	#336699	#666699	#996699	#CC6699	#FF6699	#000066	#660066
#009999	#339999	#669999	#999999	#CC9999	#FF9999	#000077	#770077
#00CC99	#33CC99	#66CC99	#99CC99	#CCC099	#FFC099	#000088	#880088
#00FF99	#33FF99	#66FF99	#99FF99	#CCFF99	#FFF099	#000099	#990099
#0000CC	#3300CC	#6600CC	#9900CC	#CC00CC	#FF00CC	#0000AA	#AA00AA
#0033CC	#3333CC	#6633CC	#9933CC	#CC33CC	#FF33CC	#0000BB	#BB00BB
#0066CC	#3366CC	#6666CC	#9966CC	#CC66CC	#FF66CC	#0000CC	#CC00CC
#0099CC	#3399CC	#6699CC	#9999CC	#CC99CC	#FF99CC	#0000DD	#DD00DD
#00CCCC	#33CCCC	#66CCCC	#99CCCC	#CCCCCC	#FFCCCC	#0000EE	#EE00EE
#00FFCC	#33FFCC	#66FFCC	#99FFCC	#CCFFCC	#FFF0CC	#0000FF	#FF00FF
#0000FF	#3300FF	#6600FF	#9900FF	#CC00FF	#FF00FF	#111100	#001111
#0033FF	#3333FF	#6633FF	#9933FF	#CC33FF	#FF33FF	#222200	#002222
#0066FF	#3366FF	#6666FF	#9966FF	#CC66FF	#FF66FF	#333300	#003333
#0099FF	#3399FF	#6699FF	#9999FF	#CC99FF	#FF99FF	#444400	#004444
#00CCFF	#33CCFF	#66CCFF	#99CCFF	#CCC0FF	#FFC0FF	#555500	#005555
#00FFFF	#33FFFF	#66FFFF	#99FFFF	#CCFFFF	#FFF0FF	#666600	#006666
						#777700	#007777
						#888800	#008888
						#999900	#009999
						#AAAA00	#00AAAA
						#BBBB00	#00BBBB
						#CCCC00	#00CCCC
						#DDDD00	#00DDDD
						#EEEE00	#00EEEE
						#FFFF00	#00FFFF

## Web-safe Colours

Black #000000	Maroon #800000	Green #008000	Navy #000080
Silver #C0C0C0	Red #FF0000	Lime #00FF00	Blue #0000FF
Gray #808080	Purple #800080	Olive #808000	Teal #008080
White #FFFFFF	Fuchsia #FF00FF	Yellow #FFFF00	Aqua #00FFFF

## HTML Named Colours

FF - 255	77 - 119
EE - 238	66 - 102
DD - 221	55 - 85
CC - 204	44 - 68
BB - 187	33 - 51
AA - 170	22 - 34
99 - 153	11 - 17
88 - 136	00 - 00

## Hex - Dec Conversion

Available free from  
AddedBytes.com



## Selectors

*	All elements
div	<div>
div *	All elements within <div>
div span	<span> within <div>
div, span	<div> and <span>
div > span	<span> with parent <div>
div + span	<span> preceded by <div>
.class	Elements of class "class"
div.class	<div> of class "class"
#itemid	Element with id "itemid"
div#itemid	<div> with id "itemid"
a[attr]	<a> with attribute "attr"
a[attr='x']	<a> when "attr" is "x"
a[class~='x']	<a> when class is a list containing 'x'
a[lang]='en']	<a> when lang begins "en"

## Pseudo-Selectors and Pseudo-Classes

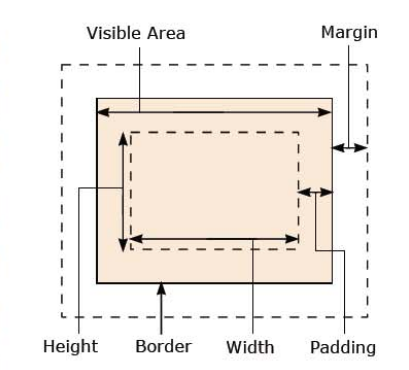
:first-child	First child element
:first-line	First line of element
:first-letter	First letter of element
:hover	Element with mouse over
:active	Active element
:focus	Element with focus
:link	Unvisited links
:visited	Visited links
:lang(var)	Element with language "var"
:before	Before element
:after	After element

## Sizes and Colours

0	0 requires no unit
<b>Relative Sizes</b>	
em	1em equal to font size of parent (same as 100%)
ex	Height of lower case "x"
%	Percentage
<b>Absolute Sizes</b>	
px	Pixels
cm	Centimeters
mm	Millimeters
in	Inches
pt	1pt = 1/72in
pc	1pc = 12pt
<b>Colours</b>	
#789abc	RGB Hex Notation
#acf	Equates to "#aacfff"
rgb(0,25,50)	Value of each of red, green, and blue. 0 to 255, may be swapped for percentages.

**Note** Shorthand properties are marked **x**  
Properties that inherit are marked **+**

## Box Model



## Positioning

display	clear
position	z-index
top	direction +
right	unicode-bidi
bottom	overflow
left	clip
float	visibility

## Dimensions

width	min-height
min-width	max-height
max-width	vertical-align
height	

## Color / Background

color +	background-repeat
background x	background-image
background-color	background-position
background-attachment	

## Text

text-indent +	word-spacing +
text-align +	text-transform +
text-decoration	white-space +
text-shadow	line-height +
letter-spacing +	

## Fonts

font + x	font-weight +
font-family +	font-stretch +
font-style +	font-size +
font-variant +	font-size-adjust +

## Boxes

margin x	border-color x
margin-top	border-top-color
margin-right	border-right-color
margin-bottom	border-bottom-color
margin-left	border-left-color
padding x	border-style x
padding-top	border-top-style
padding-right	border-right-style
padding-bottom	border-bottom-style
padding-left	border-left-style
border x	border-width x
border-top x	border-top-width
border-bottom x	border-right-width
border-right x	border-bottom-width
border-left x	border-left-width

## Tables

caption-side +	border-spacing +
table-layout	empty-cells +
border-collapse +	speech-header +

## Paging

size	page-break-inside +
marks	page +
page-break-before	orphans +
page-break-after	widows +

## Interface

cursor +	outline-style
outline x	outline-color
outline-width	

## Aural

volume +	elevation
speak +	speech-rate
pause x	voice-family
pause-before	pitch
pause-after	pitch-range
cue x	stress
cue-before	richness
cue-after	speak-punctuation
play-during	speak-numeral
azimuth +	

## Miscellaneous

content	list-style-type +
quotes +	list-style-image +
counter-reset	list-style-position +
counter-increment	marker-offset
list-style + x	

Available free from  
[www.AddedBytes.com](http://www.AddedBytes.com)

<http://www.addedbytes.com/cheat-sheets/css-cheat-sheet/>



# Cascading Style Sheets (CSS 2)

BACKGROUND		CLASSIFICATION		GENERATED CONTENT	
<b>background</b>	<i>background-color</i> <i>background-image</i> <i>background-repeat</i> <i>background-attachment</i> <i>background-position</i>	<b>clear</b>	left   right   both   none	<b>content</b>	<i>string</i> <i>url</i> counter( <i>name</i> ) counter( <i>name</i> , <i>list-style-type</i> ) counters( <i>name</i> , <i>string</i> ) counters( <i>name</i> , <i>string</i> , <i>list-style-type</i> ) attr( <i>X</i> ) open-quote   close-quote   no-open-quote   no-close-quote
<b>background-attachment</b>	scroll   fixed	<b>cursor</b>	<i>url</i> auto   crosshair   default   pointer   move   e-resize   ne-resize   nw-resize   n-resize   se-resize   sw-resize   s-resize   w-resize   text   wait   help	<b>counter-increment</b>	none <i>identifier number</i>
<b>background-color</b>	<i>color-rgb</i> <i>color-hex</i> <i>color-name</i> transparent	<b>display</b>	none   inline   block   list-item   run-in   compact   marker   table   inline-table   table-row-group   table-header-group   table-footer-group   table-row   table-column-group   table-column   table-cell   table-caption	<b>counter-reset</b>	none <i>identifier number</i>
<b>background-image</b>	<i>url</i> none	<b>float</b>	left   right   none	<b>quotes</b>	none <i>string string string string</i>
<b>background-position</b>	top left   top center   top right   center left   center center   center right   bottom left   bottom center   bottom right <i>x-% y-%</i> <i>x-pos y-pos</i>	<b>position</b>	static   relative   absolute   fixed	<b>LIST &amp; MARKERS</b>	
<b>background-repeat</b>	repeat   repeat-x   repeat-y   no-repeat	<b>visibility</b>	visible   hidden   collapse	<b>list-style</b>	<i>list-style-type</i> <i>list-style-position</i> <i>list-style-image</i>
BORDER		DIMENSION			
<b>border</b>	<i>border-width</i> <i>border-style</i> <i>border-color</i>	<b>height</b>	auto <i>length</i> %	<b>list-style-image</b>	none <i>url</i>
<b>border-bottom</b>	<i>border-bottom-width</i> <i>border-style</i> <i>border-color</i>	<b>line-height</b>	normal <i>number</i> <i>length</i> %	<b>list-style-position</b>	inside   outside
<b>border-bottom-color</b>	<i>border-color</i>	<b>max-height</b>	none <i>length</i> %	<b>list-style-type</b>	none   disc   circle   square   decimal   decimal-leading-zero   lower-roman   upper-roman   lower-alpha   upper-alpha   lower-greek   lower-latin   upper-latin   hebrew   armenian   georgian   cjk-ideographic   hiragana   katakana   hiragana-iroha   katakana-iroha
<b>border-bottom-style</b>	<i>border-style</i>	<b>max-width</b>	none <i>length</i> %	<b>marker-offset</b>	auto <i>length</i> %
<b>border-bottom-width</b>	thin   medium   thick <i>length</i>	<b>min-height</b>	<i>length</i> %	<b>MARGIN</b>	
<b>border-color</b>	<i>color</i>	<b>min-width</b>	<i>length</i> %	<b>margin</b>	<i>margin-top</i> <i>margin-right</i> <i>margin-bottom</i> <i>margin-left</i>
<b>border-left</b>	<i>border-left-width</i> <i>border-style</i> <i>border-color</i>	<b>width</b>	auto % <i>length</i>	<b>margin-bottom</b>	auto <i>length</i> %
<b>border-left-color</b>	<i>border-color</i>	<b>FONT</b>		<b>margin-left</b>	auto <i>length</i> %
<b>border-left-style</b>	<i>border-style</i>	<b>font</b>	<i>font-style</i> <i>font-variant</i> <i>font-weight</i> <i>font-size/line-height</i> <i>font-family</i> caption   icon   menu   message-box   small-caption   status-bar	<b>margin-right</b>	auto <i>length</i> %
<b>border-left-width</b>	thin   medium   thick <i>length</i>	<b>font-family</b>	<i>family-name</i> <i>generic-family</i>	<b>margin-top</b>	auto <i>length</i> %
<b>border-right</b>	<i>border-right-width</i> <i>border-style</i> <i>border-color</i>	<b>font-size</b>	xx-small   x-small   small   medium   large   x-large   xx-large   smaller   larger <i>length</i> %	<b>OUTLINE</b>	
<b>border-right-color</b>	<i>border-color</i>	<b>font-size-adjust</b>	none <i>number</i>	<b>outline</b>	<i>outline-color</i> <i>outline-style</i> <i>outline-width</i>
<b>border-right-style</b>	<i>border-style</i>	<b>font-stretch</b>	normal   wider   narrower   ultra-condensed   condensed   semi-condensed   semi-expanded   expanded   extra-expanded   ultra-expanded	<b>outline-color</b>	<i>color</i> invert
<b>border-right-width</b>	thin   medium   thick <i>length</i>	<b>font-style</b>	normal   italic   oblique	<b>outline-style</b>	None   dotted   dashed   solid   double   groove   ridge   inset   outset
<b>border-style</b>	none   hidden   dotted   dashed   solid   double   groove   ridge   inset   outset	<b>font-variant</b>	normal   small-caps	<b>outline-width</b>	thin   medium   thick <i>length</i>
<b>border-top</b>	<i>border-top-width</i> <i>border-style</i> <i>border-color</i>	<b>font-weight</b>	normal   bold   bolder   lighter   100   200   300   400   500   600   700   800   900		
<b>border-top-color</b>	<i>border-color</i>				
<b>border-top-style</b>	<i>border-style</i>				
<b>border-top-width</b>	thin   medium   thick <i>length</i>				
<b>border-width</b>	thin   medium   thick <i>length</i>				

Values in italics are place holders for an actual value (like 1px, 1em, 1%), values in normal text are values that can be used as the actual value

CSS Properties in **Dark Red** are shorthand properties and each value must be defined. The exception is where the property can define from one to four of the sides of a box element property (Top-Right-Bottom-Left) - i.e. border-width

PADDING	
<b>padding</b>	<i>padding-top</i> <i>padding-right</i> <i>padding-bottom</i> <i>padding-left</i>
<b>padding-bottom</b>	<i>length</i> %
<b>padding-left</b>	<i>length</i> %
<b>padding-right</b>	<i>length</i> %
<b>padding-top</b>	<i>length</i> %
POSITIONING	
<b>bottom</b>	auto % <i>length</i>
<b>clip</b>	<i>shape</i> auto
<b>left</b>	auto % <i>length</i>
<b>overflow</b>	visible   hidden   scroll   auto
<b>position</b>	static   relative   absolute   fixed
<b>right</b>	auto % <i>length</i>
<b>top</b>	auto % <i>length</i>
<b>vertical-align</b>	Baseline   sub   super   top   text-top   middle   bottom   text-bottom <i>length</i> %
<b>z-index</b>	auto

UNITS	
MEASUREMENT	
<b>%</b>	percentage
<b>cm</b>	centimeter
<b>em</b>	1em = current font size of current element
<b>ex</b>	1ex = ~1/2 current size of current element
<b>in</b>	inch
<b>mm</b>	millimeter
<b>pc</b>	pica (= 12 points)
<b>pt</b>	point (= 1/72 inch)
<b>px</b>	pixel
COLORS	
<b>Color name</b>	Red, blue, green, dark green
<b>rgb(x,y,z)</b>	Red = rgb(255,0,0)
<b>rgb(x%,y%,z%)</b>	Red = rgb(100%,0,0)
<b>#rrggbb</b>	Red = #ff0000 (or shorthand = #f00)

TABLE	
<b>border-collapse</b>	collapse   separate
<b>border-spacing</b>	<i>length length</i>
<b>caption-side</b>	top   bottom   left   right
<b>empty-cells</b>	show   hide
<b>table-layout</b>	auto   fixed
TEXT	
<b>color</b>	<i>color</i>
<b>direction</b>	ltr   rtl
<b>letter-spacing</b>	normal <i>length</i>
<b>text-align</b>	left   right   center   justify
<b>text-decoration</b>	none   underline   overline   line-through   blink
<b>text-indent</b>	<i>length</i> %
<b>text-shadow</b>	none <i>color</i> <i>length</i>
<b>text-transform</b>	none   capitalize   uppercase   lowercase
<b>unicode-bidi</b>	normal   embed   bidi-override
<b>white-space</b>	normal   pre   nowrap
<b>word-spacing</b>	normal <i>length</i>

SELECTOR TYPES		
Name	Info	Example
<b>Universal</b>	Any element	* { font: 10px Arial; }
<b>Type</b>	Any element of that type	h1 { text-decoration: underline; }
<b>Grouping</b>	Multiple elements of different types	h1, h2, h3 { font-family: Verdana; }
<b>Class</b>	Multiple elements of different types when you don't want to affect all instances	.sampleclass { text-decoration: underline; }
<b>Id</b>	A single element type when you don't want to affect all instances of	#sampleid { text-decoration: underline; }
<b>Descendant</b>	An element that is below (in the document tree) another element—no matter how many levels below	#gallery h1 { text-decoration: underline; }
<b>Child</b>	An element that is directly below (in the document tree) another	#title > p { font-weight: bold; }
<b>Sibling</b>	All elements of a type that share the same parent	h1 + p { font-style: italic; }
<b>Attribute</b>	An element with that matches the attribute listed	option[selected] { color: #ff0000; } input[type="pass"] { color: #ccc; } img[src="sm.gif"] { border: 1px solid #000; } a[rel~="next"] { color: #fff; } *[lang="en"] { color: red; }

PSEUDO-CLASS	
<b>:active</b>	Adds special style to an activated element
<b>:focus</b>	Adds special style to an element while the element has focus
<b>:hover</b>	Adds special style to an element when you mouse over it
<b>:link</b>	Adds special style to an unvisited link
<b>:visited</b>	Adds special style to a visited link
<b>:first-child</b>	Adds special style to an element that is the first child of some other element
<b>:lang</b>	Allows the author to specify a language to use in a specified
PSEUDO-ELEMENT	
<b>:first-letter</b>	Adds special style to the first letter of a text
<b>:first-line</b>	Adds special style to the first line of a text
<b>:before</b>	Inserts some content before an element
<b>:after</b>	Inserts some content after an element

SELECTOR PATTERNS	
Name	Example
*	any element
E	an element of type E
E[foo]	an E element with a "foo" attribute
E[foo="bar"]	an E element whose "foo" attribute value is exactly equal to "bar"
E[foo~="bar"]	an E element whose "foo" attribute value is a list of space-separated values, one of which is exactly equal to "bar"
E[hreflang="en"]	an E element whose "hreflang" attribute has a hyphen-separated list of values beginning (from the left) with "en"
E:first-child	an E element, first child of its parent
E:link E:visited	an E element being the source anchor of a hyperlink of which the target is not yet visited (:link) or already visited (:visited)
E:active E:hover E:focus	an E element during certain user actions
E:lang(fr)	an element of type E in language "fr" (the document language specifies how language is determined)
E::first-line	the first formatted line of an E element
E::first-letter	the first formatted letter of an E element
E::before	generated content before an E element
E::after	generated content after an E element
E.warning	an E element whose class is "warning" (the document language specifies how class is determined).
E#myid	an E element with ID equal to "myid".
E F	an F element descendant of an E element
E > F	an F element child of an E element
E + F	an F element immediately preceded by an E element

## Size Conversions for Websites

---

### Approximate Conversion from Points to Pixels (and Ems and %)

Here's a chart that converts points to pixels (and ems and %). It's an approximation, which will depend on font, browser and OS, but it's a good starting point.

Points	Pixels	Ems	Percent
6pt	8px	0.5em	50%
7pt	9px	0.55em	55%
7.5pt	10px	0.625em	62.5%
8pt	11px	0.7em	70%
9pt	12px	0.75em	75%
10pt	13px	0.8em	80%
10.5pt	14px	0.875em	87.5%
11pt	15px	0.95em	95%
12pt	16px	1em	100%
13pt	17px	1.05em	105%
13.5pt	18px	1.125em	112.5%
14pt	19px	1.2em	120%
14.5pt	20px	1.25em	125%
15pt	21px	1.3em	130%
16pt	22px	1.4em	140%
17pt	23px	1.45em	145%
18pt	24px	1.5em	150%
20pt	26px	1.6em	160%
22pt	29px	1.8em	180%
24pt	32px	2em	200%
26pt	35px	2.2em	220%
27pt	36px	2.25em	225%
28pt	37px	2.3em	230%
29pt	38px	2.35em	235%
30pt	40px	2.45em	245%
32pt	42px	2.55em	255%
34pt	45px	2.75em	275%
36pt	48px	3em	300%

<http://reeddesign.co.uk/test/points-pixels.html>

## Methods

**Request**  
BinaryRead

**Response**  
AddHeader  
AppendToLog  
BinaryWrite  
Clear  
End  
Flush  
Redirect  
Write

**Application**  
Lock  
Unlock

**Session**  
Abandon

**Server**  
CreateObject  
Execute  
GetLastError  
HTMLEncode  
MapPath  
Transfer  
URLEncode

## Properties

**Response**  
Buffer  
CacheControl  
Charset  
ContentType  
Expires  
ExpiresAbsolute  
IsClientConnected  
Pics  
Status

**Request**  
TotalBytes

**Session**  
CodePage  
LCID  
SessionID  
Timeout

**Server**  
ScriptTimeout

**Error**  
ASPCode  
ASPDescription  
Category  
Column  
Description  
File  
Line  
Number  
Source

# ASP / VBScript

## REGULAR EXPRESSIONS - PATTERNS

^	Start of string
\$	End of string
.	Any single character
(a b)	a or b
(...)	Group section
[abc]	Item in range (a or b or c)
[^abc]	Not in range (not a or b or c)
[a-z]	Any lower-case letter
[A-Z]	Any upper-case letter
[0-9]	Any numeric digit
a?	Zero or one of a
a*	Zero or more of a
a+	One or more of a
a{3}	Exactly 3 of a
a{3,}	3 or more of a
a{3,6}	Between 3 and 6 of a
!(pattern)	"Not" prefix. Apply rule when URL does not match pattern.

\b	End of word
\n	New line
\r	Carriage return
\	Escape Character
\t	Tab
\s	White space
\w	Any word (= [A-Za-z0-9_])

## DATE FUNCTION ARGUMENTS

YYYY	Year
q	Quarter
m	Month
y	Day of Year
d	Day
w	Weekday
ww	Week of Year
h	Hour
n	Minute
s	Second

## REDIRECT WITH 301 HEADER

```
Response.Status="301 Moved Permanently"
Response.AddHeader "Location", "http://www.website.com"
Response.End
```

## INCLUDING A FILE

```
<!--#include file="include.inc"-->
```

## FUNCTION ARGUMENT ORDERS

DateAdd(Interval, Number, Date)
DateDiff(Interval, Date1, Date2)
InStr(Start, String, Substring, Compare)
FormatDateTime (Date, DateFormat)
Join(Array, Delimiter)
Left(String, Length)
Replace(Haystack, Needle, Replacement)
Split(Expression, Delimiter)

## FILE MODES

1	Reading
2	Writing
3	Appending

## COMMON LCID CODES

2057	English (UK)
1033	English (US)
1036	French (France)
1031	German (Germany)
1034	Spanish (Spain)

## STRING CONSTANTS

VbCr	Carriage Return
VbCrLf	VbCr and Line Feed
VbFormFeed	Form Feed
VbLf	Line Feed
VbNullChar	Null Character
VbNullString	Null String
VbTab	Tab Character

## COMPARISON CONSTANTS

0	VBBinaryCompare
1	VBTextCompare
2	VBDataBaseCompare

## NAMED DATE CONSTANTS

0	vbGeneralDate
1	vbLongDate
2	vbShortDate
3	vbLongTime
4	vbShortTime

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## Functions

**String**  
FormatCurrency  
InStr  
LCase  
Left  
Len  
Mid  
Replace  
Response.write  
Right  
String  
StrReverse  
Trim  
UCase

**Date**  
Date  
DateAdd  
DatePart  
DateSerial  
Day  
FormatDateTime  
Hour  
Minute  
Month  
MonthName  
Now  
Second  
Weekday  
WeekdayName  
Year

## Arrays

Join  
Redim  
Split  
Ubound

## Mathematical

Abs  
Atn  
Cos  
Exp  
Log  
Rnd (Randomize)  
Round  
Sin  
Sqr  
Sgn  
Tan

## Collections

**Response**  
Cookies

**Request**  
ClientCertificate  
Cookies  
Form  
QueryString  
ServerVariables

**Application**  
Contents  
StaticObjects

**Session**  
Contents  
StaticObjects

<http://www.addedbytes.com/download/asp-cheat-sheet-v1/pdf/>



## Methods

**Object**  
 toString  
 toLocaleString  
 valueOf  
 hasOwnProperty  
 isPrototypeOf  
 propertyIsEnumerable

**String**  
 charAt  
 charCodeAt  
 fromCharCode  
 concat  
 indexOf  
 lastIndexOf  
 localeCompare  
 match  
 replace  
 search  
 slice  
 split  
 substring  
 substr  
 toLowerCase  
 toUpperCase  
 toLocaleLowerCase  
 toLocaleUpperCase

**RegExp**  
 test  
 match  
 exec

**Array**  
 concat  
 join  
 push  
 pop  
 reverse  
 shift  
 slice  
 sort  
 splice  
 unshift

**Number**  
 toFixed  
 toExponential  
 toPrecision

**Date**  
 parse  
 toString  
 toTimeString  
 toDateString  
 getDate  
 getDay  
 getFullYear  
 getHours  
 getMilliseconds  
 getMinutes  
 getMonth  
 getSeconds  
 getTime  
 getTimezoneOffset  
 getYear  
 setDate  
 setHours  
 setMilliseconds  
 setMinutes  
 setMonth  
 setSeconds  
 setYear  
 toLocaleTimeString

# JavaScript

## XMLHttpRequest

**Safari, Mozilla, Opera:**  
 var req = new XMLHttpRequest();  
**Internet Explorer:**  
 var req = new  
 ActiveXObject("Microsoft.XMLHTTP");

## XMLHttpRequest Object Methods

abort()  
 getAllResponseHeaders()  
 getResponseHeader(header)  
 open(method, URL)  
 send(body)  
 setRequestHeader(header, value)

## XMLHttpRequest Object Properties

onreadystatechange  
 readyState  
 responseText  
 responseXML  
 status  
 statusText

## XMLHttpRequest readyState Values

0	Uninitiated
1	Loading
2	Loaded
3	Interactive
4	Complete

## JAVASCRIPT IN HTML

**External JavaScript File**  
 <script type="text/javascript"  
 src="javascript.js"> </script>  
**Inline JavaScript**  
 <script type="text/javascript">  
 <!--  
 // JavaScript Here  
 //-->  
 </script>

## Functions

<b>Window</b>	<b>Built In</b>
alert	eval
blur	parseInt
clearTimeout	parseFloat
close	isNaN
focus	isFinite
open	decodeURI
print	decodeURIComponent
setTimeout	encodeURIComponent
	encodeURIComponent
	escape
	unescape

## REGULAR EXPRESSIONS - FORMAT

Regular expressions in JavaScript take the form:  
 var RegEx = /pattern/modifiers;

## REGULAR EXPRESSIONS - MODIFIERS

/g	Global matching
/i	Case insensitive
/s	Single line mode
/m	Multi line mode

## REGULAR EXPRESSIONS - PATTERNS

^	Start of string
\$	End of string
.	Any single character
(a b)	a or b
(...)	Group section
[abc]	Item in range (a or b or c)
[^abc]	Not in range (not a or b or c)
a?	Zero or one of a
a*	Zero or more of a
a+	One or more of a
a{3}	Exactly 3 of a
a{3,}	3 or more of a
a{3,6}	Between 3 and 6 of a
!(pattern)	"Not" prefix. Apply rule when URL does not match pattern.

## EVENT HANDLERS

onAbort	onMouseDown
onBlur	onMouseMove
onChange	onMouseOut
onClick	onMouseOver
onDbClick	onMouseUp
onDragDrop	onMove
onError	onReset
onFocus	onResize
onKeyDown	onSelect
onKeyPress	onSubmit
onKeyUp	onUnload
onLoad	

## FUNCTIONS AND METHODS

A method is a type of function, associated with an object. A normal function is not associated with an object.

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## DOM Methods

**Document**  
 clear  
 createDocument  
 createDocumentFragment  
 createElement  
 createEvent  
 createEventObject  
 createRange  
 createTextNode  
 getElementsByTagName  
 getElementById  
 write

**Node**  
 addEventListener  
 appendChild  
 attachEvent  
 cloneNode  
 createTextRange  
 detachEvent  
 dispatchEvent  
 fireEvent  
 getAttributeNS  
 getAttributeNode  
 hasChildNodes  
 hasAttribute  
 hasAttributes  
 insertBefore  
 removeChild  
 removeEventListener  
 replaceChild  
 scrollIntoView

**Form**  
 submit

**DOM Collections**  
 item

**Range**  
 collapse  
 createContextualFragment  
 moveEnd  
 moveStart  
 parentElement  
 select  
 setStartBefore

**Style**  
 getPropertyValue  
 setProperty

**Event**  
 initEvent  
 preventDefault  
 stopPropagation

**XMLSerializer**  
 serializeToString

**XMLHTTP**  
 open  
 send

**XMLDOM**  
 loadXML

**DOMParser**  
 parseFromString

# Addison-Wesley's JavaScript Reference Card

Kathleen M. Goelz and Carol J. Schwartz, Rutgers University

JavaScript: A scripting language designed to be integrated into HTML code to produce enhanced, dynamic, interactive web pages.

## DATA TYPES

*Definition:* The classification of values based on the specific categories in which they are stored.

*Primitive Types:* String, Boolean, Integer, Floating Point, Null, Void

*Composite Types:* Object, Array, Function. Composite data types are in separate sections of the code.

## NUMERIC

*Integer:* Positive or negative numbers with no fractional parts or decimal places.

*Floating Point:* Positive or negative numbers that contain a decimal point or exponential notations.

*String:* A sequence of readable characters or text, surrounded by single or double quotes.

*Boolean:* The logical values True/False, etc. used to compare data or make decisions.

*Null:* The variable does not have a value; nothing to report. Null is not the same as zero, which is a numeric value.

*Casting:* Moving the contents of a variable of one type to a variable of a different type. You don't move the contents to a different variable; it stays in the same variable but the data type is changed or "re-cast".

## VARIABLES

*Definition:* A placeholder for storing data. In JavaScript, a declaration statement consists of the reserved word `var` and the name (identifier) of one or more variables.

*Format:*

```
var variable_name  
[var command is used to declare (create) variables]
```

*Examples:*

```
var myHouseColor  
var myAddress  
var vacation_house, condominium,  
    primaryResidence
```

*Rules for Naming Variables:*

1. Variables cannot be reserved words.
2. Variables must begin with a letter or underscore and cannot begin with symbols, numbers, or arithmetic notations.
3. Spaces cannot be included in a variable name.

*Hints:*

1. Although variables in JavaScript can be used without being declared, it is good programming practice to declare (initialize), all variables.
2. Variable names are case sensitive; for example `X` does not equal `x`.



ISBN 0-321-32075-1

[http://wps.aw.com/wps/media/objects/2234/2287950/javascript\\_reference.pdf](http://wps.aw.com/wps/media/objects/2234/2287950/javascript_reference.pdf)

## INITIALIZING VARIABLES

Use the declaration statement to assign a value to the variable. The value is on the right of the equal sign; the variable is on the left.

*Format:*

```
var variable_name = value
```

*Examples:*

```
var myHouseColor = "yellow"
[literal string value yellow assigned to variable
 myHouseColor]

var myAddress = 473
[numeric value 473 assigned to variable myAddress]

var bookTitle = "Time Capsule", cost =
  28.95, publisher = "Tucker Bay"
[multiple variables can be assigned in one statement]
```

## DECISION MAKING AND CONTROL STRUCTURES

*Definition:* Statements and structures used to change the order in which computer operations will occur.

*Types:*

Conditional Branching IF, IF-ELSE, IF-ELSE IF, SWITCH, WHILE, DO, FOR

### CONDITIONALS

**IF Statement:** A conditional branching statement used to determine whether a stated condition is TRUE.

*Format:*

```
if (condition) {
    statements if condition is TRUE
}
```

*Example:*

```
if (score >= 65) {
    grade = "Pass";
    message = "Congratulations";
}
```

**IF-ELSE Statement:** A conditional branching statement that includes a path to follow if the condition is TRUE and a path to follow if the condition is FALSE.

*Format:*

```
if (condition) {
    statements if condition is TRUE;
}
else {
    statements if condition is FALSE;
}
```

*Example:*

```
if (score >= 65) {
    grade = "Pass";
    message = "Congratulations";
}
else {
    grade = "Fail";
    message = "Try again";
}
```

**IF-ELSE IF Statement:** A conditional branching statement that allows for more than two possible paths. The first time a true condition is encountered, the statement is executed and the remaining conditions will not be tested.

*Format:*

```
if (condition) {
    Statements if condition is TRUE;
}
else if (condition) {
    Statements if condition is TRUE;
}
else {
    Statements if no prior condition is
    true;
}
```

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Example:

```
if (score >= 90) {
    grade = "A";
}
else if (score >= 80) {
    grade = "B";
}
else if (score >= 70) {
    grade = "C";
}
else if (score >= 65) {
    grade = "D";
}
else {
    grade = "F";
}
```

SWITCH Statement: An alternative to the IF-ELSE IF statement for handling multiple options. Compares the expression to the test values to find a match.

Format:

```
switch (expression or variable name) {
    case label:
        statements if expression matches
        this label;
        break;
    case label:
        statements if expression matches
        this label;
        break;
    default:
        statements if expression does not
        match any label;
        break;
}
```

Example:

```
switch (colorchoice) {
    case "red":
        document.bgColor = "red";
        break;
    case "blue":
        document.bgColor = "blue";
        break;
    default:
        document.bgColor = "white";
        break;
}
```

## LOOPS

Loops cause a segment of code to repeat until a stated condition is met. You can use any loop format for any type of code

FOR LOOP:

Format:

```
For (initialize; conditional test;
    increment/decrement) {
    Statements to execute;
}
```

Example:

```
For (var i=0; i<=10; i++) {
    document.write ("This is line " + i);
}
```

DO/WHILE LOOP:

Format:

```
do {
    Statements to execute;
}
while (condition);
```

Example:

```
var i=0;
do {
    document.write ("This is line " + i);
    i++;
}
while (i <=10);
```



## WHILE LOOP:

Format:

```
while (condition) {
    Statements;
    Increment/decrement;
}
```

Example:

```
var i = 0;
while (i<=10) {
    document.write ("This is line " + i);
    i++;
}
```

*Hint:* Watch out for infinite loops, which do not have a stopping condition or have a stopping condition that will never be reached.

## OBJECTS

*Definition:* Objects are a composite data type which contain properties and methods. JavaScript contains built-in objects and allows the user to create custom objects.

*Creating Objects:* Use the **new** constructor

```
var X = new Array()
```

*Examples:*

date, time, math, strings, arrays

## ARRAY OBJECT

*Definition:* Array object is a variable that stores multiple values. Each value is given an index number in the array and each value is referred to by the array name and the index number. Arrays, like simple variables, can hold any kind of data. You can leave the size blank when you create an array. The size of the array will be determined by the number of items placed in it.

*Format:*

```
var arrayname = new Array(size)
```

*Hint:* When you create an array, you create a new instance of the array object. All properties and methods of the array object are available to your new array.

*Example:*

```
var days = new Array (7)
This creates an array of seven elements using the array constructor.
The first item is days[ 0 ], the last item is days[ 6 ].
```

*Initializing Arrays:*

Array items can be treated as simple variables:

```
days[ 0 ] = "Sunday";
days[ 1 ] = "Monday";
etc.
```

## STRING OBJECT

*Definition:* String object is created by assigning a string to a variable, or by using the new object constructor.

*Example:*

```
var name = "Carol";
var name = new String("Carol");
```

*Properties:*

**Length:** returns the number of characters in the string  
**Prototype:** allows the user to add methods and properties to the string

*Methods:*

String formatting methods (similar to HTML formatting tags)

```
String.big
String.blink
String.italics
```

Substring methods (allow user to find, match, or change patterns of characters in the string)

```
indexOf()
charAt()
replace()
```

## MATH OBJECT

*Definition:* Math object allows arithmetic calculations not supported by the basic math operators. Math is a built-in object that the user does not need to define.

*Examples:*

<b>Math.abs(number)</b>	returns absolute value of the numeric argument
<b>Math.cos(number)</b>	returns the cosine of the argument, in radians
<b>Math.round(number)</b>	rounds number to the nearest integer

## DATE/TIME OBJECTS

Date object provides methods for getting or setting information about the date and time.

*Note:* Dates before January 1, 1970 are not supported.

## FUNCTIONS

*Definition:* A pre-written block of code that performs a specific task. Some functions return values; others perform a task like sorting, but return no value. Function names follow the same rules as variables names. There may or may not be an argument or parameter in the parenthesis, but the parenthesis has to be there.

User-defined Functions:

*Example:*

```
parseInt() or parseFloat() convert a string to a number.
```

To create a function:

*Format:*

```
function name_of_function (arguments) {
    statements to execute when
    function is called;
}
```

*Example:*

```
function kilosToPounds (){
    pounds=kilos*2.2046;
}
```

This new function takes the value of the variable kilos, multiplies it by 2.2046, and assigns the result to the variable pounds.

To call a function: Give the name of the function followed by its arguments, if any

```
parseInt(X); converts the data stored in the variable X into a numeric value.
kilosToPounds(17); converts 17 kilos to the same mass in pounds, returning the value 37.4782.
```

## METHODS

*Definition:* A special kind of function used to describe or instruct the way the object behaves. Each object type in JavaScript has associated methods available.

*Examples:*

```
array.sort();
document.write();
string.length();
```

*Calling:* To call or use a method, state the method name followed by its parameters in parentheses.

*Example:*

```
document.write("Hello, world!");
```

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## PUTTING IT TOGETHER: JAVASCRIPT AND HTML ON THE WEB

**Cookies:** Text-file messages stored by the browser on the user's computer

*Purpose:* To identify the user, store preferences, and present customized information each time the user visits the page

*Types:*

*Temporary* (transient, session) — stored in temporary memory and available only during active browser session

*Persistent* (permanent, stored) — remain on user's computer until deleted or expired

**Browser Detection:** A script written to determine which browser is running; determine if the browser has the capabilities to load the webpage and support the javascript code; and, if needed, load alternate javascript code to match the browser and platform.

**Sniffing:** A script written to determine whether a specific browser feature is present; i.e., detecting the presence of Flash before loading a webpage.

**Event Handling:** Use HTML event attributes (mouseover, mouse click, etc.) and connect event to a JavaScript function called an event handler



## OPERATORS

### ARITHMETIC

+	addition	adds two numbers
-	subtraction	subtracts one number from another
*	multiplication	multiplies two numbers
/	division	divides one number by another
%	modulus	returns the integer remainder after dividing two numbers
++	increment	adds one to a numeric variable
--	decrement	subtracts one from a numeric variable

### STRING

+	concatenation	concatenates or joins two strings or other elements
+=	concatenation/assignment	concatenates two string variables and assigns the result to the first variable

### LOGICAL

&&	logical AND	Compares two operands; returns true if both are true, otherwise returns false
	logical OR	Compares two operands; returns true if either operand is true, otherwise returns false
!	logical NOT	Returns false if its operand can be converted to true, otherwise returns false

## COMPARISON

==	Returns true if the operands are equal
!=	Returns true if the operands are not equal
===	Returns true if the operands are equal and the same data type
!==	Returns true if the operands are not equal and/or not the same data type
>	Returns true if the first operand is greater than the second
>=	Returns true if the first operand is greater than or equal to the second
<	Returns true if the first operand is less than the second
<=	Returns true if the first operand is less than or equal to the second

## ASSIGNMENT

=	Assigns the value of the second operand to the first operand
+=	Adds two numeric operands and assigns the result to the first operand
-=	Subtracts the second operand from the first, and assigns the result to the first
*=	Multiplies two operands, assigns the result to the first
/=	Divides the first operand by the second, assigns the result to the first
%=	Finds the modulus of two numeric operands, and assigns the result to the first

## RESERVED WORDS

abstract	else	instanceof	switch
boolean	enum	int	synchronized
break	export	interface	this
byte	extends	long	throw
case	false	native	throws
catch	final	new	transient
char	finally	null	true
class	float	package	try
const	for	private	typeof
continue	function	protected	var
debugger	goto	public	void
default	if	return	volatile
delete	implements	short	while
do	import	static	with
double	in	super	





<p><b>String Functions</b></p> <p><b>Exact Numerics</b></p> <table border="1"> <tr><td>bit</td><td>decimal</td></tr> <tr><td>tinyint</td><td>money</td></tr> <tr><td>smallint</td><td>numeric</td></tr> <tr><td>bigint</td><td></td></tr> </table> <p><b>Approximate Numerics</b></p> <table border="1"> <tr><td>float</td><td>real</td></tr> </table> <p><b>Date and Time</b></p> <table border="1"> <tr><td>smalldatetime</td><td>timestamp</td></tr> <tr><td>datetime</td><td></td></tr> </table> <p><b>Strings</b></p> <table border="1"> <tr><td>char</td><td>text</td></tr> <tr><td>varchar</td><td></td></tr> </table> <p><b>Unicode Strings</b></p> <table border="1"> <tr><td>nchar</td><td>ntext</td></tr> <tr><td>nvarchar</td><td></td></tr> </table> <p><b>Binary Strings</b></p> <table border="1"> <tr><td>binary</td><td>image</td></tr> <tr><td>varbinary</td><td></td></tr> </table> <p><b>Miscellaneous</b></p> <table border="1"> <tr><td>cursor</td><td>table</td></tr> <tr><td>sql_variant</td><td>xml</td></tr> </table>	bit	decimal	tinyint	money	smallint	numeric	bigint		float	real	smalldatetime	timestamp	datetime		char	text	varchar		nchar	ntext	nvarchar		binary	image	varbinary		cursor	table	sql_variant	xml	<p><b>Date Functions</b></p> <p>DATEADD (datepart, number, date) DATEDIFF (datepart, start, end) DATENAME (datepart, date) DATEPART (datepart, date) DAY (date) GETDATE() GETUTCDATE() MONTH (date) YEAR (date)</p>	<p><b>Create a Stored Procedure</b></p> <pre>CREATE PROCEDURE name     @variable AS datatype = value AS     -- Comments     SELECT * FROM table GO</pre>								
bit	decimal																																							
tinyint	money																																							
smallint	numeric																																							
bigint																																								
float	real																																							
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varchar																																								
nchar	ntext																																							
nvarchar																																								
binary	image																																							
varbinary																																								
cursor	table																																							
sql_variant	xml																																							
<p><b>Type Conversion</b></p> <p>CAST (expression AS datatype) CONVERT (datatype, expression)</p>	<p><b>Dateparts</b></p> <table border="1"> <tr><td>Year</td><td>yy, yyyy</td></tr> <tr><td>Quarter</td><td>qq, q</td></tr> <tr><td>Month</td><td>mm, m</td></tr> <tr><td>Day of Year</td><td>dy, y</td></tr> <tr><td>Day</td><td>dd, d</td></tr> <tr><td>Week</td><td>wk, ww</td></tr> <tr><td>Hour</td><td>hh</td></tr> <tr><td>Minute</td><td>mi, n</td></tr> <tr><td>Second</td><td>ss, s</td></tr> <tr><td>Millisecond</td><td>ms</td></tr> </table>	Year	yy, yyyy	Quarter	qq, q	Month	mm, m	Day of Year	dy, y	Day	dd, d	Week	wk, ww	Hour	hh	Minute	mi, n	Second	ss, s	Millisecond	ms	<p><b>Create a Trigger</b></p> <pre>CREATE TRIGGER name ON     table FOR     DELETE, INSERT, UPDATE AS     -- Comments     SELECT * FROM table GO</pre>																		
Year	yy, yyyy																																							
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Second	ss, s																																							
Millisecond	ms																																							
<p><b>Ranking Functions</b></p> <table border="1"> <tr><td>RANK</td><td>NTILE</td></tr> <tr><td>DENSE_RANK</td><td>ROW_NUMBER</td></tr> </table>	RANK	NTILE	DENSE_RANK	ROW_NUMBER	<p><b>Mathematical Functions</b></p> <table border="1"> <tr><td>ABS</td><td>LOG10</td></tr> <tr><td>ACOS</td><td>PI</td></tr> <tr><td>ASIN</td><td>POWER</td></tr> <tr><td>ATAN</td><td>RADIANS</td></tr> <tr><td>ATN2</td><td>RAND</td></tr> <tr><td>CEILING</td><td>ROUND</td></tr> <tr><td>COS</td><td>SIGN</td></tr> <tr><td>COT</td><td>SIN</td></tr> <tr><td>DEGREES</td><td>SQUARE</td></tr> <tr><td>EXP</td><td>SQRT</td></tr> <tr><td>FLOOR</td><td>TAN</td></tr> <tr><td>LOG</td><td></td></tr> </table>	ABS	LOG10	ACOS	PI	ASIN	POWER	ATAN	RADIANS	ATN2	RAND	CEILING	ROUND	COS	SIGN	COT	SIN	DEGREES	SQUARE	EXP	SQRT	FLOOR	TAN	LOG		<p><b>Create a View</b></p> <pre>CREATE VIEW name AS     -- Comments     SELECT * FROM table GO</pre>										
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<p><b>Grouping (Aggregate) Functions</b></p> <table border="1"> <tr><td>AVG</td><td>MAX</td></tr> <tr><td>BINARY_CHECKSUM</td><td>MIN</td></tr> <tr><td>CHECKSUM</td><td>SUM</td></tr> <tr><td>CHECKSUM_AVG</td><td>STDEV</td></tr> <tr><td>COUNT</td><td>STDEVP</td></tr> <tr><td>COUNT_BIG</td><td>VAR</td></tr> <tr><td>GROUPING</td><td>VARP</td></tr> </table>	AVG	MAX	BINARY_CHECKSUM	MIN	CHECKSUM	SUM	CHECKSUM_AVG	STDEV	COUNT	STDEVP	COUNT_BIG	VAR	GROUPING	VARP	<p><b>String Functions</b></p> <table border="1"> <tr><td>ASCII</td><td>REPLICATE</td></tr> <tr><td>CHAR</td><td>REVERSE</td></tr> <tr><td>CHARINDEX</td><td>RIGHT</td></tr> <tr><td>DIFFERENCE</td><td>RTRIM</td></tr> <tr><td>LEFT</td><td>SOUNDEX</td></tr> <tr><td>LEN</td><td>SPACE</td></tr> <tr><td>LOWER</td><td>STR</td></tr> <tr><td>LTRIM</td><td>STUFF</td></tr> <tr><td>NCHAR</td><td>SUBSTRING</td></tr> <tr><td>PATINDEX</td><td>UNICODE</td></tr> <tr><td>REPLACE</td><td>UPPER</td></tr> <tr><td>QUOTENAME</td><td></td></tr> </table>	ASCII	REPLICATE	CHAR	REVERSE	CHARINDEX	RIGHT	DIFFERENCE	RTRIM	LEFT	SOUNDEX	LEN	SPACE	LOWER	STR	LTRIM	STUFF	NCHAR	SUBSTRING	PATINDEX	UNICODE	REPLACE	UPPER	QUOTENAME		<p><b>Create an Index</b></p> <pre>CREATE UNIQUE INDEX name ON     table (columns)</pre>
AVG	MAX																																							
BINARY_CHECKSUM	MIN																																							
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<p><b>Table Functions</b></p> <table border="1"> <tr><td>ALTER</td><td>DROP</td></tr> <tr><td>CREATE</td><td>TRUNCATE</td></tr> </table>	ALTER	DROP	CREATE	TRUNCATE		<p><b>Create a Function</b></p> <pre>CREATE FUNCTION name     (@variable datatype(length)) RETURNS     datatype(length) AS BEGIN     DECLARE @return datatype(length)     SELECT @return = CASE @variable         WHEN 'a' THEN 'return a'         WHEN 'b' THEN 'return b'         ELSE 'return c'     RETURN @return END</pre>																																		
ALTER	DROP																																							
CREATE	TRUNCATE																																							

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**Mathematical**

- ABS
- SIGN
- MOD
- FLOOR
- CEILING
- ROUND
- DIV
- EXP
- LN
- LOG, LOG2, LOG10
- POWER
- SQRT
- PI
- COS
- SIN
- TAN
- ACOS
- ASIN
- ATAN, ATAN2
- COT
- RAND
- LEAST
- GREATEST
- DEGREES
- RADIANS
- TRUNCATE
- Date and Time**
- DAYOFWEEK
- WEEKDAY
- DAYOFMONTH
- DAYOFYEAR
- MONTH
- DAYNAME
- MONTHNAME
- QUARTER
- WEEK
- YEAR
- YEARWEEK
- HOUR
- MINUTE
- SECOND
- PERIOD\_ADD
- PERIOD\_DIFF
- DATE\_ADD
- DATE\_SUB
- ADDDATE
- SUBDATE
- EXTRACT
- TO\_DAYS
- FROM\_DAYS
- DATE\_FORMAT
- TIME\_FORMAT
- CURRENT\_DATE
- CURRENT\_TIME
- NOW
- SYSDATE
- UNIX\_TIMESTAMP
- FROM\_UNIXTIME
- SEC\_TO\_TIME
- TIME\_TO\_SEC
- Group**
- COUNT
- AVG
- MIN
- MAX
- SUM
- GROUP\_CONCAT
- VARIANCE
- STD
- STDDEV
- BIT\_OR
- BIT\_AND



**Control Flow**

- IFNULL
- NULLIF
- IF

**String**

- ASCII
- ORD
- CONV
- BIN, OCT, HEX
- CHAR
- CONCAT
- CONCAT\_WS
- LENGTH
- CHAR\_LENGTH
- BIT\_LENGTH
- LOCATE
- INSTR
- LPAD
- RPAD
- LEFT
- RIGHT
- SUBSTRING
- MID
- SUBSTRING\_INDEX
- LTRIM
- RTRIM
- TRIM
- SOUNDEX
- SPACE
- REPLACE
- REPEAT
- REVERSE
- INSERT
- ELT
- FIELD
- LCASE
- UCASE
- LOAD\_FILE
- QUOTE

DATA TYPES	MYSQL FUNCTIONS IN PHP
CHAR String, length 0 - 255	mysql_affected_rows
VARCHAR String, length 0 - 255	mysql_close
TINYTEXT String, length 0 - 255	mysql_connect
TEXT String, length 0 - 65535	mysql_data_seek
BLOB String, length 0 - 65535	mysql_db_name
MEDIUMTEXT String, length 0 - 16777215	mysql_errno
MEDIUMBLOB String, length 0 - 16777215	mysql_error
LONGTEXT String, length 0 - 4294967295	mysql_fetch_array
LOBLOB String, length 0 - 4294967295	mysql_fetch_assoc
* TINYINT Integer, -128 to 127	mysql_fetch_field
* SMALLINT Integer, -32768 to 32767	mysql_fetch_lengths
* MEDIUMINT Integer, -8388608 to 8388607	mysql_fetch_object
* INT Integer, -2147483648 to 2147483647	mysql_fetch_row
* BIGINT Int, -9223372036854775808 to 9223372036854775807	mysql_field_flags
Float Decimal (precise to 23 digits)	mysql_field_len
DOUBLE Decimal (24 to 53 digits)	mysql_field_name
DECIMAL "DOUBLE" stored as string	mysql_field_seek
DATE YYYY-MM-DD	mysql_field_table
DATETIME YYYY-MM-DD HH:MM:SS	mysql_field_type
TIMESTAMP YYYYMMDDHHMMSS	mysql_free_result
TIME HH:MM:SS	mysql_insert_id
ENUM One of preset options	mysql_list_dbs
SET Selection of preset options	mysql_list_processes
	mysql_list_tables
	mysql_num_fields
	mysql_num_rows
	mysql_pconnect
	mysql_query
	mysql_real_escape_string
	mysql_select_db
* Note: "UNSIGNED" TINYINT, SMALLINT, MEDIUMINT, INT, BIGINT have the same range of values but start at 0, e.g. TINYINT UNSIGNED is between 0 and 255.	

**Comparison**

- STRCMP
- Cast**
- CAST
- CONVERT

SAMPLE SELECT QUERIES	
SELECT * FROM tablename	# Returns all columns
SELECT column FROM tablename	# Returns specific column
SELECT COUNT(*) FROM tablename	# Returns number of rows
SELECT SUM(column) FROM tablename	# Returns sum of column
SELECT DISTINCT column FROM tablename	# Returns unique values of column
SELECT * FROM tablename WHERE condition	# Returns rows that match condition
SELECT * FROM tablename WHERE BINARY condition	# Condition is case-sensitive
SELECT * FROM table1 INNER JOIN table2 on table1.id = table2.id	# Join two tables, return all columns
SELECT table1.* FROM table1 INNER JOIN table2 on table1.id = table2.id	# Only return columns from table1
SELECT LAST_INSERT_ID() as new_id	# Returns ID of last created row
SELECT max(column) AS alias	# Return maximum value in column as "alias"
SELECT * FROM table ORDER BY column	# Return all rows ordering by column
SELECT * FROM table LIMIT 10, 20	# Return first 20 rows after row 10

**Other**

- BIT\_COUNT
- DATABASE
- USER
- SYSTEM\_USER
- SESSION\_USER
- CURRENT\_USER
- PASSWORD
- OLD\_PASSWORD
- ENCRYPT
- DECODE
- MD5
- SHA1
- AES\_ENCRYPT
- AES\_DECRYPT
- DES\_ENCRYPT
- DES\_DECRYPT
- LAST\_INSERT\_ID
- FORMAT
- VERSION
- CONNECTION\_ID
- GET\_LOCK
- RELEASE\_LOCK
- IS\_FREE\_LOCK
- BENCHMARK
- INET\_NTOA
- INET\_ATON
- FOUND\_ROWS

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Array Functions	Regular Expression Functions	Date Formatting
array_diff (arr1, arr2 ...)	ereg (pattern, str)	Y 4 digit year (2008)
array_filter (arr, function)	split (pattern, str)	y 2 digit year (08)
array_flip (arr)	ereg_replace (pattern, replace, str)	F Long month (January)
array_intersect (arr1, arr2 ...)	preg_grep (pattern, arr)	M Short month (Jan)
array_merge (arr1, arr2 ...)	preg_match (pattern, str)	m Month * (01 to 12)
array_pop (arr)	preg_match_all (pattern, str, arr)	n Month (1 to 12)
array_push (arr, var1, var2 ...)	preg_replace (pattern, replace, str)	D Short day name (Mon)
array_reverse (arr)	preg_split (pattern, str)	l Long day name (Monday) (lowercase L)
array_search (needle, arr)		d Day * (01 to 31)
array_walk (arr, function)		j Day (1 to 31)
count (count)		
in_array (needle, haystack)		
	<b>Regular Expressions Syntax</b>	
	^ Start of string	h 12 Hour * (01 to 12)
	\$ End of string	g 12 Hour (1 to 12)
	. Any single character	H 24 Hour * (00 to 23)
	(a b) a or b	G 24 Hour (0 to 23)
	(...) Group section	i Minutes * (00 to 59)
	[abc] Item in range (a, b or c)	s Seconds * (00 to 59)
	[^abc] Not in range (not a, b or c)	
	\s White space	w Day of week <sup>1</sup> (0 to 6)
	a? Zero or one of a	z Day of year (0 to 365)
	a* Zero or more of a	W Week of year <sup>2</sup> (1 to 53)
	a*? Zero or more of a, ungreedy	t Days in month (28 to 31)
	a+ One or more of a	a am or pm
	a+? One or more of a, ungreedy	A AM or PM
	a{3} Exactly 3 of a	B Swatch Internet Time (000 to 999)
	a{3,} 3 or more of a	S Ordinal Suffix (st, nd, rd, th)
	a{,6} Up to 6 of a	
	a{3,6} 3 to 6 of a	T Timezone of machine (GMT)
	a{3,6}? 3 to 6 of a, ungreedy	Z Timezone offset (seconds)
	\ Escape character	O Difference to GMT (hours) (e.g., +0200)
	[:punct:] Any punctuation symbol	I Daylight saving (1 or 0)
	[:space:] Any space character	L Leap year (1 or 0)
	[:blank:] Space or tab	
		U Seconds since Epoch <sup>3</sup>
		c ISO 8601 (PHP 5)
		2008-07-31T18:30:13+01:00
		r RFC 2822
		Thu, 31 Jul 2008 18:30:13 +0100
		1. 0 is Sunday, 6 is Saturday.
		2. Week that overlaps two years belongs to year that contains most days of that week. Hence week number for 1st January of a given year can be 53 if week belongs to previous year. date("W", mktime(0, 0, 0, 12, 8, \$year)) always gives correct number of weeks in \$year.
		3. The Epoch is the 1st January 1970.
		4. With leading zeroes
<b>String Functions</b>		
crypt (str, salt)		
explode (sep, str)		
implode (glue, arr)		
nl2br (str)		
sprintf (fmt, args)		
strip_tags (str, allowed_tags)		
str_replace (search, replace, str)		
strpos (str, needle)		
strrev (str)		
strstr (str, needle)		
strtolower (str)		
strtoupper (str)		
substr (string, start, len)		
	<b>PCRE Modifiers</b>	
	i Case-insensitive	
	s Period matches newline	
	m ^ and \$ match lines	
	U Ungreedy matching	
	e Evaluate replacement	
	x Pattern over several lines	
	<b>Date and Time Functions</b>	
	checkdate (month, day, year)	
	date (format, timestamp)	
	getdate (timestamp)	
	mktime (hr, min, sec, month, day, yr)	
	strftime (formatstring, timestamp)	
	strtotime (str)	
	time ()	
<b>Filesystem Functions</b>		
clearstatcache ()		
copy (source, dest)		
fclose (handle)		
fgets (handle, len)		
file (file)		
filemtime (file)		
filesize (file)		
file_exists (file)		
fopen (file, mode)		
fread (handle, len)		
fwrite (handle, str)		
readfile (file)		
<b>fopen() Modes</b>		
r Read		
r+ Read and write, prepend		
w Write, truncate		
w+ Read and write, truncate		
a Write, append		
a+ Read and write, append		

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### sys Variables

argv	Command line args
builtin_module_names	Linked C modules
byteorder	Native byte order
check_interval	Signal check frequency
exec_prefix	Root directory
executable	Name of executable
exitfunc	Exit function name
modules	Loaded modules
path	Search path
platform	Current platform
stdin, stdout, stderr	File objects for I/O
version_info	Python version info
winver	Version number

### sys.argv for \$ python foo.py bar -c qux --h

sys.argv[0]	foo.py
sys.argv[1]	bar
sys.argv[2]	-c
sys.argv[3]	qux
sys.argv[4]	--h

### os Variables

altsep	Alternative sep
curdir	Current dir string
defpath	Default search path
devnull	Path of null device
extsep	Extension separator
linesep	Line separator
name	Name of OS
pardir	Parent dir string
pathsep	Path separator
sep	Path separator

**Note** Registered OS names: "posix", "nt", "mac", "os2", "ce", "java", "riscos"

### Class Special Methods

__new__(cls)	__lt__(self, other)
__init__(self, args)	__le__(self, other)
__del__(self)	__gt__(self, other)
__repr__(self)	__ge__(self, other)
__str__(self)	__eq__(self, other)
__cmp__(self, other)	__ne__(self, other)
__index__(self)	__nonzero__(self)
__hash__(self)	
__getattr__(self, name)	
__getattribute__(self, name)	
__setattr__(self, name, attr)	
__delattr__(self, name)	
__call__(self, args, kwargs)	

### String Methods

capitalize() *	rstrip()
center(width)	partition(sep)
count(sub, start, end)	replace(old, new)
decode()	rfind(sub, start, end)
encode()	rindex(sub, start, end)
endswith(sub)	rjust(width)
expandtabs()	rpartition(sep)
find(sub, start, end)	rsplit(sep)
index(sub, start, end)	rstrip()
isalnum() *	split(sep)
isalpha() *	splitlines()
isdigit() *	startswith(sub)
islower() *	strip()
isspace() *	swapcase() *
istitle() *	title() *
isupper() *	translate(table)
join()	upper() *
ljust(width)	zfill(width)
lower() *	

**Note** Methods marked \* are locale dependant for 8-bit strings.

### List Methods

append(item)	pop(position)
count(item)	remove(item)
extend(list)	reverse()
index(item)	sort()
insert(position, item)	

### File Methods

close()	readlines(size)
flush()	seek(offset)
fileno()	tell()
isatty()	truncate(size)
next()	write(string)
read(size)	writelines(list)
readline(size)	

### Indexes and Slices (of a=[0,1,2,3,4,5])

len(a)	6
a[0]	0
a[5]	5
a[-1]	5
a[-2]	4
a[1:]	[1,2,3,4,5]
a[:5]	[0,1,2,3,4]
a[:-2]	[0,1,2,3]
a[1:3]	[1,2]
a[1:-1]	[1,2,3,4]
b=a[:]	Shallow copy of a

### Datetime Methods

today()	fromordinal(ordinal)
now(timezoneinfo)	combine(date, time)
utcnow()	strptime(date, format)
fromtimestamp(timestamp)	
utcfromtimestamp(timestamp)	

### Time Methods

replace()	utcoffset()
isoformat()	dst()
__str__()	tzname()
strftime(format)	

### Date Formatting (strftime and strptime)

%a	Abbreviated weekday (Sun)
%A	Weekday (Sunday)
%b	Abbreviated month name (Jan)
%B	Month name (January)
%c	Date and time
%d	Day (leading zeros) (01 to 31)
%H	24 hour (leading zeros) (00 to 23)
%I	12 hour (leading zeros) (01 to 12)
%j	Day of year (001 to 366)
%m	Month (01 to 12)
%M	Minute (00 to 59)
%p	AM or PM
%S	Second (00 to 61*)
%U	Week number <sup>1</sup> (00 to 53)
%w	Weekday <sup>2</sup> (0 to 6)
%W	Week number <sup>3</sup> (00 to 53)
%x	Date
%X	Time
%y	Year without century (00 to 99)
%Y	Year (2008)
%Z	Time zone (GMT)
%%	A literal "%" character (%)

1. Sunday as start of week. All days in a new year preceding the first Sunday are considered to be in week 0.
2. 0 is Sunday, 6 is Saturday.
3. Monday as start of week. All days in a new year preceding the first Monday are considered to be in week 0.
4. This is not a mistake. Range takes account of leap and double-leap seconds.

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Anchors		Quantifiers		Groups and Ranges	
^	Start of string	*	0 or more	.	Any character except new line (\n)
\A	Start of string	+	1 or more	(a b)	a or b
\$	End of string	?	0 or 1	(...)	Group
\Z	End of string	{3}	Exactly 3	(?:...)	Passive Group
\b	Word boundary	{3,}	3 or more	[abc]	Range (a or b or c)
\B	Not word boundary	{3,5}	3, 4 or 5	[^abc]	Not a or b or c
\<	Start of word	<b>Quantifier Modifiers</b>		[a-q]	Letter between a and q
\>	End of word	"x" below represents a quantifier		[A-Q]	Upper case letter between A and Q
<b>Character Classes</b>		x? Ungreedy version of "x"		[0-7]	Digit between 0 and 7
\c	Control character	<b>Escape Character</b>		\n	nth group/subpattern
\s	White space	\ Escape Character		<i>Note: Ranges are inclusive.</i>	
\S	Not white space	<b>Metacharacters (must be escaped)</b>		<b>Pattern Modifiers</b>	
\d	Digit	^	[	.	g Global match
\D	Not digit	\$	{	*	i Case-insensitive
\w	Word	(	\	+	m Multiple lines
\W	Not word	)		?	s Treat string as single line
\x	Hexadecimal digit	<	>		x Allow comments and white space in pattern
\O	Octal digit			e	Evaluate replacement
				U	Ungreedy pattern
<b>POSIX</b>		<b>Special Characters</b>		<b>String Replacement (Backreferences)</b>	
[:upper:]	Upper case letters	\n	New line	\$n	nth non-passive group
[:lower:]	Lower case letters	\r	Carriage return	\$2	"xyz" in /^(abcxyz)\$/
[:alpha:]	All letters	\t	Tab	\$1	"xyz" in /^(?:abc)(xyz)\$/
[:alnum:]	Digits and letters	\v	Vertical tab	\$`	Before matched string
[:digit:]	Digits	\f	Form feed	\$'	After matched string
[:xdigit:]	Hexadecimal digits	\xxx	Octal character xxx	\$+	Last matched string
[:punct:]	Punctuation	\xhh	Hex character hh	\$&	Entire matched string
[:blank:]	Space and tab	<b>Sample Patterns</b>			
[:space:]	Blank characters	<i>Pattern</i>		<i>Will Match</i>	
[:cntrl:]	Control characters	([A-Za-z0-9-]+)		Letters, numbers and hyphens	
[:graph:]	Printed characters	(\d{1,2}\V\d{1,2}\V\d{4})		Date (e.g. 21/3/2006)	
[:print:]	Printed characters and spaces	([^\s]+(?:=\.(jpg gif png)))\.\2)		jpg, gif or png image	
[:word:]	Digits, letters and underscore	(^[1-9]{1}\$ ^[1-4]{1}[0-9]{1}\$ ^50\$)		Any number from 1 to 50 inclusive	
		(#[A-Fa-f0-9]{3}([A-Fa-f0-9]{3})?)		Valid hexadecimal colour code	
		((?=[*\d])(?=[*a-z])(?=[*A-Z]).{8,15})		String with at least one upper case letter, one lower case letter, and one digit (useful for passwords).	
		(\w+@[a-zA-Z_]+?\.[a-zA-Z]{2,6})		Email addresses	
		(\<(\/?[\^>]+)\>)		HTML Tags	
<b>Assertions</b>		<i>Note: These patterns are intended for reference purposes and have not been extensively tested. Please use with caution and test thoroughly before use.</i>			
?=	Lookahead assertion				
?!	Negative lookahead				
?<=	Lookbehind assertion				
?!= or ?<!	Negative lookbehind				
?>	Once-only Subexpression				
?()	Condition [if then]				
?()	Condition [if then else]				
?#	Comment				



Anchors		Sample Patterns	
<code>^</code>	Start of line +	<code>([A-Za-z0-9-]+)</code>	Letters, numbers and hyphens
<code>\A</code>	Start of string +	<code>(\d{1,2}\d{1,2}\d{4})</code>	Date (e.g. 21/3/2006)
<code>\$</code>	End of line +	<code>([\^\s]+(?:\.(\jpg gif png)))\.\2)</code>	jpg, gif or png image
<code>\Z</code>	End of string +	<code>(^[1-9]{1}\$ ^[1-4]{1}[0-9]{1}\$ ^50\$)</code>	Any number from 1 to 50 inclusive
<code>\b</code>	Word boundary +	<code>(#?([A-Fa-f0-9]){3}([A-Fa-f0-9]){3})?</code>	Valid hexadecimal colour code
<code>\B</code>	Not word boundary +	<code>((?=\.*\d)(?=\.*[a-z])(?=\.*[A-Z]).{8,15})</code>	8 to 15 character string with at least one upper case letter, one lower case letter, and one digit (useful for passwords).
<code>\&lt;</code>	Start of word		
<code>\&gt;</code>	End of word		

### Character Classes

<code>\c</code>	Control character
<code>\s</code>	White space
<code>\S</code>	Not white space
<code>\d</code>	Digit
<code>\D</code>	Not digit
<code>\w</code>	Word
<code>\W</code>	Not word
<code>\xhh</code>	Hexadecimal character hh
<code>\Oxxx</code>	Octal character xxx

### POSIX Character Classes

<code>[:upper:]</code>	Upper case letters
<code>[:lower:]</code>	Lower case letters
<code>[:alpha:]</code>	All letters
<code>[:alnum:]</code>	Digits and letters
<code>[:digit:]</code>	Digits
<code>[:xdigit:]</code>	Hexadecimal digits
<code>[:punct:]</code>	Punctuation
<code>[:blank:]</code>	Space and tab
<code>[:space:]</code>	Blank characters
<code>[:cntrl:]</code>	Control characters
<code>[:graph:]</code>	Printed characters
<code>[:print:]</code>	Printed characters and spaces
<code>[:word:]</code>	Digits, letters and underscore

### Assertions

<code>?=</code>	Lookahead assertion +
<code>?!</code>	Negative lookahead +
<code>?&lt;=</code>	Lookbehind assertion +
<code>?!= or ?&lt;!</code>	Negative lookbehind +
<code>?&gt;</code>	Once-only Subexpression
<code>?()</code>	Condition [if then]
<code>?() </code>	Condition [if then else]
<code>?#</code>	Comment

**Note** Items marked + should work in most regular expression implementations.

<code>(\w+@[a-zA-Z_]+?\.[a-zA-Z]{2,6})</code>	Email addresses
<code>(\&lt;/?[^\&gt;]+\&gt;)</code>	HTML Tags

**Note** These patterns are intended for reference purposes and have not been extensively tested. Please use with caution and test thoroughly before use.

### Quantifiers

<code>*</code>	0 or more +
<code>*?</code>	0 or more, ungreedy +
<code>+</code>	1 or more +
<code>+?</code>	1 or more, ungreedy +
<code>?</code>	0 or 1 +
<code>??</code>	0 or 1, ungreedy +
<code>{3}</code>	Exactly 3 +
<code>{3,}</code>	3 or more +
<code>{3,5}</code>	3, 4 or 5 +
<code>{3,5}?</code>	3, 4 or 5, ungreedy +

### Special Characters

<code>\</code>	Escape Character +
<code>\n</code>	New line +
<code>\r</code>	Carriage return +
<code>\t</code>	Tab +
<code>\v</code>	Vertical tab +
<code>\f</code>	Form feed +
<code>\a</code>	Alarm
<code>[\b]</code>	Backspace
<code>\e</code>	Escape
<code>\N{name}</code>	Named Character

### String Replacement (Backreferences)

<code>\$n</code>	nth non-passive group
<code>\$2</code>	"xyz" in /^(abc(xyz))\$/
<code>\$1</code>	"xyz" in /^(?:abc)(xyz)\$/
<code>\$`</code>	Before matched string
<code>\$'</code>	After matched string
<code>\$+</code>	Last matched string
<code>\$&amp;</code>	Entire matched string
<code>\$_</code>	Entire input string
<code>\$\$</code>	Literal "\$"

### Ranges

<code>.</code>	Any character except new line (\n) +
<code>(a b)</code>	a or b +
<code>(...)</code>	Group +
<code>(?:...)</code>	Passive Group +
<code>[abc]</code>	Range (a or b or c) +
<code>[^abc]</code>	Not a or b or c +
<code>[a-q]</code>	Letter between a and q +
<code>[A-Q]</code>	Upper case letter + between A and Q +
<code>[0-7]</code>	Digit between 0 and 7 +
<code>\n</code>	nth group/subpattern +

**Note** Ranges are inclusive.

### Pattern Modifiers

<code>g</code>	Global match
<code>i</code>	Case-insensitive
<code>m</code>	Multiple lines
<code>s</code>	Treat string as single line
<code>x</code>	Allow comments and white space in pattern
<code>e</code>	Evaluate replacement
<code>U</code>	Ungreedy pattern

### Metacharacters (must be escaped)

<code>^</code>	<code>[</code>	<code>.</code>
<code>\$</code>	<code>{</code>	<code>*</code>
<code>(</code>	<code>\</code>	<code>+</code>
<code>)</code>	<code> </code>	<code>?</code>
<code>&lt;</code>	<code>&gt;</code>	

Available free from  
AddedBytes.com

```

iCalendar
-----
BEGIN:VCALENDAR
BEGIN:VEVENT
UID:guid-1.host1.com
DTSTAMP:19980309T231000Z
DESCRIPTION:Project XYZ Meeting
SUMMARY:XYZ Project Review
DTSTART:19980312T133000Z
DTEND:19980312T143000Z
LOCATION:1CP Conference Room 4350
END:VEVENT
END:VCALENDAR
  
```

```

hCalendar
-----
<div class="vevent">
  <h3 class="summary">XYZ Project Review</h3>
  <p class="description">Project XYZ Meeting</p>
  <p><abbr class="dtstart" title="1998-03-12T08:30:00-05:00">12 March 1998, 8:30am EST</abbr> until <abbr class="dtend" title="1998-03-12T09:30:00-05:00">9:30am EST</abbr></p>
  <p>Location: <span class="location">1CP Conference Room 4350</span></p>
  <small>Booked by: <span class="uid">guid.host1.com</span> on <abbr class="dtstamp" title="19980309T231000Z">9 Mar 1998 6:00pm</abbr></small>
</div>
  
```

```

hReview
-----
<div class="hreview">
  <span><span class="rating">5</span> out of 5</span>
  <h3 class="summary">Review Summary</h3>
  <span class="reviewer vcard">By: <span class="fn">FirstName LastName</span> - <abbr class="dtreviewed" title="19700101T0100-0200">January 1, 1970</abbr></span>
  <div class="description">Review Text</div>
</div>
  
```

**Further Information and Specifications**

<http://microformats.org>

**Format Note**

Data is denoted in *italic green*.

```

vCard
-----
BEGIN:VCARD
VERSION:3.0
N:LastName;FirstName
FN:FirstName LastName
NICKNAME:NickName
TITLE:JobTitle
ORG:CompanyName;DepartmentName
TEL;type=WORK:WorkPhone
TEL;type=CELL:MobilePhone
TEL;type=HOME:HomePhone
EMAIL;type=INTERNET;type=WORK:WorkEmail
EMAIL;type=INTERNET;type=HOME:HomeEmail
URL;type=HOME:http://www.url.com
BDAY;value=date:1970-01-01
END:VCARD
  
```

```

hCard
-----
<div class="vcard">
  <a class="url fn" href="http://www.url.com">FirstName LastName</a>
  <a class="email" href="mailto:...">email@domain.com</a>
  <div class="title">JobTitle</div>
  <div class="org">Company</div>
  <div class="adr">
    <span class="type">home</span> address:
    <div class="street-address">123 Fake Street</div>,
    <span class="locality">Town</span>,
    <span class="region">County/State</span>,
    <span class="postal-code">90210</span>.
    <div class="country-name">Country</div>
  </div>
</div>
  
```

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AddedBytes.com

```

RelLicense
-----
<a href="http://creativecommons.org/licenses/by/2.0/" rel="license">cc by 2.0</a>
  
```

```

RelTag
-----
<a href="http://technorati.com/tag/tagname" rel="tag">tagname</a>
  
```

```

XFN Format
-----
<a href="http://www.domain.com" rel="friend, met, colleague">Friend Name</a>
"friend, met, colleague" should be a comma-separated selection from the values below.
  
```

**XFN Values**

acquaintance	kin
child	me
co-resident	met
co-worker	muse
colleague	neighbor
contact	parent
crush	sibling
date	spouse
friend	sweetheart

**Dates: ISO 8601**

2006	2006
2006-01	January 2006
2006-01-15	15th January 2006
20060115	15th January 2006
2006-042	Day 42 of 2006
2006-W05	Week 5 of 2006
2006-W05-4	Thursday (day 4), Week 5, 2006
23:59:59	One second to midnight
235959	One second to midnight
23:59	One minute to midnight
23	11pm (23:00)
(DATE)T(TIME)	"T" separates date and time where both are present.
(DATETIME)Z	"Z" at end indicates UTC time.
0800-0500	Equivalent to 13:00 UTC. This means "08:00 in location where time zone if 5 hours behind UTC".



Subversion Components	
svn	Command line program
svnversion	Revision of working copy
svnlook	Inspect repository
svndumpfilter	Repository administration
svndumpfilter	Filter repository stream
mod_dav_svn	Apache module
svnserve	SVN server (SVN protocol)
svnsync	Mirror repository

Add Files or Folders	
\$ svn add *	Add all items in folder, and recurse (ignores versioned directories)
\$ svn add itemname	If itemname is folder, all subfolders and files will also be added
\$ svn add * --force	Force recurse into versioned directories

Commit Changes to Repository	
\$ svn commit "/path"	Commit changes to file or folder
\$ svn commit -m "Message" "/path"	Commit with message "Message"
\$ svn commit -N "/path"	Commit changes to folder without recurse

Subversion Protocols	
file://	Local machine
http://	HTTP (Apache)
https://	HTTPS (SSL)
svn://	SVN (svnserve)
svn+ssh://	SVN over SSH

Deleting, Copying and Moving	
\$ svn delete "/path"	
\$ svn -m "Deleting" delete "/path"	Deletes with message "Deleting"
\$ svn copy "sourcepath" "targetpath"	Copy source to target
\$ svn move "sourcepath" "targetpath"	Move source to target

Miscellaneous Commands (\$ svn ... )	
resolve "/path"	Resolve conflict
cleanup "/path"	Recursively remove locks and complete operations
lock "/path"	Lock path
unlock "/path"	Unlock path
cat "/path"	View file contents
status "/path"	Get path status

Subversion Help	
\$ svn help	
\$ svn help import	Show help for "import" command

Revert Local (Uncommitted) Changes	
\$ svn revert "/path/filename"	Reverts changes to file
\$ svn revert -R "/path/folder"	Reverts changes to folder recursively

Item and Property Statuses	
' '	No modifications
'A'	Addition
'D'	Deletion
'M'	Modified
'R'	Item replaced
'C'	In conflict
'X'	Externals definition
'I'	Ignored
'?'	Not in repository
'!	Item missing
'~'	Object type changed

**Note** The \$ symbol is used to denote commands to be typed.

Repository Administration	
\$ svnadmin create "/path/to/repository"	Create repository
\$ svnadmin setlog "path" -r 7 message.txt	Change log message for revision 7 of "path" to contents of message.txt
\$ svnadmin dump "repository" > filename	Dump contents of repository to file
\$ svnadmin load "repository" < filename	Load contents of file into repository

Logs and Blame	
\$ svn log "/path"	Show log messages from repository
\$ svn blame "/path"	Show commits with messages for path

Add Local Folder to Repository	
\$ svn import folder "/path/to/repository"	

Differences Between Files	
\$ svn diff "/path/file"	See what has changed in "/path/file"
\$ svn diff "/path/file@2" "/path/file@7"	Compares file in revisions 2 and 7
\$ svn diff -r 2:7 "/path/folder"	Compared all files in revisions 2 and 7

Property Commands (\$ svn ... )	
proplist "/path"	List properties
propset PROP VAL "/path"	Set property "PROP" to value "VAL"
propget PROP "/path"	Get value of "PROP"
propedit PROP "/path"	Edit "PROP"
propdel PROP "/path"	Delete "PROP"

Checkout Working Copy	
\$ svn checkout "/path/to/repository/folder"	Creates working copy of "folder"
\$ svn checkout "/path" foldername	Checkout into new folder "foldername"

Merge Changes	
\$ svn merge -r 2:7 "item" "/path/file"	Apply the diff between revisions 2 and 7 of "item" to "/path/file"
\$ svn merge "url1" "url2" "/path/file"	Apply the diff between "url1" and "url2" to "/path/file"

Update Working Copy from Repository	
\$ svn update "/path"	
\$ svn update -r9 "/path"	Update to revision 9

**Note** This cheat sheet is based in large part on the SVN book, free from: <http://svnbook.red-bean.com/>

Argument Shortcuts	
-m "Message"	--message
-q	--quiet
-v	--verbose
-r	--revision
-c	--change
-t	--transaction
-R	--recursive
-N	--non-recursive

Available free from [AddedBytes.com](http://www.addedbytes.com)