

# Assignment 2

Due November 4, 1:30pm

# Website

- You are creating a website for a fictional business which must sell some sort of product
- You can create any type of business
  - Paper
  - Ice cream
  - Pictures you've taken
- This is a business website, very different from a homepage.
  - Keep in mind when designing
- You will be using CSS for this assignment

# Products

- Your business must sell at 3 products
  - Can be 3 different color papers
  - 3 different pictures
  - 3 types of software
  - Basic, Deluxe, and Platinum car detailing services
- Even if you are not selling a tangible item (like paper), it's a good idea to have a picture which represents that item.
  - If your item is tangible, you really should have a picture for it
- Choose the business and products wisely
  - You will have an opportunity to build on this site in a future assignment

# Site Requirements

- You site must contain at least 3 pages
  - More is okay
- Each page must contain real content
  - A picture alone on a page is not content
  - Content includes information in the form of words, charts, etc.

# Setting up your Site

- Your files, like in assignment 1, should all be contained in a folder called assignment2
- Pictures should be in a subfolder of assignment2
- You should add a new link to index.html to point to the homepage of your business site.

# HTML Requirements

- HTML must validate XHTML1.0 **Strict**
  - Cannot use deprecated tags and attributes
  - Different file from assignment 1
- Please use the W3C validator
- Add the html it provides to the bottom of your page which is a hyperlink graphic to make it faster for us to validate your page
- HTML should be indented properly
- Use sensible names for classes and identifiers

# CSS

- CSS files must validate with the CSS validator from W3C
- You will be creating 2 external style sheets for this assignment
- You will design your site using one style sheet
- Once that is done, you will then modify the first style sheet and save it as a separate file
  - You should produce two very different websites
  - See the examples from October 7 on the lecture page
    - HTML in all 4 files is identical, only the style sheet has changed

# CSS, cont

- You must have 2 external style sheets when you are done
  - Just ONE set of .html files
- You must give titles to your style sheets
- You will add the first style sheet like we've done in class, then add a second style sheet as an "alternative stylesheet"
- We can view both with Firefox



# Alternate Style Sheets

```
<link rel = "stylesheet" href = "green.css" type = "text/css"  
title = "green"/>
```

```
<link rel = "alternative stylesheet" href = "blue.css" type =  
"text/css" title = "blue"/>
```

- To view the alternate style sheet in Firefox
  - View-> page style -> title
- BOTH of these lines will go into your html file
- Your titles should be appropriate for your site

# CSS, cont.

- When writing your style sheet, keep related items together
  - All selectors dealing with lists should follow one another on the page
  - All border properties should follow one another in the rule
    - Ex. 

```
div#sidebar {  
    border-style: solid;  
    border-color: gray;  
  
    padding: 10px;  
    margin: auto;  
}
```

# Other Requirements

- You must create a company/business logo
  - Can be some graphic you design
  - Can be the name of the company written in an interesting font, or several fonts
    - You should still make an image even if the logo is just text
      - Not all people will have the same fonts installed
      - This ensures they can see it
- You cannot use tables for layout
  - Only **tabular** data can go in tables
  - Use CSS instead

# Tips

- When using thumbnails, do not make the link just to the picture
  - Make a separate .html file for the picture
  - Should have the same/similar layout as the rest of your pages
  - Should have product information
- If you have long pages of information, use fragments and a navigation system to let the users “jump” to the portion of the page they care about

# Colors and Creativity

- Use appropriate colors for you business/product
  - Sure black, white, and shades of gray may be what you like, but it is probably not sufficient for most business sites
- Be creative.
  - Sure you can make a simple blue and white page (to get away from black and white), but what does it say about your business/product
  - Look at websites for similar products and see how they use color and layout their site
  - Put some real effort into colors and layout
    - It's easy with CSS

# Things to Remember

- You are creating two stylesheets:
  - Default
  - Alternate
- Both stylesheets are for your entire site
  - All 3+ pages
- Both stylesheets must produce an attractive, navigable site

# Suggestions

- Create your site and your first style sheet
  - Completely finish one stylesheet
- Once that is finished, copy that stylesheet and make a new .css file
  - Now start editing this file
  - Do NOT change your original .html files
- Some things to change:
  - Fonts
  - Colors
  - Layout

# Suggestions, cont

- Once you have one stylesheet done, making a new one by editing is fairly easy
- You can change the values, add new properties, or even delete properties
  - You can delete all properties in a rule if you don't want to use it in the new stylesheet
- Make sure the two style sheets produce significantly different looking sites



# Submission

- Again, you will have to upload your assignment 2 to the cmpt165 course server
- Do NOT delete or edit any files from Assignment 1
- You will also submit a zip file of your assignment2 directory to the submission server

# Submission, Paper Requirement

- Printed copies of both of your stylesheets
- Screenshots of each of your web pages
  - For each web page you should have two screenshots, one for each of the style sheets
  - No more than 6 per page
    - Big enough we can clearly see, but leave space for writing around it
  - Does not have to be in color, double-sided is good
- A marking sheet I will provide later
  - Place this as the **last page** of the document
- Your name, student number, and userid

# index.html

- You must edit your index.html
- It should have a link to assignment 1
- You will add a link to assignment 2
  - AND two links to the style sheets you used
  - Ex. `<a href =“assignment2/green.css”> Green Style Sheet</a>`  
`<a href = “assignment2/blue.css”>Blue Style Sheet </a>`

# Short List of Items you must do

- Choose a business and products
- Create a logo
- Create your website with 3+ pages which validates with xhtml1.0
  - Add the logo to the bottom of your page
- Create 1 style sheet
- Edit first style sheet to create second sheet
- Validate both style sheets with the w3c validator
- Link both style sheets, using the second as an alternate style sheet
- Edit “index.html” to include link to assignment 2 and links to your 2 style sheets
- Upload files to [cmpt165.cs.sfu.ca](http://cmpt165.cs.sfu.ca)
- Submit zipped assignment2 to the submission server
- Create screenshots of your pages and print your style sheets
- Add the marking page to the end of your printed document
- Submit your printed document in class November 4, at 1:30pm

Questions?