MIU, CS472
Lab 2: Basic HTML and CSS

original lab idea and code by Victoria Kirst and Jeff Prouty; revised by Brian Le, Katlyn Edwards, Roy McElmurry IV, and Marty Stepp

Basic lab instructions

- You are not expected to finish all the exercises. Just do as much as you can in the allotted time for the following:

Today's lab exercises

Today you will create a basic "About Me" HTML page and style it with a bit of CSS.

1. About Me Page
2. Style Your Page with CSS
3. Validate Your Page
4. Upload Your Page to the Web
5. Validation Links
6. Advanced Style Techniques
7. Favorite Movie

Exercise : About Me Page (~20-25 min)

Create a page `aboutme.html` that describes you. Include information such as:

- Your name
- A description of you in <= 2 sentences. Emphasize important word(s) in bold.
- A list of classes you are taking right at MIU.

- Your 3 favorite movies, books, or TV shows, in order. Make at least one link to an interesting site about that TV show/movie/book, such as its [IMDB](#) page.
- Two images that represent you when you're happy and sad. (consider [GIS](#))
- Something about one of your neighbors (people sitting next to you)

About Victoria Kirst

My name is Victoria and I am **jolly**, **clumsy**, and **four-eyed**.

My Classes This Quarter

- CSE 451 - Operating Systems
- CSE 471 - Computer Design and Organization
- PHYS 121 - Physics: Mechanics
- CSE 498 - Research w/ Prof. Luis Ceze

My Favorite Movies

(I actually don't watch too many movies, so...here goes!)

1. The last 30 minutes of Forrest Gump ([IMDB](#))
2. Star Trek Episode V with Zazu ([IMDB](#))
3. Fight Club (not really, but I've seen like 3 movies total so this is my 3rd fave by technicality) ([IMDB](#))

My Moods

Happy: Sad:

Fun Facts About My Neighbors

- Sue Smith: *Effervescent* is a word that describes her.
- Bill Thompson: Loves playing *Yu-Gi-Oh*.

Exercise : CSS Styles (~15 min)

(See example screenshot on next slide.)

Create a stylesheet named `styleme.css` to improve the appearance of your About Me page.

- Change the color of at least two elements
- Change the font properties (family, size, weight, or style) of at least two elements. Some standard fonts: Arial, **Arial Black**, Verdana, Trebuchet MS,Georgia, Tahoma, `Courier New`, Times New Roman
- Change at least one other thing (e.g. background color, text alignment, etc.)

Exercise : Validate Your Page (~10 min)

Next, validate the syntax of your HTML and CSS code:

1. Open http://validator.w3.org/ (HTML) or http://jigsaw.w3.org/css-validator/ (CSS)
2. Either click Validate by File Upload and then Browse to your `aboutme.html` file, or click Validate by Direct Input and then copy/paste your code into the text box.
3. If there are any errors, fix the first one, then repeat the previous steps.
   - Try to get the green bar for 0 errors. "Warnings" are okay.
   - *(The error messages can be hard to understand. Feel free to ask a neighbor for help.)*

Exercise : Put Page on Web (~10 min)

- Upload your page to the your GitHub repository.
  - Put your files in a folder named `lab2`.
- Check the page by viewing it in the web browser.

Exercise : validation links

Add links on your page to the HTML and CSS Validators, using the URLs below.

```
<p>
<a href=" https://validator.w3.org/check?url={put-your-webpage-url-here}">
<img src="http://mumstudents.org/cs472/2013-09/images/w3c-html.png" alt="Valid HTML!">
</a>
</p>

<p>
<a href="https://jigsaw.w3.org/css-validator/validator?uri={put-your-webpage-url-here}">
<img src="http://jigsaw.w3.org/css-validator/images/vcss" alt="Valid CSS!">
</a>
</p>
```

Exercise: Advanced Styles (~10 min)

If you complete the previous exercises, great job! You can add any extra content to your page that you like. Or if you want a challenge, try to figure out how to add the following styles:

- Make your **hyperlinks not underlined** by default. When a user hovers over the link, the underline should appear. (*Hint: Look for information about CSS pseudo-classes.*)
- Make every paragraph start with a **drop-caps**; that is, a large initial letter that is 1.5 times the normal paragraph font size. (*Hint: Look for information about CSS pseudo-elements.*)

These are tricks not covered yet in class. Use Google or a CSS reference such as W3Schools.

Exercise , example

Links: (hover is not shown)

2. Star Trek Episode V with Zazu (IMDB)
3. Fight Club (not really, but I've seen like 3 movies total so this is my 3rd fave by technicality) (IMDB)

Drop-caps:

My name is Victoria and I am jolly, clumsy, and four-eyed.

Exercise : Favorite Movie

(See example screenshot on next page.)

Look up one of the favorite movies/shows from your About Me page on imdb.com.

- In your page, reproduce some of the film's IMDB info in a nested list under that movie's bullet.
  - The info is in short topic: → value pairs, such as Genre: Comedy.
  - Therefore, represent it as an HTML **definition list**.
- Consider applying styles to your definition list to make it look snazzy.

These are snippets of example page, showing a favorite movie:

If you finish them all...

If you finish all the exercises, you can add any other content or styles you like to your page.

Once the lab time is up, you may stop working. You don't need to complete the remaining exercises unless you want to for fun.

Great work!