

## Lab 2: Basic HTML and CSS

*original lab idea and code by Victoria Kirst and Jeff Prouty; revised by Mohammed Elhajj*

The purpose of this lab is to practice writing basic web pages with HTML and CSS and uploading them to the Web using your Git account.

### Exercises for Today:

1. [About Me Page](#)
2. [Style Your Page with CSS](#)
3. [Validate Your Page](#)
4. [Upload Your Page to the Web](#)
5. [Advanced Style Techniques](#)
6. [Favorite Movie](#)
7. [Decrementing o1](#)

### Exercise 1: About Me Page (roughly 20-25 minutes)

Create a page named `aboutme.html` that describes you.

On your page, include some or all of the following information:

- Your name
- A description of yourself in two sentences or less. Emphasize the most important word(s) by putting them in bold.
- A list of classes you are taking right now at University.
- 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 [Amazon page](#).
- Two images, one that represents you when you're happy and the other to represent you when you're sad.  
(These can be any images you like. Consider searching for images on [Google Image Search](#))
- Something interesting about one or more of your class-mate.

(You may be tempted to spend all 50 of your minutes on this part of the lab. But try to keep the page somewhat short so that you can attempt some of the other exercises.)

Write your page using valid so also include a link to the W3C CSS Validator, using the following image and linking to the following site:

- image: <http://jigsaw.w3.org/css-validator/images/vcss>
- site: <http://jigsaw.w3.org/css-validator/check/referer>

For example, the following About Me page

## About Victoria Kirst

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

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### 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*.



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## Exercise 2: Style Your Page with CSS (roughly 15 minutes)

Style your page by including styles within the head tag to improve the appearance of your About Me page. Your stylesheet should do the following without any modification to your HTML code:

- Change the color of at least two elements
- Change the font properties of at least two elements (such as family, size, weight, style). Here are some standard fonts you may want to use:  
**Arial, Arial Black, Verdana, Trebuchet MS, Georgia, Tahoma, Courier New, Times New Roman**
- Change at least one other thing of your choosing (such as background color, text alignment, etc.)

For example, this is styled version of the page in Exercise 1 (between, but not including, the thick black lines):

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# 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 3: Validate Your Page and CSS (roughly 10 minutes)

Next, validate your HTML and CSS code to make sure they match the strict XHTML 1.1 specifications. To run the validators, do the following:

1. Open <http://validator.w3.org/> (for XHTML) or <http://jigsaw.w3.org/css-validator/> (for CSS)
2. Click Browse in the Validate by File Upload section
3. Locate the local file and click Open
4. Click Check
5. If there are any errors, fix the first one, then repeat steps 1 through 4.

The key thing is to get the green bar saying that your page is valid XHTML. If you see any yellow warnings about being *tentatively* valid, this is okay. Red errors are not okay.

## Exercise 4: Upload Your Page to the Web via Git (roughly 30 minutes)

Check the internet resources of how to upload web page using your Git account( create one if you don't have one) Verify that you did this successfully by viewing your page in the web browser.

## Exercise 5 (advanced): Advanced Style Techniques

If you manage to complete the first four exercises before lab time is up, edit your stylesheet to also do the following:

- Your hyperlinks should not have an underline by default. When a user hovers over the link, the underline should appear.  
*Hint:* The property you are looking for is a type of CSS pseudo-class.
- Every paragraph should start with a drop-caps that is 1.5 times the size of the normal paragraph font size.  
*Hint:* The property you are looking for is a type of CSS pseudo-element.

Once again, you should be able to make these stylistic changes without modifying your HTML.

**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 6 (advanced): Favorite Movie

Choose one of the favorite movies or TV shows you listed and look it up on [imdb.com](http://imdb.com). In your `aboutme.html`, reproduce some of the content of the IMDB page in a *nested* list under the chosen movie's bullet.

- IMDB contains a lot of information in short topic: → value pairs, such as Genre: Comedy. Information where a word or phrase is associated with some information is a good candidate for an HTML element called a *definition list*.
- Definition lists
- Nested lists
- You may also want to use Google or a reference such as [W3Schools](http://W3Schools) for more information about how to use these HTML structures.

For example, this is Victoria's new Favorite Movies list (between, but not including, the thick black lines):

### My Favorite Movies

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

1. The last 30 minutes of Forrest Gump (IMDB)
  - Director  
Robert Zemeckis
  - Genre  
Comedy / Drama / Romance (more)
  - Tagline  
The world will never be the same once you've seen it through the eyes of Forrest Gump.
  - Plot Outline  
Forrest Gump, while not intelligent, has accidentally been present at many historic moments, but his true love, Jenny, eludes him. (more)
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)

## Exercise 7 Decrementing 01

Modify your About Me page to have your Top 3 movies or tv shows list in decreasing order, starting at 3 and counting downward to 1. The format of the list must look exactly the same as the default format of an ordered list, simply in reverse order. The only change you may make to your HTML is to switch the order of your list items, but otherwise all work must be done by CSS. We aren't going to give you any hints at all; you must figure it out on your own, using the web.

*Note:* **This is very tricky!** Exercise 7 is only meant for those who are already proficient in CSS, and it is in no way something that majors or non-majors will be expected to do in this course.

For example, this is Victoria's decrementing Favorite Movies list (between, but not including, the thick black lines):

## My Favorite Movies

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

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

**Director**

Robert Zemeckis

**Genre**

Comedy / Drama / Romance ([more](#))

**Tagline**

The world will never be the same once you've seen it through the eyes of Forrest Gump.

**Plot Outline**

Forrest Gump, while not intelligent, has accidentally been present at many historic moments, but his true love, Jenny, eludes him. ([more](#))