

## Lab Exercises 1

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

### 1 'About Me' Page (20-25 minutes)

Create a page named `aboutme.html` that describes you. (If you are using a lab computer, you can do this using the installed NotePad editor, otherwise use Sublime Text). 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 IUT.
- 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, 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 neighbors (people sitting at computers next to you)

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

For example, the following About Me page in Figure 1 describes Victoria Kirst:

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

Create a stylesheet named `aboutme-style.css` 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, Figure 2 is Victoria's styled version of her page in Exercise 1.

## 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*.



Figure 1: About Me

# 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

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## 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*.



Figure 2: About Me With CSS

### 3 Upload Your Page to the Web (15-20 minutes)

Install Git to your computer using this link. Git is the commonly used version-control software, and as a web programmer you will definitely need it in future. You can learn more about Git from its documentation. You can check if Git is successfully installed to your computer by executing following command in your CLI: `git --version`. It should return the currently installed version of Git.

After successfully installing Git on your computer, follow this link and register to GitHub. Then create a new repository<sup>1</sup> and set its name according to this format `YourGithubUsername.github.io`. For example, if your username is `ahmad1994`, then your repository name should be `ahmad1994.github.io`. This is very important, so make sure that you write everything exactly as described above.

Then follow the instructions given on <https://pages.github.com/>. Namely, you need to create a folder where you want to download the contents of the repository you have just created in GitHub. For that, open a CLI window<sup>2</sup>. Execute following commands:

```
git clone https://github.com/YourGithubUsername/YourGithubUsername.github.io
```

If your username is `ahmad1994`, then it is

```
git clone https://github.com/ahmad1994/ahmad1994.github.io
```

This will copy the contents of your newly created repository to the designated folder in your computer. Because you haven't put anything to it yet, it is empty now. Now you copy and paste all your HTML, CSS and image files from above tasks into this folder. Once you finish copying, execute the commands below:

```
git add --all
git commit -m "Initial commit"
git push -u origin master
```

It will ask for your GitHub username and password. Make sure that you enter them correctly, and press enter<sup>3</sup>. Once you finish everything, you should be able to access your homepage in following url:

`http://YourGithubUsername.github.io`

For example, if your username is `ahmad1994`, then it should be as given below:

`http://ahmad1994.github.io`

### 4 Make more changes and upload (10-15 minutes)

If you manage to complete the first three 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.

For example, these are snippets of Victoria's updated page, showing links and drop-caps in Figure 3 and 4.

These are techniques that we have not covered in class, so you will need to use Google or a CSS reference such as W3Schools to figure out how to get this done. Once again, you should be able to make these stylistic changes without modifying your HTML.

Once you finish your changes, commit them to your repository as given below:

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<sup>1</sup>You should be able to find *New Repository* button quite easily, once you login to your GitHub profile.

<sup>2</sup>Note, that if you open command line by calling `cmd` in Run, it opens a command line window in your base User folder. You have to change to the right folder. You can do so by using `cd` command.

<sup>3</sup>Note, while entering password in console, you might not see any characters being typed, but it is OK. This is how most consoles mask passwords.

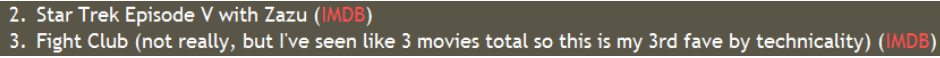
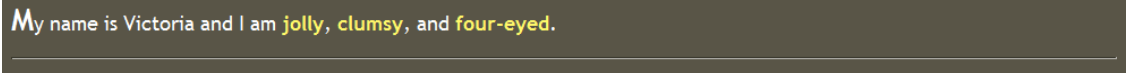
- 
2. Star Trek Episode V with Zazu ([IMDB](#))  
3. Fight Club (not really, but I've seen like 3 movies total so this is my 3rd fave by technicality) ([IMDB](#))

Figure 3: About Me - Hyperlinks without underline



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

Figure 4: About Me - Drop Caps

```
git add --all
git commit -m "css changes"
git push -u origin master
```

You can check if your changes are reflected in your web site.