CSCB20, Assignment2 (HTML and CSS)
Due date 9th March @ 11:59pm

1 Introduction

In this assignment, you will develop a new course webpage for CSCB20, using HTML and CSS. You are not allowed to use any kind of framework. You must work in groups of two. We did make some exceptions for Assignment1, however for this assignment, we ask you to form teams of 2. The webpage must be usable, responsive, and visually appealing. Below is an example course page, however it is up to you to create a design following the mandates listed in this assignment. I want you to have some fun with this assignment. There are some minimum requirements, but for the most part there is a lot of creativity! Think about what an ideal course website should look like? How should the user experience be like? What are the relevant contents that must be shown to the visitor of the website? What should the look and feel of the website be? Does my website work on mobile phones? How should the css/html change to accommodate different mobile devices? etc etc. Here are some course websites that you can look at to get some ideas

- `http://www.utsc.utoronto.ca/~bretscher/b20/`
- `http://www.cs.toronto.edu/~mashiyat/csc309/`

The course webpage that you create, must have content similar to this previous course website of CSCB20. `http://www.utsc.utoronto.ca/~bretscher/b20/`, however it your job to redesign and improve the look and functionality of the page, as well as making it responsive. Your project will be marked based on the following criteria:

2 What is expected on your website at the very minimum?

1. All information on the current course page must be reflected in your page
2. Links to the following must be included: Piazza, Markus, Assignments, Anon Feedback, Syllabus, UTSC Labs, Course Team, and Home.

3. Links should react to mouse hovers and clicks (Apply some style!)
4. Header must be visibly stick to the top of the page as the user navigates the page
5. Footer is required:
    - Must stick to the bottom of the webpage, should not be visible until the user reach- es the bottom of the page
    - Must contain a link to the Faculty of Computer Science at UofT
    - Must contain a blurb about who created the website (Site design by John Doe)
6. All navigation links should direct the user to the appropriate panel and sections of the panels.
7. Page should be responsive and adapt to tablet and mobile views
8. Use of sections and white space should be used to delimit content areas (e.g., Assignment section should be clearly different than Syllabus section)
9. Your HTML and CSS code should be readable and maintainable.

3 Requirements

- Before starting to code in HTML and CSS, you are required to first generate some basic HTML mockups.
    - To generate these mock up, think about how the user is going to interact with the website. You must try and generate questions (these are called user stories) such as:
        1. "As a student user, the student must be able to see all the lecture slides when clicking on the 'lectures' button/link"
        2. "As a student user, the student must be able to see all the Office Hours for this week on Google Calendar or Google Maps (maybe you want to show where these office hours are happening?), when clicking on the 'Office Hours' button/link"
        3. .
        4. .
        5. .
- Each group may have any number of user stories. But you should have atleast 10 user stories. For each user story, you should mock up what the web page should look like. You can generate your mock up using many online free tools. Just choose anyone. One of them happens to be this `https://gomockingbird.com/home`

- Make sure each mock up is saved as a PNG file. And that there is a direct mapping between the mock up and the user stories.
- Complete this assignment using exclusively only HTML and CSS. You have to use table-less design (no `table` element is allowed).
- You cannot use any CSS framework or an HTML template. Everything should be written in HTML and CSS.
- The main entry page for your site should be called `index.html`. Your CSS styles must be saved separately inside its own CSS file. For example, the style of `index.html` must be inside `index.css`.
- This is optional right now, but I like you to think about and if possible have your course webpage work well with mobile devices.

4 Deliverables

Your assignment should be submitted as a tar (assignment2.tar) file on Markus. When we untar your tar file, it should contain a single directory called 'Assignment2' which in turn contains the following:

- A directory called **MockUpAndUserStories**: This directory will contain two sets of items i.e. 1) MockUp and 2) UserStories. Your Mockup png should be named as 'mockup1.png', 'mockup2.png', etc etc. Your user stories should be named as 'userstory1.txt', 'userstory2.txt' etc. The 'userstoryX.txt' must correspond with the file 'mockupX.png' where X is any number.
- A directory called **src**: In this directory, you will place all your html and css files. One of your .html file must be called index.html that we will open in Google Chrome browser to mark your assignment. Your 'index.html' will be the starting point of your entire CSCB20 webpage. Each html file that you create must have a corresponding css file. All your html and css must reside in this directory. If your page makes use of any images or other resources, make appropriate sub directories inside 'src' and have your html and css reference them.
- A file called **HonorCode.txt**: You can reuse the honor code from your previous assignment. Again, just make sure that this includes yours, and your partner's information.
- A file called **Report.pdf**. In this report (1-2 pages) you must try and answer these questions:
  - What issues and problem did you notice with some of the previous websites?
  - How did you address these issues in your redesigned course website?

  - What are some challenges that you and your team member faced? How did you go about addressing these challenges?

We will use the best submission for the course website and the submission will get 5% bonus.

- You can read more about CSS floats here. I recommend using this for layouts on your page. `https://internetingishard.com/html-and-css/floats/`
- This is another great link for understanding how Float works in general. `https://www.hongkiat.com/blog/css-floats/`.
- This is a online sandbox, for you to try some basic ideas and see how they work out. `https://codepen.io/rpsthecoder/pen/jbVKjx`
- To create HTML wireframe mockup, you can use this link `https://gomockingbird.com/home`