

# COMP1710/COMP6780: Laboratory 2

## MOOC Week 1-3

### 1. Objectives

This lab aims to familiarise you with the process of creating HTML files, editing HTML files, styling HTML files with CSS and uploading them to partch. You will repeat this process when doing your assignment 1 to 3.

### 2. HTML Tasks

#### 2.1 Create a new HTML file

1. Create a folder called “COMP1710\_Lab2”
2. On your favourite text editor, create a new file and save it to the “COMP1710\_Lab2” folder as “me.html”.
3. Open the page using your favourite web browser. Please notice it is currently a blank page.

#### 2.2 First edit of HTML content: Headings & Paragraphs

1. Use your text editor the “me.html” created in step 2.1
2. Put in the basic skeleton of an HTML file, which includes
  - a. Set doctype
  - b. Open HTML tag
  - c. Set language
  - d. Open Head tag
  - e. Insert Title
  - f. Close Head tag
  - g. Open Body tag
  - h. Open Heading tag
  - i. Write “About me”
  - j. Close Heading tag
  - k. Open Paragraph tag
  - l. Write a self-introduction within the paragraph tag
  - m. Close Paragraph tag
  - n. Close Body tag
  - o. Close HTML tag
3. Save the file and open it using your web browser.

#### 2.3 Second edit of HTML content: Links

1. Open the “me.html” created in step 2.1 using your text editor
2. Fulfill the following requirements, which include:
  - a. Insert another heading tag, and write “My passion”. Don’t forget to close the heading tag.
  - b. Insert another paragraph tag below “My passion”, and write a description of your hobbies. Don’t forget to close the paragraph tag.
  - c. Add an absolute hyperlink which goes to the anu website
  - d. Create two anchor hyperlinks which go to About me and My passion heading
  - e. Create a simple navigation menu using the two anchor hyperlinks
3. Save the file and open it in your web browser to view the effect of your revised HTML.

#### 2.4 Third edit of HTML content: Images

1. Open the “me.html” created in step 2.1
2. Fulfill the following requirements, which include:
  - a. Create a folder in your project directory and name it as “Images”
  - b. Download an image and put it inside the “Images” folder.
  - c. Below the introduction of “my passion”, insert the image in the “me.html”
3. Save the file and open it in your web browser to view the effect of your revised HTML.

## 2.5 Validate your HTML file

1. Submit your file to [W3C validation service](#) and understand the errors that are returned.

## 3. CSS Tasks

### 3.1 Create a new CSS file

1. On your favourite text editor, create a new file and save as “me.css”.
2. Put the “me.css” file in the same directory of “me.html”
3. Open the css file using your favorite web browser. Notice it is currently a blank page.

### 3.2 Style your HTML file using CSS

1. Open “me.html” created in step 2.1 using your text editor and link it to “me.css”
2. Edit me.css to include the following effects:
  - a. Change the body color of “me.html”
  - b. Change the color of the heading “About me” but not the heading of “My passion”
  - c. Format the navigation bar created in task 2.3.2 to display in a horizontal line
  - d. Change the background color of the navigation bar
  - e. Bold the texts in the navigation bar and centre the texts.
  - f. Remove the underlines of the texts in the navigation bar
  - g. Reshape the image inserted in task 2.4.2 to be 400px wide
  - h. Add a border to the image
3. Save the file and open it in your web browser to view the effect of your revised HTML.

## 4. Edit your assignment.html

1. Download “assignment.html” from Wattle and save it to the “COMP1710\_Lab2” folder
2. Open “assignment.html” with your text editor to fulfill the following requirements:
  - a. Insert a relative link in section 1.2 which goes to the “About me” part of your “me.html” page
  - b. Insert a relative link in section 1.2 which goes to the “My passion” part of your “me.html” page
  - c. Put in some comments in section 1.2 if desired.
  - d. Insert a link in section 1.3 which goes to the “me.css” file
  - e. Put in some comments in section 1.3 if desired.
  - f. Delete the sentences of “Replace this line with your URL link to this element in your website” in section 1.2 and 1.3.
3. Save the file and open it in your web browser to see if you can click on each link on your assignment.html file.

## 5. Upload your website to partch

1. Follow the steps documented in [COMP1710 Submission Guide 2022.pdf](#) to upload all the files to the public\_html folder in partch, which include:
  - a. me.html
  - b. me.css

- c. assignment.html
  - d. the Images folder
  - e. the Comp1710\_Lab1\_TestImage1.png image which should still sit in the Images folder after your uploading process
2. Use your web browser to access the uploaded assignment.html under your Partch account (e.g. by opening <http://partch.anu.edu.au.virtual.anu.edu.au/~uid/assignment.html>) and see if all the links are clickable
  3. Use your web browser to access the uploaded me.html under your Partch account (e.g. by opening <http://partch.anu.edu.au.virtual.anu.edu.au/~uid/me.html>)