

# WWW Technologies and Applications 2021

## Assignment 1 – HTML and CSS

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Deadline: 11:59pm, March 25, 2021

**ATTENTION:** This assignment should **NOT** be implemented using any existing templates. The Font Awesome library (<https://fontawesome.com/>), Reset CSS library (<https://meyerweb.com/eric/tools/css/reset/>) and any font library are allowed to apply to your assignments. However, other existing CSS, HTML, or JS library is prohibited for this assignment, such as Bootstrap, Foundation, Bulma, etc. **If you apply other libraries or any templates to your assignment, you will get a zero score on this assignment. You have to reset stylesheet; otherwise, your assignment may not be executed properly when TA grading your assignments and you will get a zero score on this assignment.** You can find instruction in the Reset CSS library.

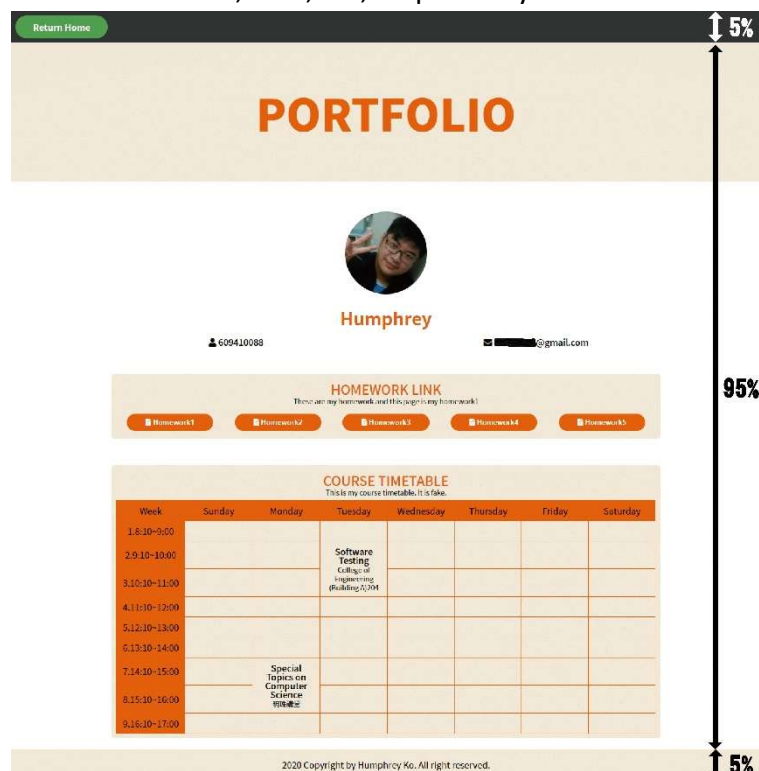
Demo video: <https://youtu.be/aH5kZg4nb2k>

### 1. Task Description

In this assignment, you have to build a portfolio web page for yourself with the layout shown in Figure 1. Your first assignment should be placed under the “hw1” directory in your apache document directory (do the same thing for the rest of assignments) and you should name your assignment as “index.html.” For example, your link to your page should be “[wwwweb.csie.io:\[Your port\]/hw1/index.html](http://wwwweb.csie.io:82/hw1/index.html)”. Make sure that you can view this assignment from the class page (<http://www2021.csie.io:82/classpage>). The features should be restricted as follows:

#### 1.1 The layout of the page:

The page of this assignment should be divided into three parts: header, body, and footer. The height of each section is about 5%, 90%, 5%, respectively.



**Figure 1.** The layout of the portfolio page.

## 1.2 The header of the page

In the header section, you have to implement a button on the left. The color of the button is green (color code #53a653), and the background of the header is grey (color code #333) as shown in Figure 2. This button must be linked to the course homepage. The color of the button becomes darker (color code #2d532d) when the mouse hovers it as shown in Figure 3. The corner of this button should be rounded. The height of this button has to be 80% of the header.



**Figure 2.** The button is not hovered by the mouse.



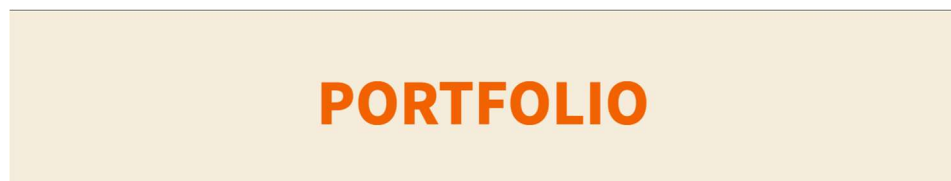
**Figure 3.** The button is hovered by the mouse.

## 1.3 The body of the page

In this section, there are four parts. Each part should be ordered as the following description.

### 1.3.1 Banner

The background of the banner (Figure 4) should be colored in yellow (hex code: #f5ecdb). At the middle of the banner, the title "PORTFOLIO" is placed in upper case. The color of the characters should be orange (color code #f26200).



**Figure 4.** Banner.

### 1.3.2 Personal information

As shown in Figure 5, you should place your photo (or other photos) in a rounded shape in the middle of this section. This photo's size should be 100px by 100px, and the photo should rotate 360 degrees when the mouse hovers it. At the bottom of the photo should be your name. Your name's color should be orange (color code #f26200), and the font size should be larger than other characters except for the characters in the banner. The next part should be your student id and your email in the same row.



**Humphrey**

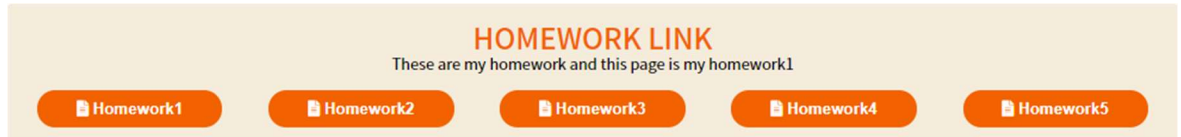
609410088

humphrey0925@alum.ccu.edu.tw

**Figure 5.** Personal Information.

### 1.3.3 Homework Link

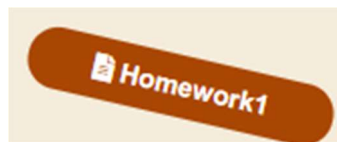
For the links to your homework, the background color of this section should be yellow (color code #f5ecdb) as shown in Figure 6. You should implement fundamental components for homework links and the details are shown in Table 1. Each homework button should be implemented with a specified animation effect (Figures 7-9), when the mouse hovers it.



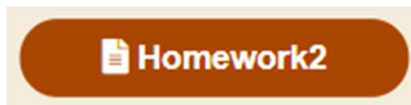
**Figure 6.** Homework links

**Table 1.** The animation effect of each homework button.

Button	Animation effect
Homework 1	Rotate 13 degrees in the clockwise direction
Homework 2	Enlarge
Homework 3	Rotate the color of the button in the following three colors: First color: orange (color code #f26200) Second color: green (color code #C3CF13) Third color: green (color code #008000)
Homework 4 and Homework 5	Darken the button, when mouse covers on it



**Figure 7.** The button of Homework 1.



**Figure 8.** The button of Homework 2.



**Figure 9.** The button of Homework3.

### 1.3.4 Course Timetable

In this section, you should create a table that shows your course timetable as shown in Figure 10. Your course timetable should contain this course (Thursday 08:45~11:30). Your course should span three columns. As shown in Figure 11, the color of any table cell should be highlighted in yellow when your mouse hovers it.

COURSE TIMETABLE <small>This is my course timetable. It is fake.</small>							
Week	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.8:10-9:00					WWW Technologies and Applications Innovation Building 313		
2.9:10-10:00							
3.10:10-11:00							
4.11:10-12:00							
5.12:10-13:00							
6.13:10-14:00							
7.14:10-15:00							
8.15:10-16:00							
9.16:10-17:00							

Figure 10. Course timetable

	WWW Technologies and Applications Innovation Building 313	

Figure 11. The effect of the mouse hovering a table cell.

#### 1.4 The footer of the page

- 1.4.1 You should add copyright announcement in this section. This panel background should be colored in yellow (hex code: #f5ecdb).

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Figure 12. The footer.

### 2. How to submit your assignment and what should be submitted

#### 2.1 How to submit your assignment

The flow of submitting your assignment can be found at our document website (<http://www2021.csie.io:82/homework/submit>).

#### 2.2 What should be submit

You should **hand in your assignment to the GitLab** and deploy your website on your server. You should record a demo video to show each function in your assignment. Your demo video should upload to YouTube and paste your link into eCourse2. **Your assignment will not be graded without a demo video.**

### 3. Grading policy

**Graders will test your homework only on Google Chrome in 1920\*1080. Homework submitted late will be accepted for up to 7 days after the due date, and will receive an automatic 30% penalty. Homework submitted more than 7 days after the due date will not be accepted. Only one final submission (either one on-time or one late submission) is accepted. Your assignment will not be graded without a demo video. You should explain all function of your assignment in the demo video. The link of your demo video should be submitted to eCourse.** The TA(s) will mark and give points

according to the following grading policy:

Header	The return button works. The style of buttons and headers are correct.	10%
Body	Banner	10%
	Personal Information	20%
	Homework link (Each button: 5%)	30%
	Course timetable	20%
Footer	The style of the footer is correct.	10%