

COMP1710/COMP6780: Laboratory 3

MOOC Week 4

1. Objectives

This lab aims to familiarise you with creating tables and forms using HTML. You will also update your files on partch.

2. HTML Tasks: Source log & Forms

2.1 Preparation

1. Create a folder called “COMP1710_Lab3”, or you can reuse the folder we created in lab 2 (“COMP1710_Lab2”).
2. In the lab folder, create a folder and name it as “Images”.
Download the two images from https://unsplash.com/photos/NuFUbtUu_s and https://unsplash.com/photos/m_HRfLhgABo, and save them in the “Images” folder as “Comp1710_Lab1_TestImage1.png” and “Comp1710_Lab1_TestImage2.jpg”

2.2 Insert and edit images

1. On your favourite text editor, create a new file and save it to the lab folder as “images.html”.
2. Open the “images.html” using your text editor and 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. Close Body tag
 - i. Close HTML tag
3. Inside the body tag, insert a heading of “My Images”.
4. Below the heading of “My Images”, insert the two images you downloaded in step 2.1.3.
5. Rescale both images so that they are 400px in width.
6. Use CSS to convert Comp1710_Lab1_TestImage2.jpg to grayscale (Hint: you can use “filter: grayscale(100%);” in your CSS file).
7. Save the file and open it using your web browser.

2.3 Sources Log

1. Create a new file and save it to the lab folder as “sourcelog.html”.
2. Open the “sourcelog.html” using your text editor, and 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. Close Body tag
 - i. Close HTML tag

3. Inside the body tag, insert a heading of “Sources Log”
4. Below the heading of “Sources Log”, create a table.
5. Inside the table, create a header row with three columns, namely “Original”, “Type” and “How Altered or Justification”.
6. After the header row, create two rows of empty cells.
7. Edit the table based on the following requirements:
 - a. The cell on the first row and the first column contains a link that goes to the original URL of Comp1710_Lab1_TestImage1.png (that is where you downloaded this image from).
 - b. The cell on the second row and the first column contains a link that goes to the original URL of Comp1710_Lab1_TestImage2.jpg (that is where you downloaded this image from).
 - c. The two cells on the second column contain a text that specifies the type of these images (you can use “Graphic” as their type) .
 - d. The cell on the first row and the third column should contain a text describing how you altered Comp1710_Lab1_TestImage1.png (e.g. We resized it in step 2.2.5).
 - e. The cell on the second row and the third column should contain a text describing how you altered Comp1710_Lab1_TestImage2.jpg (e.g. We resized it in step 2.2.5 and applied a grayscale filter in step 2.2.6).
8. Inside the table, create a caption that describes the content of the table.
9. Save the file and open it in your web browser to view the effect of your revised HTML. It may look similar to the following picture.

Sources Log

Resources Used to Create This Website

Original	Type	How Altered or Justification
The first image on image.html	Graphic	Resized picture to make it smaller.
The second image on image.html	Graphic	Resized picture to make it smaller. Applied a grayscale filter.

2.4 Feedback form

1. Create a new file and save it to the lab folder as “feedback.html”.
2. Open the “feedback.html” using your text editor, and 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. Close Body tag
 - i. Close HTML tag
3. Inside the body tag, insert a heading of “Feedback Form”.
4. Create a form which contains:
 - a. A label named “Your name” and a text box for users to fill in their names.
 - b. A label named “Your email address” and a text box for users to fill in their email addresses.
 - c. A label named “What is your gender?” and a radio button allowing users to select from “Male”, “Female”, “Other” and “I prefer not to say”.
 - d. A label named “Please fill in your feedback” and a text area for users to fill in their feedback.
 - e. A submit button named “Send it”. If you click on the button, it will prompt up an email app that shows your email address as the receiver.
 - f. A button named “Clear” which will clear all the filled content in the form upon a click.
5. Save the file and open it in your web browser to view the effect of your revised HTML. It may look similar to the following picture.

Feedback Form

Your name

Your email address

What is your gender?
☐ Male ☐ Female ☐ Other ☐ I prefer not to say

Please fill in your feedback below

Submit: or

2.5 Validate your HTML file

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

3. Edit your assignment.html

1. Download “assignment.html” from Wattle and save it to the lab folder. (Feel free to reuse the assignment.html you edited in lab 2)
2. Open “assignment.html” with your text editor to fulfill the following requirements:
 - a. Insert a relative link in section 1.5 which goes to the sourcelog.html
 - b. Insert a relative link in section 1.6 which goes to the feedback.html
 - c. Put in some comments in section 1.5 and 1.6 if desired.
 - d. Delete the sentences of “Replace this line with your URL link to this element in your website” in section 1.5 and 1.6.
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.

4. 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. sourcelog.html
 - b. feedback.html
 - c. assignment.html
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 sourcelog.html under your Partch account (e.g. by opening <http://partch.anu.edu.au.virtual.anu.edu.au/~uid/sourcelog.html>)
4. Use your web browser to access the uploaded feedback.html under your Partch account (e.g. by opening <http://partch.anu.edu.au.virtual.anu.edu.au/~uid/feedback.html>)