COMP1710/COMP6780: Laboratory 2

HTML Forms and Links

1. Objectives

This lab aims to familiarise you with creating tables and forms using HTML. You will also update your files on Stuweb. You will repeat this process when doing your assignment 1 to 3.

Specifically, you will:
- Create HTML Forms
- Edit images using HTML and CSS
- Create a Source Log
- Create a HTML Feedback Form
- upload your assignment.html and index.html page into your public_html space of your account on Stuweb,

MOOC online learning for week 1-3 is open this week,

2. HTML Tasks

2.1 Create a new Lab 2 Folder

1. Create a folder called "COMP1710_Lab2"

2.2 First edit of HTML content: Headings & Paragraphs

1. Use your text editor to create a new me.html file and add the basic structure as introduced in the previous lab.
2. Put in the basic skeleton of an HTML file, and update the Heading and Paragraph to include:
   a. Open Heading tag
   b. Write "About me"
   c. Close Heading tag
   d. Open Paragraph tag
   e. Write a self-introduction within the paragraph tag
   f. Close Paragraph 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 2.2 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 2.2
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 insides 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.
4. Now reopen your me.html and rescale the image so that it is 400px in width.
5. Use CSS to convert the image to grayscale (Hint: you can use "filter: grayscale(100%);" in your CSS file).
6. Save the file and open it in your web browser to view the effect of your revised HTML.

2.5 Source 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. Open Head tag
   d. Insert Title
   e. Close Head tag
   f. Open Body tag
   g. Close Body tag
   h. 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 the image (that is where you downloaded this image from).
    b. The cells on the second column contain a text that specifies the type of these images (you can use "Graphic" as their type) .
    c. The cell on the first row and the third column should contain a text describing how you altered the image (e.g. We resized it in step 2.4).
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.

2.6 Feedback Form

10. Create a new file and save it to the lab folder as "feedback.html".
11. 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
12. Inside the body tag, insert a heading of "Feedback Form".
13. 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.
       You can try adding 'method=post' to submit the fields to the email.
    f. A button named "Clear" which will clear all the filled content in the form upon a click.
14. 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: [Send it] or [Clear]

2.7 Validate your HTML file

2.7.1 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.
2. Open "assignment.html" with your text editor to fulfill the following requirements:
   a. Add your website Topic
   b. Insert a relative link in section Website Topic which goes to the index.html
   c. Insert a relative link in section 1.2 which goes to the style.css:
      Delete the sentences of "Replace this line with your URL link to your style.css
   d. Insert a relative link in section 1.4 which goes to the sourcelog.html:
      Delete the sentences of "Replace this line with your URL link to your sourcelog.html
   e. Insert a relative link in section 1.5 which goes to the feedback.html:
      Delete the sentences of "Replace this line with your URL link to your feed-back.html

Put in some comments in each section if desired.

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 Stuweb

1. Follow the steps documented in COMP1710 Submission Guide 2024 to upload all the files to the public_html folder in Stuweb, which include:
   a. index.html
      Make sure that your index.html is directly in the public_html folder – NOT in a subfolder
   b. style.css
   c. me.html
   d. sourcelog.html
   e. feedback.html
   f. assignment.html
2. Use your web browser to access the uploaded index.html by opening http://Stuweb.CECS.anu.edu.au/~uid/ and see if all the links are clickable (replace uid with your uid)
3.
4. Use your web browser to access the uploaded assignment.html by opening http://Stuweb.CECS.anu.edu.au/~uid/assignment.html and see if all the links are

clickable
5. Use your web browser to access the uploaded sourcelog.html by opening
http://Stuweb.CECS.anu.edu.au/~uid/sourcelog.html
6. Use your web browser to access the uploaded feedback.html by opening
http://Stuweb.CECS.anu.edu.au/~uid/feedback.html