**B.Sc. in Computing
Web Development Fundamentals
Assignment 2 – 50%**

Submission:

- **Submission Date: Sunday 10th December**

    o **Upload to Moodle a zipped file containing:**
        - All wireframe, HTML, CSS files and images
        - All CSS, files and images should be in separate folders, eg css and images
        -

**You must demo your project in the lab session week beginning 11th December.
Failure to demo will attract zero marks.**

You can work in teams of two for this project.

Each student should submit a project to Moodle

Team Submission

If there is a team submission, the work must be divided evenly between the two team members.

An example of the division of work is as follows:

Member 1

Home page, site map, contact page

Member 2

Characters page and 2 subpages, merchandise page and two subpages.

Single Submission

For single submission the following pages must be submitted:

Home page, contacts page, site map, characters page and merchandise page.

Demo

You must demo your project on week beginning 11th December in your lab session.

Failure to demo will attract zero marks.

Please print out the rubric marking scheme and provide an indication as to the marks that you think you should receive.

Learning Objectives

The purpose of this assignment is for the learner to create a professional website.

It is an opportunity for you to showcase all (or most) of the practical skills that you have learned during the semester and integrate them in a cohesive manner.

NOTE:

All text in your website must have been written by you.
Do not copy and paste text from any website into your HTML pages.

Assignment Brief

Create and submit the following:

A folder containing a set of web pages on one of the following themes:

- Hobby
- Holiday Destination
- Local Company
- Charity
- TV Series

Every team/student must create a different website, so you need to talk to your lecturer about your choice.

Your website folder (Assignment2) should contain the following:

- index.html   (home page)
- all other .html files
- wireframe.doc -word document containing your screen design/wireframe from mockflow or draw.io
  Export the pages from the tool to a word document
- /images   (folder directory for all the images)
- /css   (folder directory for your CSS file(s))

Assignment Detail

Wireframe

Before the coding process is started, a wireframe process should be completed. This will provide a detailed plan for development showing the overall layout of the web site.

You are required to create a mock-up website using an online mock-up generation tool (eg mockflow.com).
The wireframes should be based on the following specifications:

Note:
For the wireframes, design 3 pages using mockflow.com.
Design the home page and 2 other pages.

You will also need to demo the mockflow to the lecturer.

The complete website should contain at least 9 pages when finished.

Home page
This page should be created using the **flex box layout** and include the following features:
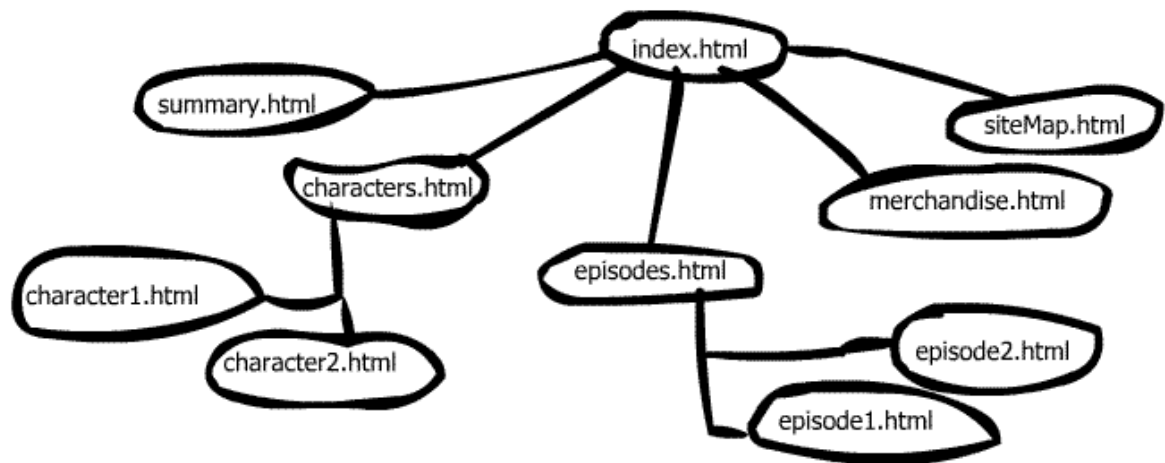
- Horizontal and vertical navigation bar.
- Some text about your subject choice
- An external link to a web site
- An image
- Footer section should contain Facebook and X(Twitter) images that link to the appropriate external sites.
  Include appropriate tags.

Remaining Pages
The remaining pages should include the following:

- site map (Nested List -all website pages listed, showing site structure as links to all pages)
- contact page / location page
  - email address (link to email address)/ phone no. etc
- a characters / staff page / members page / stores pages
  - have a main characters/staff page and then separate pages on at least 2 of the items on the page
- merchandise page – an a –z list of products / merchandise (at least 4 items)
  - clickable image links which provide more details on at least 2 of the products
- remember **all text on your website must be your own original prose writing**

An example of *possible* **web site structure for a TV programme:**

Web Coding

Following on from the screen design, you are now required to complete the coding process. Using the above detail create the requested web site.

General requirements for the site include:

- Demonstrate the use of the following:
  - Background Colour
  - Background Image
  - Font color

- Demonstrate the use of lists as follows:
  - ordered or unordered list
  - nested list – site map

- All links should be correctly hyperlinked and working.

- Include links that demonstrate the use of the following:
  - Internal links,
  - External links – on home page main text
  - Image links – Facebook and X(Twitter) links to external site on home page
  - Email link – on contact page

- The site map must be a nested list which contains functional links to all other pages.
- All images must have alt tags, be well placed, and working correctly.
- Ensure sizing of images is correct
- Each page must have an appropriate title.
- Each page must have a consistent navigation menu containing functional links to all other pages.
- Style the navigation bar and links appropriately that incudes colour changes for visited and hovered links
- The web site should be a responsive, ie it should look good on all devices.
- Site should exhibit strong design, user-friendly navigation, clear and consistent layout, and professional appearance.
- Site should exhibit proper use of background, font, and colours.
- Site should be free of grammatical/spelling errors.
- All code should be commented and indented
- All styling should be done using an external style sheet.
- All code should be validated using the validator for CSS and HTML5.

Submitting your Finished Assignment

Create a zip file in the format <student no>-<Assignment2>

On or before the due date (see above) upload the zipped file to Moodle.

Each student must submit the project.

The zipped file should contain the following:

- index.html   (home page)
- all other .html files
- screendesign.doc(Word document containing your screen design images)
- /images   (folder directory containing all the images)
- /css   (folder directory containing your CSS file(s))

Marking Scheme
A rubric will be displayed when you enter the Assignment2 upload section.

The rubric will display the marking scheme.

Academic Honesty
Any work that you submit for continuous assessment or assignments must contain a significant contribution by you. Any help you receive from someone must be acknowledged in the work submitted. Failure to acknowledge the source of a significant idea or approach is considered plagiarism and not allowed.

Academic dishonesty will be dealt according to the college's plagiarism policy.