**HTML5 – CSS3 – JavaScript - jQuery Project**

Subject: **Web and UI Design**

Project start Date: 1**4 Oct 2020**

Project is worth: **50%**

How to submit your project:

**1. Upload the Project Description document to Moodle. Follow the link reading:**

SUBMIT Your Semester 1 WebSite PROJECT DESCRIPTION by following this link

**2. Place all the files relevant to your website within the same folder.**

**Zip the entire WebSite Folder (i.e. the folder where you placed all the website files).**

**Upload the .zip file to Moodle - follow the link reading:**

SUBMIT Your Semester 1 WebSite PROJECT - worth 50%

**If the zip file is very large in size, then please contact Dana and we will find another way to submitting your work.**

Project Due Date: **10 Jan 2021 at midnight**

**VERY IMPORTANT!**

Please start each webpage from scratch. The project will be marked based on your own work.

Do not use web design applications which allow you to create an entire website in a couple of hours (based on templates) – e.g. wix.com. Instead try to learn as much as you can about creating webpages from scratch.

**Good to know!**

The website content does not have to be real – you can use copyrighted material or false/fictional information. Your website will never be published online so you are safe to use any content as part of it.

**Project Requirements**

Create a website based on a topic of your choice (topic examples: a website about you, about your family, about your hobbies, about places you visited on holiday, about the movies you like, about the games you play, about the music you like, about your business (if you have one), etc.).

It is up to you to decide how many web pages your website should have – implement at least 2 webpages, but there is no maximum.

The aim of the project is to explore HTML5, to style your webpages with CSS3 and enhance the interactivity of your pages with JavaScript and jQuery.

**You will be marked based on the following criteria:**

1. **Project description [3 marks]**

Create a Word Document (or any other document type such as pdf).

Include the following in this document:

* A short paragraph outlining the topic of your website
* A section where you highlight the original elements (or technologies) you incorporated on each page – i.e. technologies that you studied on your own (not discussed in any recording). By doing so, you make me aware of the extra work you put into the project – the more work you put in, the better the mark. Do not worry if you do not get the chance to learn new technologies – you can still get a good mark.
* A short overview of your experience: how easy (or difficult) was it to create the website. Mention the problems you encountered during the development of the web site (if any). Mention how you solved the problems (if any). Reflect back at the experience, would you do anything diferently if you were to start again?

DO NOT FORGET to UPLOAD your document in Moodle!

1. **Use of the following compulsory elements/technologies [72 marks]**
2. Create a navigation menu for your website (i.e. hyperlinks to move from page to page within your website). It is up to you to decide what technologies to use for this – you can use css, jQuery, etc. It is also up to you to decide where on the web page to place the navigation bar (on top, on the right hand-side, etc.).

You can add hyperlinks somewhere else on the site if you so choose (i.e. you can choose to add more hyperlinks to your webite but place them outside the navigation menu).

1. Explore HTML5 capabilities. You have to incorporate at least 10 of the following HTML elements (it is up to you to decide where on your website to place these elements):
   1. Create nice page layouts using <header>, <footer>, <nav>, <section>, <article>, <aside>, <div>, <p> (combined with css).
   2. Image using <img> and <figure>
   3. Video
   4. Audio
   5. YouTube
   6. List using <ul> or/and <ol>
   7. Table using <table> - you can even use it with <caption>
   8. Form elements
   9. Canvas
2. Use CSS to style the elements you placed on the web pages. It is up to you to decide which elements to style with CSS. You have to incorporate at least 15 different CSS such as:
   1. margin (or any of its variations such as margin-left, margin-right, etc.)
   2. padding
   3. display
   4. font-size, font-family, font-weight, font-style
   5. color
   6. background-color
   7. float
   8. position
   9. left, top
   10. width, height
   11. list-style
   12. text-decoration
   13. opacity
   14. visibility
   15. etc. etc. etc.
3. Use JavaScript as many times as you can on your web site but please implement at least 3 distinct scripts. It is up to you to decide where to implement some JavaScript. You can use JavaScript for anything from displaying a popup window to including a bit of animation or some calculations, changing the appearance of HTML elements, etc. Look up ideas on-line and on the w3schools website!
4. Implement at least 3 of the following jQuery effects (to enhance the appearance of your HTML elements). It is up to you to decide where on your pages to use jQuery:
   1. Hide/show
   2. Fade
   3. Slide
   4. Animate
5. **The extra effort you put into the project [25 marks]**

Everything extra counts!

Think outside the box, learn something new and implement it!

Examples include (! this list is not exhaustive!) :

* creating your own graphics,
* creating an outstanding navigation,
* creating a visually pleasing website,
* paying attention to details (clear text and images, no spelling mistakes, no random empty spaces, neatly aligned elements, etc.),
* implementing something new (new technologies) not discused in any recording
* using jQuery libraries we did not discuss in class
* writing substantial javaScript code to enhance your website
* etc.

Extra effort requires extra time spent in front of the screen and it has to be rewarded.