Web Dev Assignment 1

This assignment is a “fixer-upper” assignment and this document outlines the requirements that must be met in order to obtain full marks. This document is for both internal and external students but in the case of external students, all work is done individually and the requirements are reduced to reflect the higher workload.

For Internal students it is **important** to ensure that the work is distributed evenly as this is used to calculate your individual grade. Every person should ensure they have been allocated sufficient work and be able to demonstrate and explain their contribution when asked. Group work should be able to be explained by **anyone** in the group!

# The Assignment

Your task is to find a **dodgy** website that is in desperate need of updating to HTML5 standards or a **dysfunctional** website that is not very user friendly. The website can be on a favourite topic or anything in general (so long as it is not offensive to others!). Your group’s task is to re-create part of the website using VisualStudio and make it more usable and modern. Aim to impress!

# Requirements

There are several tasks you are required to complete:

## Create a new Master Page Template and Styles

Some sites don’t bother using a template and this can result in pages with completely different layouts. Sometimes the site uses a templating mechanism but the developer (or customer!) screws it up. Your task is to translate the basic layout of the website into a Master Page that makes use of the various HTML5 Semantic tags. Your layout should improve the overall presentation of the original website. You may make use of the existing website layout and use of your own CSS file, or the original CSS file with modifications and improvements or even a CSS html5 template framework such as bootstrap or one of the [other various options](http://designinstruct.com/roundups/html5-frameworks/) out there. The choice is yours – the requirement is that it is improved in a reasonable way. It should look as professional as possible – improvement is the key.

## Create a Page That Describes the Old Website

Create a web page that explains:

1. How the original website was not HTML5 compliant (including any significant errors including HTML, CSS or other)
2. What made the website hard to use
3. A link to the original website

This can include links with descriptions to any dysfunctional pages.

## Create a Page that Describes the Improvements

This page should indicate the improvements and who in your group made them. This should be done either using a HTML table with thead and tbody tags or a CSS table if you really want to impress ☺

## Create a New Page with Fixes

**Each group member** needs to create a page that shows fixes to an existing page from the original website. This new page must make use of your new Master Page template. In addition to this requirement your page must include **one** of the following:

1. An input form or some dynamic component such as using an SqlDataSource and Visual data Control or other
2. Include some sort of CSS3 Transition that improves user experience
3. Include an animation of some sort that compliments the website or page.

## JavaScript

To obtain full marks in the assignment each person must include some useful JavaScript. This could be custom error messages on one of the above forms and a conformation message. It could be some sort of fancy visual feedback or the JavaScript necessary to trigger an animation/transition in response to user interactions. You may use JQuery or another JavaScript library if you like. The script should demonstrate that you know how to select and manipulate specific elements within the HTML document and how to respond to an event.

# Marking

Marking will be conducted in class during week 7. You will need to be able to demonstrate your contribution and answer any questions. Marks will be allocated in the following areas:

## Group Marks

### Layout (35%)

General layout and presentation. This includes:

* Master Page creation and setup
* Use of HTML5 Semantic tags where appropriate
* Presentation and basic CSS – custom (your own css)/improved existing CSS or a html5/css framework like bootstrap

### HTML Quality (25%)

The quality of your HTML matters since everyone can see it. This includes:

* The appropriate use of IDs and Class names
* Consistent naming approaches
* Correct formatting and nesting of elements

## Individual Marks

### New page dynamic content and/or CSS3 Transition/Animation (25%)

User experience is everything and is worth a good portion of the marks. Your new page must:

* Demonstrate a clear improvement of an existing page
* It must also include one of:
  + An example of dynamic content,
  + An input form with all the bells and whistles that is user friendly and visually appealing (as forms can be!)
  + A CSS3 Transition or Animation that fits with the website or is likely to improve user opinion

### An Example of Something JavaScript (15%)

JavaScript has become a significant factor in modern web design and no page could be considered without it.

Your page must demonstrate that:

* You know how to select and modify an element
* How to react to a user/page event like a button click

The Group Marks make up 60% of the total assignment mark and each member should contribute equally to this component. If a member does not contribute equally, they will be awarded a portion of the available 60% that reflects their overall contribution to the group.

# Due Date

You will need to have your site completed for presentation which will take place in Week 7 starting April 25th during your practical time. You will need to upload a copy of your website before class which will be used for further analysis of the individual assessment components.