

Assignment 2 – 30%

Due Date: Wednesday, November 27th @ 21:00

Upload Details: Assignment upload links will be placed on Moodle

Part A – 60%: You are required to download a website template of your choice. The template must be approved by me (either send me a screenshot of the template main page or a link to the template, no zip files) by Friday, November 8th at noon, or your overall mark for this assignment will be reduced by 15%. I generally do not allow any two students to use the same template so please factor in that your first template suggestion may be rejected. The template should have at least 2 pages

The template should be about something, i.e. no 'lorem ipsum' filler text and no placeholder images (you could use a website from year 1). You can alter any template to fulfil these requirements.

On one page of the template you are required to demonstrate your knowledge of jQuery by altering (via various events) substantial parts of the page by using appropriate jQuery methods. You are specifically required to:

- Employ advanced element, attribute and descendant/child selectors.
- Also employ at least 2 adjacent sibling selectors.
- Your code must be documented.

10 Marks

- Use multiple jQuery methods, including at least 4 that we have not seen in class.
- Develop an original animation.
- Use at least 30 lines of your own CSS.
- Have between 10 and 15 jQuery anonymous functions (bound to events) and between 2 and 4 named functions.

35 Marks

- Use the jQuery ajax() method and JSON to display information from another source on the page. Try and display the information graphically.

15 Marks

Part B – 40%: On second page use pure JavaScript (NOT jQuery) to do the following (**The API you use must be approved in advance by myself. Google maps is not allowed**):

- Create and style an image 4 ways on the page load
- Remove two elements when the mouse is hovered over them

10 Marks

- Use getElementByTagName to change all <div> elements on a page (4 styles) when any div is double-clicked
- Have some <h1> text which when clicked, will dynamically create a table with 4 cells (2 * 2) one of the cells should have a background colour of yellow and the other should contain an image

10 Marks

- Use an API of your choice and obtain JavaScript code to demonstrate that API. You should alter the provided code in order to demonstrate 4 - 8 visible changes

20 Marks