# Assignment 2 – 30%

# Part A: 25%

# Details: In-class, closed book written exam (paper will be provided) to be held on Tuesday, March 28th during the normal lecture hour (11:05 in B2045).

# Part B: 75%

# Details: You are required to create a 3 or 4 page website which demonstrates the capabilities of JQuery plugins (or APIs) which should be demonstrated using jQuery code (JavaScript can be included as required). You should also research and use a JavaScript task runner in conjunction with your assignment, and ideally, store your code on a code repository.

# The pages should focus on design, and plugins/APIs chosen should be easy to demonstrate to the class (visual feedback).

# It is a requirement that you use a website template (as opposed to developing the site from scratch) – the template does not require approval from myself.

# Your choice of plugins/APIs must be pre-approved by myself (emails only, deadline this Friday @ 5PM) and in general it would be wise to pick plugins/libraries that are unrelated. For example, choosing three image gallery plugins would make it difficult to award high marks.

# You are required to work in groups of 2 or 3 and you must send of the names of each group, the group members and one the plugins/APIs to me no later than this Friday, at 17:00 via email.

# Marks will be allocated as follows:

# Use of plugins/APIs: 45%

# Presentation and ability to ask and answer questions: 10%

# Demonstration of a JavaScript task runner: 10%

# Using a code repository: 10%

# Advanced code/used of advanced plugins/APIs, use of other advanced concepts not covered in detail in class (AJAX/JSON etc.): 25%

# Up to 30% of the above mark may be lost whereby a group or student within a group fails to engage with myself during lab classes allocated to this work.

# In certain circumstances, I will allow a group to only demonstrate one topic if it is of a sufficiently advanced nature. These would include complex APIs such as highcharts, or the demonstration of a Framework (e.g. ReactJS) as opposed to plugins/APIs.

# 

# While each page of the template should be reasonably well designed you can allocate specific pages to specific tasks (one page for each plugin) or mix and match.

# All code must be documented. You will also need to submit everything to Turnitin.

# Deadlines:

# Friday, March 24th at 17:00. Email me with the name of your group, student names and one plugin/API that you intend to use

# Friday, March 31st at 17:00. Email me the final list of plugins/APIs you intend to use (including links to their locations), along with the name of the JavaScript task runner you will employ as well and any areas you believe you will pick up extra marks (e.g. ‘We will be using JSON’, ‘Our Plugin A is very complex’ etc.)

# Friday, April 28th. Submission of all work, including any relevant presentation materials

# Wednesday, May 3rd. Presentation to class with Q&A session

**What your result in this assignment indicates:**

**90% - 100%: Impeccable code, concepts introduced which are beyond those expected of assignment, demonstration of concepts I am currently unaware of. Demonstration of critical thinking and creativity. All code works. 600+ lines of code (excluding HTML and CSS)**

**80% - 90%: Extremely advanced code used, all topics covered to an advanced level. Demonstration of concepts which would take me more than 1 hour to fully evaluate. 500+ lines of code. All code works.**

**70% - 80%: Outstanding quality, not all aspects of project may be working but those that are, are applicable to the requirements above with code of high quality. Vast majority of code works.**

**60% - 70%: Overall quality of work very good, not all requirements implemented but those that are indicate solid knowledge of problem solving. Ability to defend work done and provide explanations or non-working code samples of attempted solutions.**

**40% - 60%: Well-designed project which succeeds in tackling most of the problems in the assignment. Able to provide reasoning for areas of project not completed and evidence of genuine effort made.**

**If I have any queries regarding code I will contact students directly**