# 2016 - SOFT6008 Assignment 2 (60%)

## Deadline

Please upload a **single zip file containing ALL of your project files** to **Assignment 2** on **Blackboard** by **Midnight Monday Nov 28th 2016.** Please list your name and student ID in your code comments. It is your responsibility to ensure you provide the correct files for this project. **I should not need to modify any of your files to get the project to work correctly!**

## Required Documents & Files

1- HTML File ("form.html")

2- JavaScript File ("calculate.js")

3- CSS File ("style.css")

4- images

All separate files (including any images) are to be compressed into a **single ZIP file**.

Please keep all JavaScript and CSS as separate files! Inline/Embedded script will not be accepted.

## Description of the problem & Marking Scheme (60 marks)

1. Build a web site that accepts customer order details for a fully customisable **product (e.g. t-shirt or pizza etc but NOT a MUG)** and successfully sends all the required data to the specified PHP server http://atlantis.cit.ie/displayvalues.php. **Note:** If the form is submitted correctly you should be able to see the variables listed on the php webpage listed above. No data should be sent to the server until all the required input has been entered and validated. **(5 marks).**

2. Demonstrate the ability to provide user feedback by using JavaScript to modify the appearance of form elements using the Document Object Model or jQuery. **(5 marks).**

3. Demonstrate the ability to use built-in HTML5 features for the validation of user input and provide user feedback through the use of CSS pseudo classes. **(5 marks).**

4. Demonstrate the ability to dynamically visualise the customisable product being ordered while being specified. Allow the user to select from one of (at least) 5 pre-defined style combinations. **(15 marks).**

5. Dynamically display accurate price information while the order is being specified. **E.g.:** For a customisable t-shirt, the user should be able to modify (at a minimum) the size, colour, graphic, and text displayed on the t-shirt. **(10 marks).**

6. Demonstrate the ability to apply a discount if certain conditions are met (e.g. user has mycit.ie email address) **(5 marks).**

7. Program design, validation, structure and flow **(12 marks).**

8. In lab DEMO, including the demonstration of using GitHub for versioning control. **(3 marks).**

**Notes:**

The marks listed are the maximum marks available for each task. Merely completing the task will not attract the maximum mark. Marks will be awarded for efficient code, originality, and demonstrated skill. Marks for HTML and CSS will also be included in the marking scheme above for each of the individual items.

This is **NOT** a continuation of Assignment 1. The customisable product cannot be a Mug.

Students are expected to write all the code themselves. Where students elect to use code taken from the web or from others all such code must be clearly identified and clearly delineated.

Students **must** be available on **Saturday December 3rd 2016** to demonstrate their project to be allocated a mark for it. They can demonstrate their project before this date if it is agreed in advance with the lecturer.