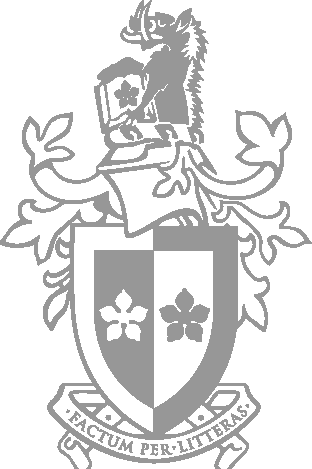
Faculty of Science, Engineering and Technology





**Interface Design and Development**

Pass Task 6: Web App Development Principle

**Overview**

You have been using model-view-controller programming to implement the web application you have created in this unit. In this task you need to express your understanding of these principles (using model-view-controller) to create web applications.

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**Purpose:** Express your understanding of how the programming artefacts, tools, and concepts relate to each other.

**Task:** Write a short explanation of web application development to outline your understanding of the model-view-controller programming principles and tools, and how they are used to create web applications.

**Time:** This task should be completed in your lab class and submitted for feedback before the start of week 9.

**Resources:**

* + - Lecture notes

***Submission Details***

**You must submit the following files to Canvas**:

* A WORD document with your description (.docx)

Make sure that your task has the following in your submission:

* Explanation should clearly demonstrate a good understanding of the model-view-controller programming principles and how they relate to the development of web application.
* The report is your work and expresses your understanding in your own words. Where ideas and descriptions are related to other people they are appropriate cited and referenced.



**Instructions**

To make the most of web application development, you need to deeply understand the principles of model-view-controller programming (in which covered in the material since Week 2 – Week 6).

For this task you must explain the principles of model-view-controller programming and relate these to the web applications you have created i.e. BMI calculator, Number Guessing Game, and perhaps a simple custom web app.

**Note:** Explain is more than just a description, you want to convey a deeper understanding that can be achieved with a simple description. Try to relate the principles together and express the depth of your understanding.

**Tip:** A deep explanation does not need to be a long one. Aim to convey your under- standing in a concise fashion.

**Create an article / blog post / letter to a friend / comic / movie / podcast / etc** that explains the principles of model-view-controller programming as you understand them.

1. Keep it to about 1 or 2 pages of text (if text based)
2. Videos or podcasts should be kept as short — but still demonstrate depth of understanding.
3. Creativity will be valued

**Tip:** Including references to textbooks (not Wikipedia) or research papers can help you strengthen your explanation. Remember to reference other people’s work.

Make sure your explanation covers the following:

|  |  |  |  |
| --- | --- | --- | --- |
| **HTML** | **Bootstrap** | **AngularJS** | |
| Structure | Grid System | Module | Directive |
| Content | Structure (nav, navbar…) | Controller | Config / ngRoute |
| Accessibility (Form, Table) | Content (h1, p…) | Scope | Validation |
|  | Form Controls | Filter |  |

Relate these to web applications you have written in this unit.