**ASSESSMENT 1 – Part 1**

**Website Planning & Design**

**Due Date: 15/04/2019**

**Learning Outcomes Assessed**

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| --- | --- |
| 2 | Examine and apply MVC software architecture in the development of a web application |
| 4 | Examine and develop MVC implementation components in the development of a web application |

**Weighting**

Practical Work: 10% of Final Grade: Total Marks: 100

**Preamble**

Before you begin this assignment you should have:

* Read all lessons
* Completed **[LAB 1, 2, 3,4]**

**Assessment Tasks**

1. **Make teams (if not already done so)**
2. **Create GitHub repository of your project and share it with your partner (5 marks)**
3. **Write a design report containing:**
   1. Assignment cover sheet available on Moodle.
   2. Brief description of the web application **(10 marks).**
   3. Users’ requirements for this application. You could do this in a number of ways. For example, observing, interviewing, and looking at existing similar web application, talking to friends and family about their experiences, filling questionnaires, and so on. Record your data carefully **(20 marks).**
   4. Entity Relationship Diagram (ERD) showing all entities, attributes, relationships, cardinality, and roles (On Visio or on a paper) **(20 marks).**
   5. Test Planning – What is TDD and how would you implement it in your project? **(10 marks).**
   6. Security and Performance Planning – How would you ensure that your website is secure and how would you test the performance of your website. **(20 marks)**
   7. References **(10 marks).**
4. **Collect/design appropriate graphics for your main entities/tasks (5 marks).**

**Deliverables**

1. **Upload the following deliverables on Moodle**
   1. **Your design Report**
   2. **Graphics (zip folder)**

* **Note: This Assessment is to be done in teams (maximum 2 members)**
* **Use the internet, course readings and class discussions to complete this work.**