# Assignment 01: Group Project Proposal

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| **Due date:** | Week 4 |
| **Weighting:** | 20% |
| **Length and Format**: | Word document and PowerPoint Presentation |
| **Assessment Details:** | Students in groups of 3 will identify a real-world business problem or opportunity that can be addressed by a web-based information system.  Students will write a short report (500-700 words), Explaining the project, identifying, and justifying the development approach, and the tools to be used in the group project.And A PowerPoint presentation in Class. |
| **Assessment addresses SLOs** | |  |  | | --- | --- | | **b** | Critically analyse client-side and server-side scripting languages | | **C** | Produce project documentation for code, installation, and operations | |
| **Marking Criteria** | Please refer to Marking Rubric on Canvas |

## Assignment Requirements

Assessment 1 and Assessment 2 must be completed in groups of 3 students. The same group will work together in completing both the assignments.

**Assignment-01 is the proposal** and ***assignment-02 is the implementation of the proposal.***

Each group must identify a small real-world problem or opportunity that can be addressed by developing a web-information system. Your web-information system must have a minimum of 5 maximum of 8 webpages developed using HTML5, CSS3, and JavaScript. It must use a database with a minimum of 3 tables. Data must be stored in those tables using PhP and MySQL. Submission should be including a github public repository link.

For example, I need a small web-information system to talk about my class and to store class information such as students, lecturers, and marks.

My website will have the following pages: index, about me, about MIT122, Assignments, contact me, register a lecturer, register a student, enter marks, check marks.

This website will have a minimum of 3 tables: lecturer, students, marks, (may be enrolled, if you remember advanced databases subject)

Some SQL/PhP code to store and retrieve to and from the tables to HTML pages.

This is my assignment; I expect every group to find their own challenge (problem/opportunity) to address.

Assignment 1 is about identifying a challenge, identifying an appropriate development methodology to develop the solution, i.e., the web information system.

Your team will write a project proposal explaining the project, identifying, and justifying the development approach, and the tools to be used in the project.

## Submission Requirements

Students must submit their assignments through CANVAS shell. Email submissions will not be accepted.

As this is a group assignment, one student can submit the project proposal on behalf of the group.

A Turnitin report must be generated.

Deliverables:

A Microsoft Word document.

Formatting Guidelines for submission of Assignment

1. Cover Page:

- Title of the project.

- Name of the course.

- Name(s) of the student(s).

- Name of the instructor.

- Date of submission.

2. Table of Contents:

- Clearly labeled sections with corresponding page numbers.

3. Font and Spacing:

- Times New Roman or Arial font.

- Font size 12.

- Double-spacing throughout the document.

4. Margins:

- Standard 1-inch margins on all sides.

5. Header:

- Include a header with the project title and page numbers.

6. Title and Headings:

- Project title centered and in bold.

- Headings and subheadings clearly differentiated, possibly with bold or underlined formatting.

7. Text Alignment:

- Justified alignment for the main body of text.

8. Paragraph Indentation:

- First line indentation for each paragraph (0.5 inches).

9. Page Numbers:

- Sequentially numbered pages, excluding the cover page.

- Page numbers centered or aligned to the right in the header or footer.

14. Proofreading:

- Thoroughly proofread the document for grammar, spelling, and punctuation errors.

15. Document Naming Convention:

- Use a clear and concise naming convention for the file, including the project Group Number and student names (who is submitting the document).

## Resources

* <https://armanitalks.com/what-are-information-systems-a-dummies-guide/>
* <https://sites.radford.edu/~mhtay/ITEC110/Fundamental_Info_Sys/Lecture/ch01_5e.pdf>
* How to build a simple PHP website: <https://www.makeuseof.com/tag/build-simple-php-website/>

**Books:**

* Learning-Web-App-Development by Semmy Purewal : <https://app.box.com/s/zxe00foel0yl7ca056ivsgq4826oialw>
* Fundamentals of Database systems <https://app.box.com/s/kq535i1qdn1kgmu2a8rg8cofq9upfaxe>