

# INFO 3305 Web Application Development

## Group Project Overview and Policy

Laravel Web Application is a well-designed architecture that uses its own Model-View-Controller framework. The technologies used in Laravel web applications such as PHP artisan CLI, Blade Engine, Eloquent, etc., are allowing web developers to develop functional, flexible and reliable web applications. Propose a web application that you want to develop with Laravel Model-View-Controller, routes and also CRUD operations. You need to learn, understand, experiment, and implement the above components in a group project, which you need to present on **16/01/2025**.

Using the class handouts and Laravel Official Documentation, you need to investigate and develop the proposed web application (code and interaction process).

### **Requirements:**

1. Group members will be assigned by the instructor.
2. No student is allowed to work individually
3. Choose your own topic based on (but not limited to) the following areas: Healthcare, Education, Islamic Da'wah, Food and Beverages, Sports, Organization, and Tourism. Please ensure that the chosen topic and contents are Shariah-compliant.
4. Write a proposal for the complete model-view-controller web application that you want to develop using the GitHub **README.md** file (**Submit on 24/12/2024**). The proposal must include:
  - a) Name and Matric No of the group members.
  - b) Title of the project.
  - c) Introduction of the proposed web application.
  - d) The objective of the proposed web application.
  - e) Features and functionalities of the proposed web application.
  - f) Include ERD for your database tables with relationship.
  - g) A sequence diagram to represent the interaction of the proposed web application.
  - h) References.
  - i) For formatting and styling of your proposal via README.md file refer to [Markdown syntax](#).
  - j) Submit the URL of your GitHub README.md file to iTaleem and respect the deadline.

5. Grading of the final project is based on the following:-
  - a) Proposal – **5%**
  - b) Coding – 100 marks (**will be converted to 25%**)
    - i. Routes – 10 marks
    - ii. Controllers – 10 marks
    - iii. Views – 10 marks
    - iv. Models – 10 marks
    - v. User Authentication – 10 marks
    - vi. Use of Media (text, graphics, audio/video and interactive) – 20 marks
    - vii. Design/Colour Scheme/Layout – 20 marks
    - viii. Navigations/Links – 10 marks
  - c) Final Report – **5%**
  - d) Personal Evaluation (**Presentation**)– **5%**
6. A demo of the project (fulfilled all the criteria stated) which is fully functional **without errors**.
7. A **15-minutes group presentation** (without PowerPoint slides) based on the assigned task for each group member. Including a **Q&A session** for the presentation.
8. The code implementation and completed functionalities must be uploaded to the **GitHub repository** and any **changes** must be updated to your **GitHub README.md** file as final report submission. You will be penalized (marks reduction) if the report does **NOT** reflect the project demo.

**Marks:**

Stages	Description	Marks
Part 1	Proposal + Mock-up + Presentation	5%
Part 2	Coding (25%) + Final Report (5%) + Presentation (5%)	35%

**\*\* Use the same Github Repository with README.md file to submit your **proposal** and **final report**. I will refer to the **same URL** for the proposal and final report submission. If the contents of your README.md are **not updated** during the presentation, I will consider as **NO submission**.**

### Submission Methods

Stages	Submission Methods
Part 1	a) Prepare <u>proposal and mock-up</u> in a single file b) Submit through iTaleem.
Part 2	a) Upload all codes and elements to Github b) Final report documented using README.MD on Github c) Submit the Github link through iTaleem. d) Present the project in a given slot.

\*Members who are absent from the presentation (without valid reasons/ supporting documents) will be deducted 50% of the given marks

### Policy on late submission:

Duration	Penalty
Less than 2 days	50% marks deduction
More than 2 days	Zero will be awarded to all members