

Your project will be considered as a **PLAGIARISM** if:

1. The project is similar to the work submitted by other students within the same term, other terms or other sections.
2. The project is similar to any work found in the Internet or any other sources.

**Project resulted from plagiarism will receive a ZERO mark** and the students associated with the work will be reported to the Dean office for academic dishonesty case.

## Project Description:

Throughout this course you have been learning and acquiring key skills to successfully implement backend web development scripts and application. In this Project, you will be **working with a web application of your choice to reflect on your learning in this course especially related with the PDO, MVC and Laravel framework**.

The purpose of the final project is such that:

1. Students can exercise the skills they have learnt in class to build their own portfolio as part of a team.
2. Students will have the opportunity to go beyond the course by learning new technology and implementing it in their project.

Using the store in the Laravel book as a baseline, the amount of work that students will need to complete for the project be marked at its full potential will depend on the number of people in a group, where a student can create a team with two or three members.

## Project Submission Requirements

You need to choose one student as the main person who will contact the instructor for any query about the project and as the one who will submit the project. You need to create a folder named as Project-yzz-NN following the naming convention of the main student for the project. The project **must be submitted as a zip file**. Other type of compression (tar.gz, tar, bz2, rar) is not acceptable. Please **make sure to check whether your zip file can be unzipped and contains all the required files for the project to work properly**.

The zip file must have the following structure:

Name/structure	Details
Project-yzz-NN.zip	Submitted zip file
└─ Project-yzz-NN	The main folder of your project
└─ <your project name>	Your Laravel project
└─ Documentation	Your project documentation folder containing the following.
• video_link.txt	• link to your video presentation.
• project-yzz-NN.docx	• the project report

## Project Requirements

Item	Description	Marks
Functionality	<p><b>Base functionality</b></p> <ul style="list-style-type: none"><li>• Your Laravel web application needs to have at least three different views: the landing (home) page, the admin page, and the product/store/entity view.</li><li>• There should be at least N+1 numbers of models (database table) with N represents the number of students in a team. One of the models should be the user model such that the user of your web application may have different role, e.g., admin and normal user.</li><li>• The model objects (including users), corresponding views for each object and controllers for each object should be created</li></ul> <p><b>CRUD</b></p> <ul style="list-style-type: none"><li>• All objects in the Model must have views and controllers that at a minimum support Create, Read, Update and Delete (CRUD) Operations.</li><li>• Some of the CRUD operations may be restricted to administrative users, an administrative panel must be built for these specialized options, examples may include, cascading deletions, approval workflows, configuration of third-party Web Services and APIs.</li></ul>	12 points
API and web service	<ul style="list-style-type: none"><li>• Students must integrate a third-party web service (API) with their application, this could be something as simple as a web service that checks the weather, or a third-party service that saves images, or a data service that gives video game or movie statistics.</li></ul>	2 points
Documentation	<ul style="list-style-type: none"><li>• See the detailed requirement below</li></ul>	8 points
Video presentation	<ul style="list-style-type: none"><li>• See the detailed requirement below</li></ul>	5 points

Note: project submitted without any documentation and video presentation link will be given a ZERO mark

## Requirements for the Documentation and Video Presentation Components

### 1. Project Report

Prepare your report professionally. Your English writing skill and the structure/composition of the report is part of the marking. You must write the project report as paragraph text. You MUST NOT create project report consisting mostly of bullet points.

The report content must consist at least the following:

- **Title page** where you should write down the names and ID of the team member.
- **Introduction:** a brief description of the project
- **Project description:** describe the project's entities (models) and how the entities interconnect.
  - Describe the list of features your project has and why these features add value to your project.
  - Add ERD (Entity Relationship Diagram) and/or class diagram with PK/FK and cardinalities.
  - Specify the group member that is responsible for each model/view/controller.
  - Include a list of technology (as an extension beyond what was covered in the class) and the API from the third-party that you add as a feature in your web application.

- **Deployment manual:** Configuration documentation on how to get your program up and running.
  - o Please be advised that your software needs to be able to run on a lab computer with the included software, installation additional utilities, bits of infrastructure and other tasks will not be considered you must work within what is available on the lab computers.
- **Use manual:** A concise (up to 2 pages) of how user will use your web application.

## 2. Video presentation

A text file containing the URL of your video presentation needs to be included in the documentation folder. The video should be accessible to your instructor from the link without the use of additional accounts or login. **DO NOT submit your video file in your submission!** You can upload the video to YouTube and set it to be unlisted if you do not want to make it public. Your **Video must be kept to around 8 minutes**. The video should explain the following:

- A brief introduction about the team members
- A brief description about the project, the purpose of the project, and the entities involved.
- Demonstration of all the functions and features that you have in the project as well as all the requirements stated above, be very clear.

I would recommend using Zoom to record your video, all your group members should be present with their faces on zoom and present their respective contributions.

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