

# PROJECT INSTRUCTIONS

## Overview

This is a group project. Your group will be assigned a project theme by your tutor. Based on the project theme, your group will propose a project brief for a full-stack application and submit to your tutor for approval.

## Deliverables

1. A project brief approved by your tutor
2. A demonstration of your full-stack application to your tutor
3. A group report and documentations for your project
4. Project Source code

## Assessment Breakdown

**Refer to the project rubric on TP LMS for more details.**

## Milestones

Milestone	Marks	Date Due	Deliverables
Issue of Project	-	Week 1	
Project Proposal	-	Week 2, 3	Initial Project Brief
Mid-Term Project Assessment	20	Week 7, 8	Final Project Brief Entity Relationship Diagram Setup Version Control Basic full-stack application
Project Presentation & Submission	50	Week 16	Project Application Submission
	30	Week 17	Project Demonstration Project Report Individual Interview

# Requirements

## 1. Software

You are required to use the following software for this project:

- SQL Server Express
- GitHub
- Visual Studio Community Edition

## 2. Project Report

You are required include the following section for this project brief:

No	Section	Required Sections for the following submissions		
		Initial Project Brief	Final Project Brief	Project Report
1	Introduction	Yes	Yes	Yes
2	Overview and Goal	Yes	Yes	Yes
3	Target Audience and Users	Yes	Yes	Yes
4	Competitors Research	Yes	Yes	Yes
5	Design Requirements and Specifications	Yes	Yes	Yes
6	Project Schedule	Yes	Yes	Yes
7	Project Deliverables		Yes	Yes
8	Storyboard		Yes	Yes
9	Design Documents			Yes
10	Conclusion			Yes
11	Reflections			Yes
12	References			Yes
13	Appendix			Yes

**Refer to the report template on TP LMS for more details.**

## 3. Implementation

Your full-stack application must fulfill the following minimum requirements:

- It must be a Microsoft .NET Blazor Application
- It must use Microsoft SQL Server
- Apply Model-View-Controller framework in the application
- The application must have the following:
  - User authentication (User login) and User Management (Identity Server)\*\*
  - Landing Page\*\*
  - Page Navigation\*\*
  - Content Management (CRUD)
    - At least 2 entities per group member
    - Group members are not allowed to share entities
    - Each entity must have forms to create, list, details, update, and delete
    - Forms must have validation
  - Global Error Handling
- Source Code posted on private GitHub account

**\*\*For mid-term project assessment, the yellow highlighted pointers are required modules to complete before submitting the basic full-stack application.**

#### 4. Demonstration

Each group member will be given 10 minutes to present the following:

- a) Brief introduction of your project
- b) Demonstrate the full-stack application completed by the member
- c) Show tutor your GitHub repository

#### 5. Individual Interview

Each group member will be interviewed and the tutor may conduct the following:

- a) Questions and Answers
- b) Explanation of source code and/or project implementation
- c) Impromptu change request for your project

#### 6. Project Submission

Each group will require to submit the following:

- a) Upload Project Report to LMS
- b) Zip the source code and upload it to LMS  
[We must be able to open up your solution file and run the project.  
You need to also include the database script file for the creation of the database (if that is not included in the .Net project)]
- c) Post the source code to GitHub

#### 7. School Rules

- a. Late Submission
  - i. If you submit within the next 3 calendar days from the deadline, you will only be awarded a maximum of 80% of the actual mark. *E.g. Deadline is Friday, and you submit by Monday.*
  - ii. If you submit after 3 calendar days from the deadline, you will be awarded 0 mark. *E.g. Deadline is Friday, and you submit on Tuesday or later.*
- b. Plagiarism – Student will be dealt with according to school rules. Refer to student handbook.

**ANNEX A**

Possible project theme

	Games		Food Delivery
	Travel Itinerary		Dating Apps
	Healthcare Monitoring		Online Pharmacies
	Event Registration		Financial Tips
	Restaurant Reservation		Food Nutrition
	Transport Booking		Job Board
	Sell & Swap Goods		Product Review
	Others:		