



اونیورسیتی ملیسیا فهغ السلطان عبد الله
UNIVERSITI MALAYSIA PAHANG
AL-SULTAN ABDULLAH

BCS3153

SOFTWARE EVOLUTION & MAINTENANCE

SEMESTER I SESSION 2025/2026

GROUP PROJECT

LAB SECTION: 01A

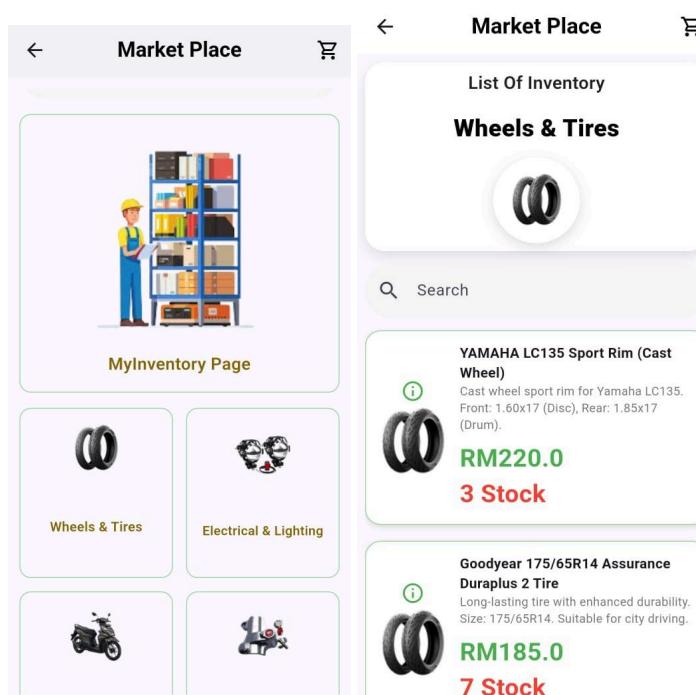
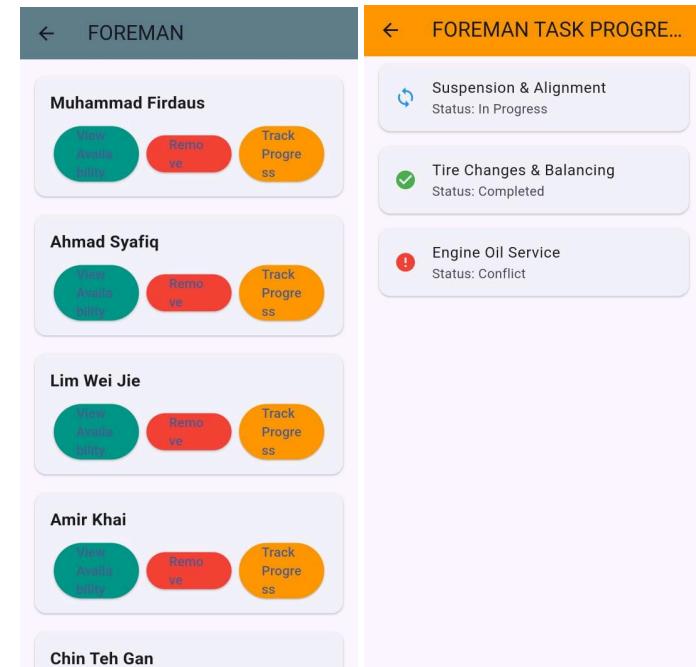
STUDENT DETAILS:

NAME	STUDENT ID	STUDENT PHOTO
MUHAMMAD AKMAL BIN MOHAMED RAZELAN	CB22068	
MOHAMAD DANIAL NABIL BIN MOHAMAD YUSOF	CB22151	
JUEL JUSTINE	CB22160	
AHMAD IKHWAN BADZLI BIN ABRIZA	CB22037	

Update Progress

• Find The Problem And Issue

- 1) **Inconsistency & Unattractive Interface:** The interface throughout the application is not consistent or engaging. For example, the scheduling module appears disconnected from the rest of the system. It lacks visual appeal and does not blend well with the overall design, which reduces user experience and satisfaction.



2) Features and Requirements Not Functioning Properly As Expected

a) Payment API Integration Issue:

The Payment API does not work as expected and fails to integrate smoothly with the system. This affects key operations that depend on online payment processing.

Enhance business process

b) Rating Module:

The current rating feature does not fully support the system's purpose. It lacks proper functionality for workshop owners to assess workers or for staff to give feedback about the workshop environment.

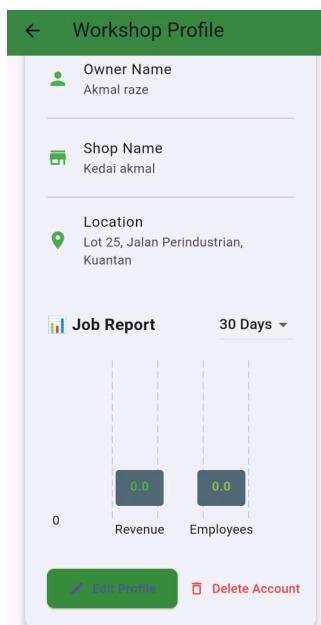
c) Security Issues:

Users are able to register without providing proper documentation, which can lead to unauthorized access or potential misuse.

Additionally, the system allows users to create weak passwords. Strong password requirements should be enforced, such as a minimum of 8 characters, including numbers or special characters, to ensure account safety.

d) Report Analysis Module Not Fully Completed:

According to the SRS Document, the system should generate a monthly report summarizing all work completed by the foreman. This allows the workshop owner to review performance and employee history. However, the current report does not capture the complete information needed and appears unfinished.



- **Discuss the solution**

- 1) **Redesign the Interface (*Perfective Maintenance*)**

Improve the user interface by applying a consistent theme and layout across all modules. This will enhance usability and create a more professional and seamless user experience.

- 2) **Enhance System Requirements Implementation**

Review and refine the existing system requirements to ensure every feature aligns with user needs and project objectives. Missing or unclear requirements should be updated to avoid future issues.

- a) **Use a More Suitable API (*Perfective Maintenance*)**

Replace the current Payment API with a more reliable and compatible option that integrates smoothly with the system and supports stable payment processing.

- b) **Improve the Rating Feature (*Perfective Maintenance*)**

Allow workshop owners to rate their workers after job completion. Additionally, enable staff to provide feedback about the workshop they have worked in. This enhancement can improve transparency, fairness, and overall system functionality

- c) **Update Manage User & Strength Authentication (*Preventive Maintenance*)**

Improve the registration process by requiring proper documentation before account creation. Implement stricter password requirements such as a minimum of 8 characters, including numbers or special character to ensure secure user authentication.

- d) **Report Modules(*Perfective Maintenance*)**

Enhance the existing report generation module to ensure it can produce complete, relevant, and meaningful reports. The updated module should provide information that is useful and impactful for both workshop owners and staff.

Next Week

- **Understand the Issues & Distribute the Work**

Begin by reviewing and understanding all the issues identified in the system. Then distribute the work among group members.

- **Outline the Change Requests (CR)**

Use the CR form that was previously created to outline the necessary change requests. Categorize each issue clearly so the team can track, prioritize, and approve changes systematically.

- **Begin the Improvement Process**

Once the CRs are outlined and approved/agree by all group members, start implementing the required enhancements. This includes redesigning the interface, fixing system requirements, improving modules, and addressing all technical issues identified.

- **Setup github**