



WeGoo Car Rental Mobile Application

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WEGOO MOBILE APPLICATION ORGINAZATION CHART

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INTRODUCTION

WeGoo is a modern car rental application designed to make renting and managing vehicles easier, faster, and more reliable. With a simple interface, users can search, compare, and book cars that match their needs and budget. The app also integrates OpenCV technology to improve user experience through smart image detection features. By connecting users with trusted rental services, WeGoo provides a convenient, efficient, and intelligent solution for today's mobility needs.



PROBLEM STATEMENT



**Lack of proper
digitized mobile
application**

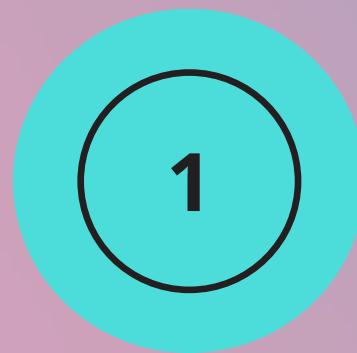


**Existing system may
not offer reliable
booking with
integrated payment
features.**

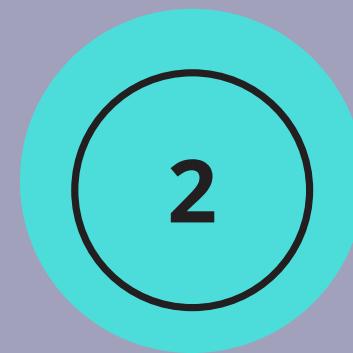


**Several apps ignore
the use of advanced
technologies like
OpenCV to detect
vehicle damages
accurately.**

OBJECTIVE



To develop a car booking and management mobile application called WeGoo.



To provide reliable booking, comparison, and payment features



To test the functionality of the application and the OpenCV scratch detection feature

PROJECT FEATURES

1

Login & Sign Up (both admin and user)

- Allows both users and admins to create accounts and securely access the system with personalized roles and permissions.

2

Booking System

- Enables users to easily select, reserve, and confirm vehicle rentals through a fast and streamlined booking process.

3

OpenCV Powered

- It uses advanced image processing to automatically detect and highlight vehicle scratches or damages, giving users a faster, more accurate, and transparent way to check car conditions before and after rentals.

4

Search and Filter

- Allows users to quickly find vehicles based on specific criteria such as type, price, availability, or features, making the selection process faster and more convenient.

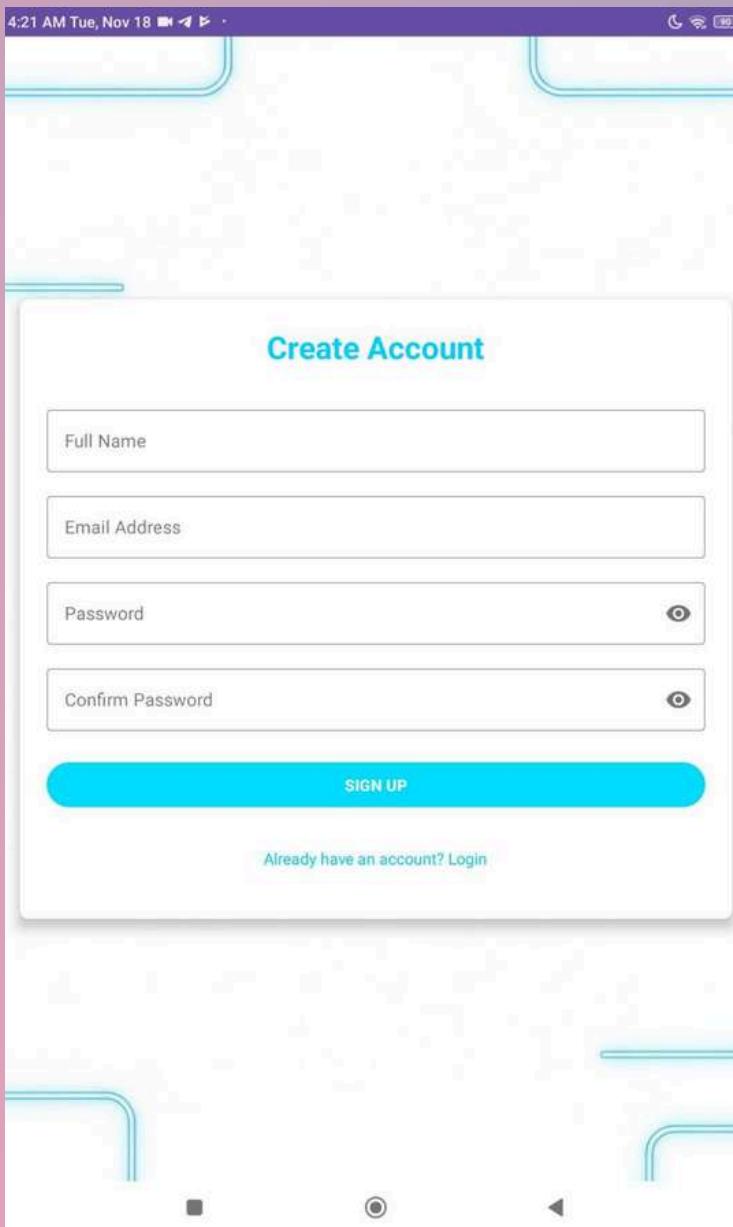
5

Build in Google Maps

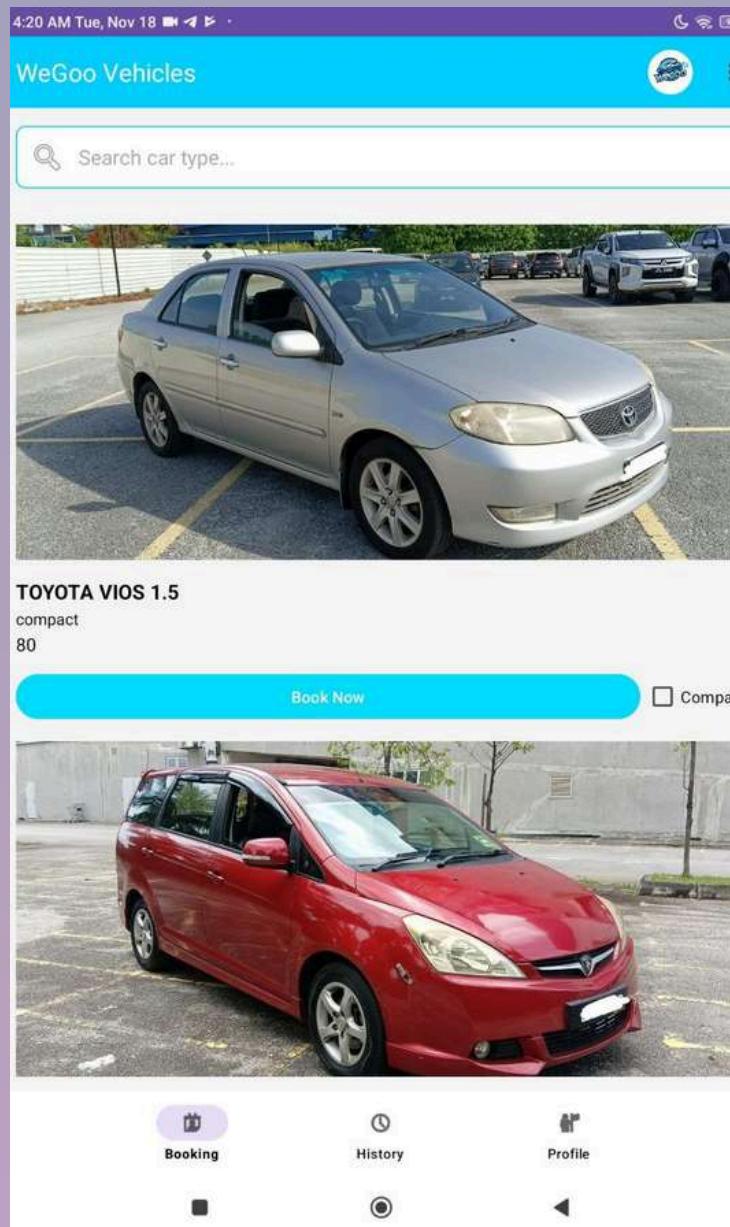
- Integrates Google Maps to help users locate rental vehicles, view routes, and navigate to pick-up or drop-off points easily.

GUI

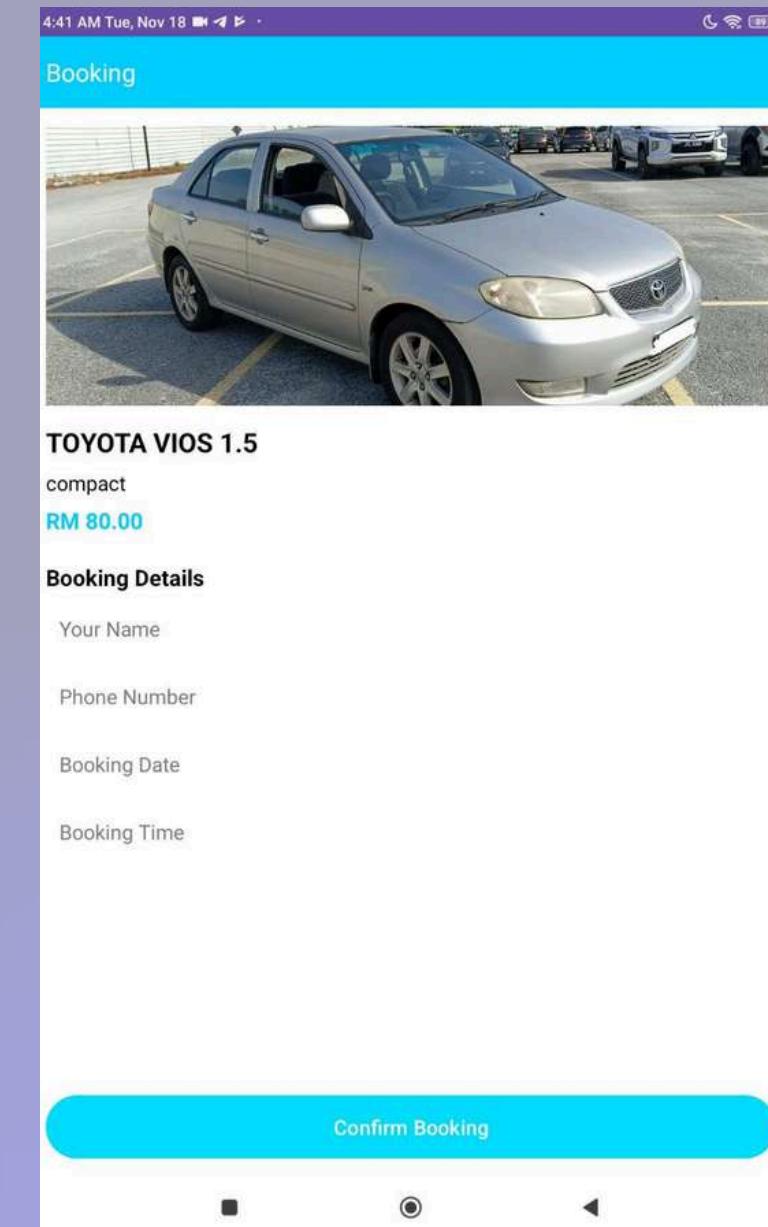
Sign up



Homepage

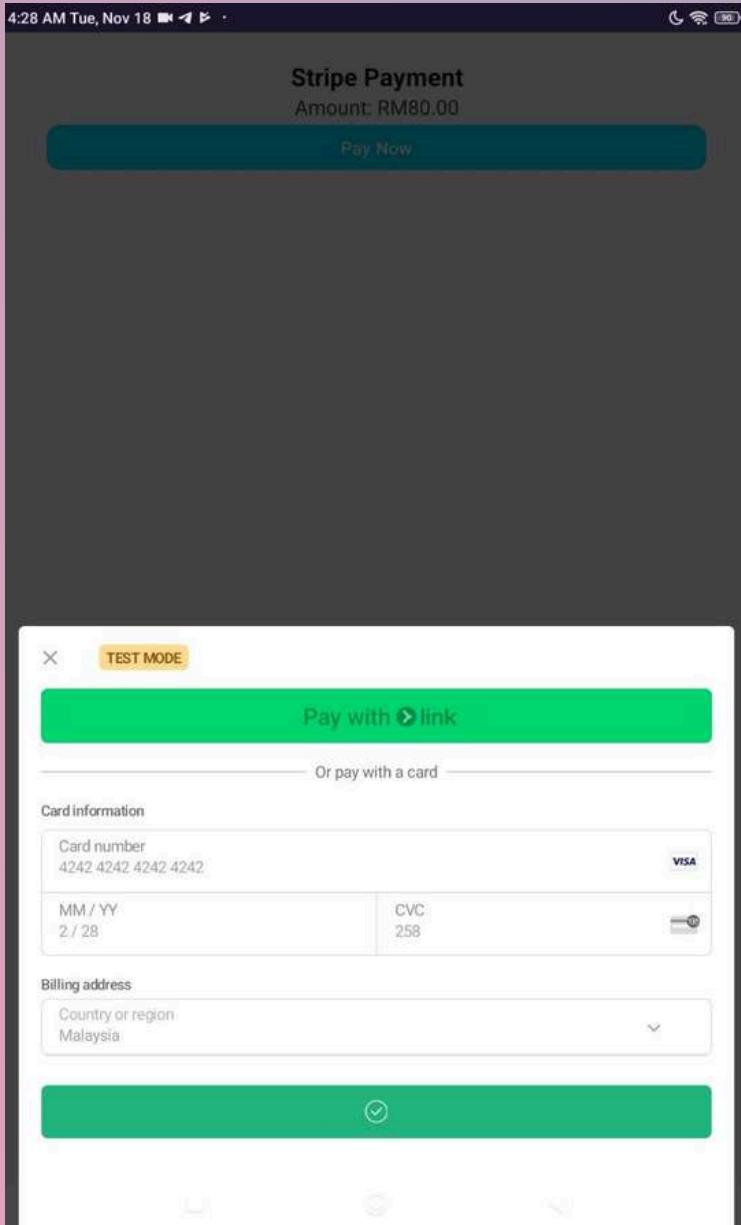


Booking

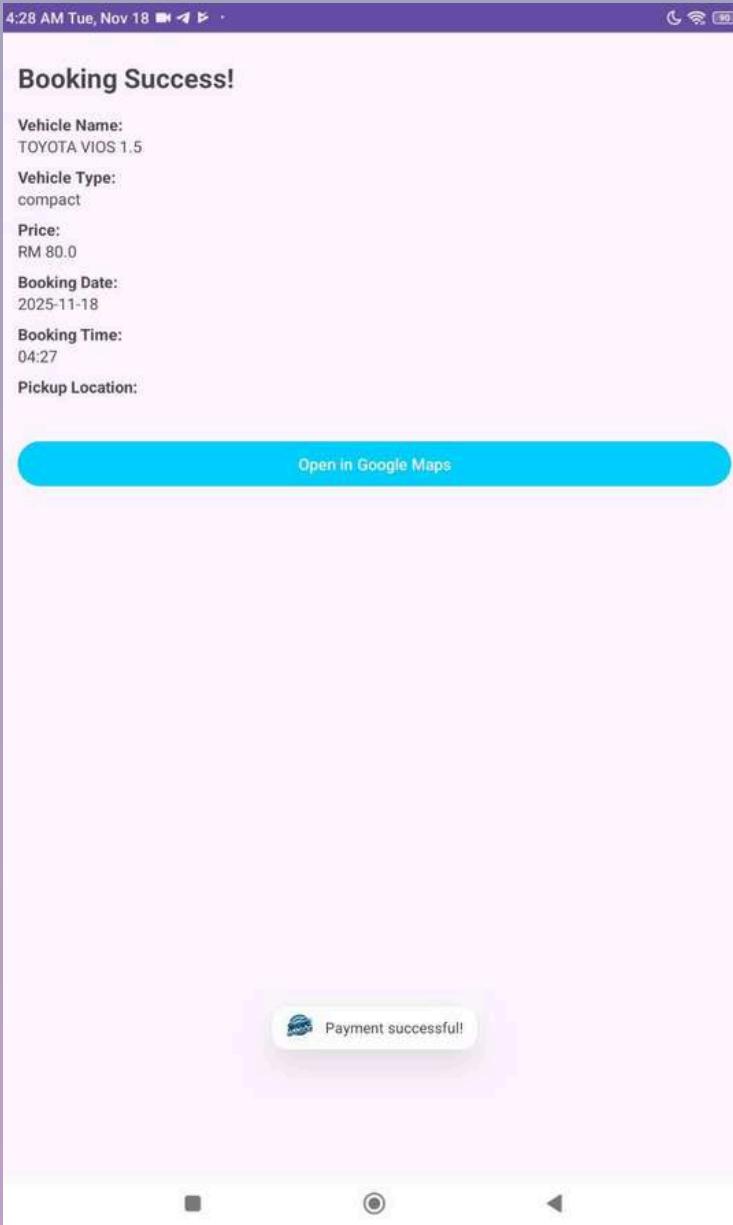


GUI

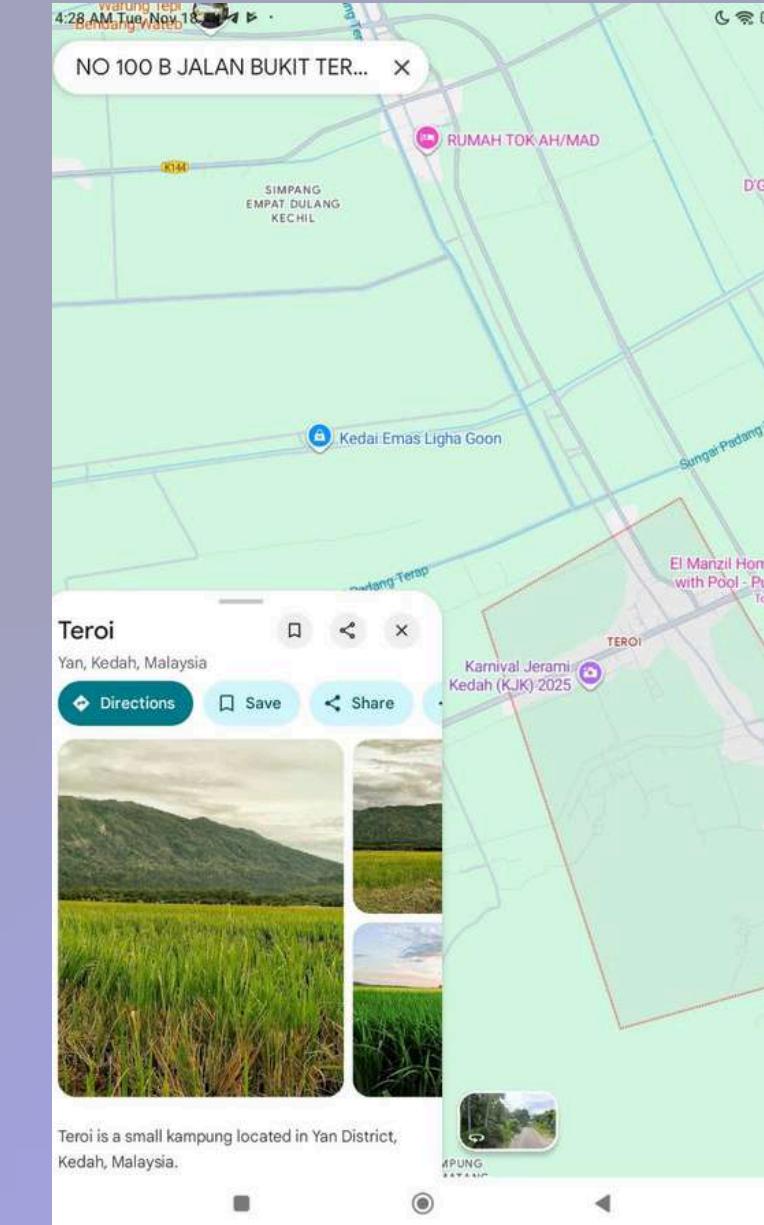
Payment Gateway



Booking Result

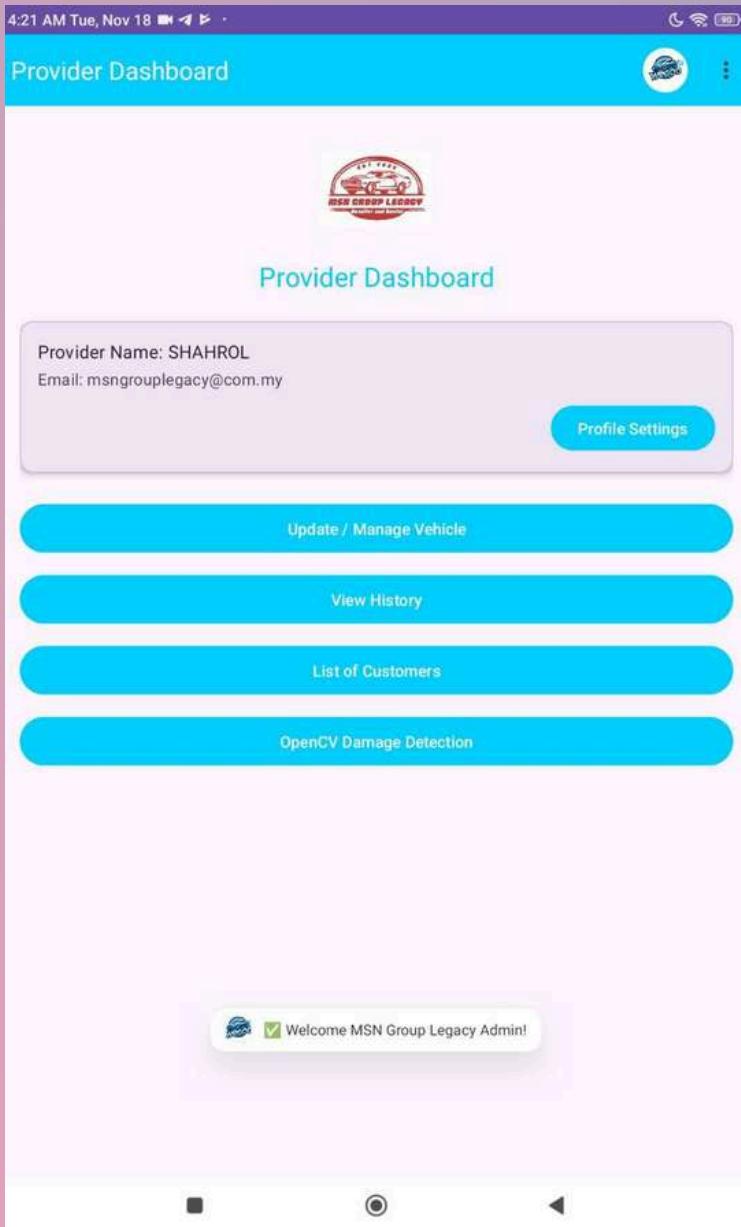


Google Map

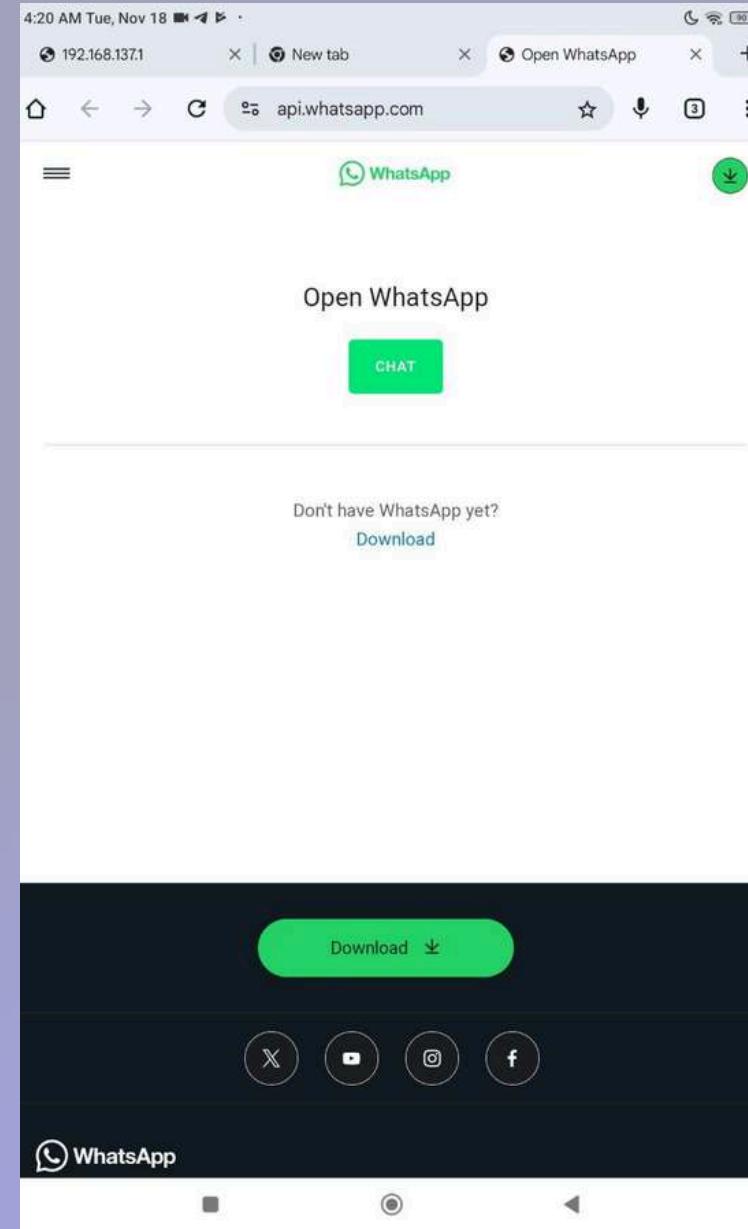
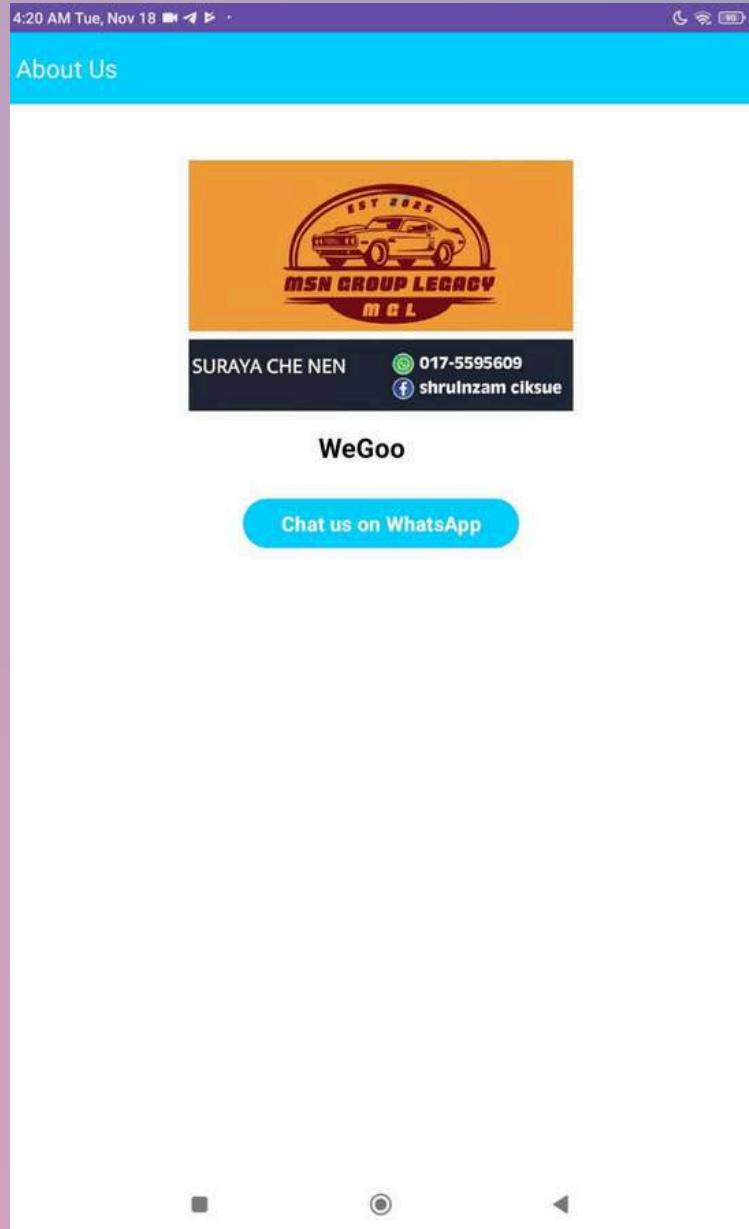


GUI

Provider management

A screenshot of the "Update Vehicle" form. The title "Update Vehicle" is at the top left, with a back arrow icon. Below the title is a large image of a dark-colored car. The form consists of nine input fields: "Vehicle ID (for Update/Delete)", "Vehicle Name", "Vehicle Type", "Price (RM)", "Fuel Type", "Engine Capacity", "Seating Capacity", "Color" (with a color picker icon), and "Transmission". Each field has a placeholder text and a small "Welcome MSN Group Legacy Admin!" message box at the bottom right.

GUI





TESTING



Postman is a simple and user-friendly tool used for testing APIs. It allows developers to send requests to a server and instantly view the responses. With Postman, you can check if your backend system is working correctly, test different inputs, and make sure your application communicates with the server as expected. It also helps in identifying errors quickly, making the development and debugging process easier and more efficient.