

MPL Idea Summary

Problem Statement:

Traditional car rental services face issues like lengthy booking processes, lack of transparency in pricing, security concerns, and limited digitalization. Users often struggle with last-minute bookings, secure payments, and vehicle availability.

Project Description:

This Flutter-based car rental app aims to provide a seamless and secure car booking experience. It offers an intuitive UI, AI-powered car suggestions, and smart security features like biometric authentication and QR code unlocking. The app ensures flexible rental plans, instant vehicle swaps, and transparent cost breakdowns for users.

Key Features:

1. **AI-Based Car Suggestion** – Personalized car recommendations.
2. **QR Code Unlocking** – Contactless access to rental vehicles.
3. **Geofencing Alerts** – Prevents unauthorized vehicle movement.
4. **Augmented Reality (AR) Car Preview** – 3D car models before booking.
5. **Multi-User Rental** – Allows multiple drivers under one booking.
6. **Split Payment** – Users can share rental costs with friends.
7. **AI-Based Damage Detection** – Automatic scanning for damages.
8. **SOS & Live Video Support** – Emergency assistance with location tracking.

Conclusion:

This app enhances the car rental experience by integrating AI, security, and flexible booking options. By addressing the inefficiencies of traditional rentals, it provides a modern, user-friendly, and secure solution for hassle-free car hiring.