

Project Proposal

Park Every Car (PVC)

Team Members

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Introduction

We plan to make an automated car parking ticketing system. We want to implement a new application for users to make payments for using a parking site by paying through an online wallet. We plan to make the ticketing system faster and efficient by automating it.

Implementation Details

User Login

Every registered person will have his account linked with our app and stored in the database. The account will have the car details of multiple cars registered with itself. The user would be notified every time the balance is deducted.

Parking

A user can scan a QR code at the entrance of the parking, following which the gate will open and the driver would be allotted a space to park, based on the number of available parking spots on different floors. The number of empty spots will be tracked to prevent overfilling. When leaving, user can again scan a QR code present on the exit and send request to server to stop charging for using the services.

Payment Wallet

A wallet would be linked with the account of the user, from which money would be deducted at regular intervals.

Parking Police

If any parking personnel wants to know the details of any parked car, he/she can do so by entering the license number of the car. The details may include owner's name, time since parked, etc. There would also be an option to send a message or a reminder to the user.