

# Smart Parking System User Manual

## Introduction

Welcome to Park me! This app is designed to make finding and booking a parking space in busy areas a breeze. Whether you're heading to work, shopping, or simply out for a day, our app helps you locate available parking spots, book them in advance, and pay for them seamlessly. The app is intuitive and user-friendly, allowing you to manage your parking needs efficiently without the hassle of searching for a spot.

## Project Overview

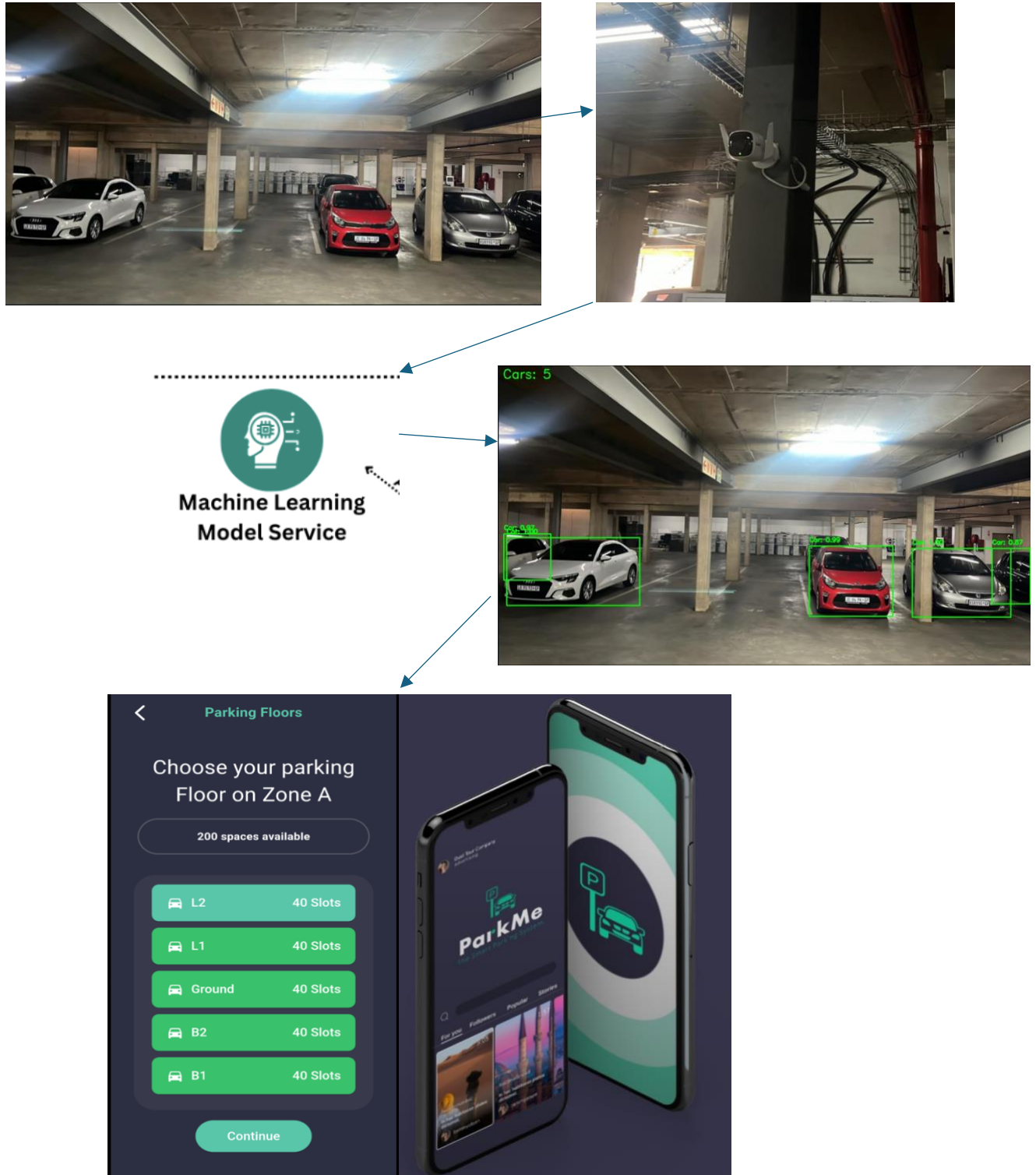
Park me – the smart parking system is an innovative application that provides real-time parking information and booking capabilities. It uses advanced technologies like cameras and machine learning to detect and predict the availability of parking spaces in specific areas where the system is implemented.

### Key Features:

- **Real-Time Parking Availability:** The app uses cameras to monitor parking areas and detect available spaces.
- **Booking and Reservations:** Users can reserve parking spots in advance, ensuring they have a space when they arrive.
- **Payment Integration:** Pay for your parking directly through the app using various payment methods.
- **User Profile Management:** Easily manage your vehicle information, payment methods, and booking history.

# System Architecture

Below is a graphical representation of how the Smart Parking System works. This diagram shows the interaction between the user's mobile device, the parking area cameras, the central server, and other components.



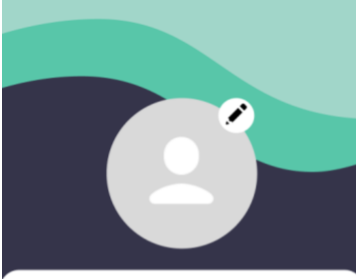
# Getting Started

## 1. Downloading the App

- The Smart Parking System app is available on both Android platforms. Visit the Google Play Store or Apple App Store and search for "Park me" Download and install the app.

## 2. Creating an Account

- Open the app and click on "Sign Up" to create a new account. You'll need to provide basic information such as your name, email, and phone number.
- You'll then receive an OTP (One-Time Password) via email to verify your account
- You will need to register your car, you can also choose to skip
- You will then need to enter your card details, you can also choose to skip for now



The sign up screen features a header with a teal and dark blue wavy background and a circular icon containing a person silhouette. Below the header, the title "Sign up" is displayed in teal. The form consists of four rounded rectangular input fields for "Name", "Phone", "Email", and "Password". A teal "Sign up" button is positioned below the fields. Underneath the button, the text "Or Sign up with" is followed by three social media icons: Facebook, Google, and Apple. At the bottom, a link reads "Have an account? [Login](#)".

Sign up

Name

Phone

Email


Password

Sign up

Or Sign up with

f G Apple

Have an account? [Login](#)



The "Add Your Car" screen has a header with a teal and dark blue wavy background and a circular icon containing a car silhouette. The title "Add Your Car" is shown in teal. The form includes five rounded rectangular input fields for "Make", "Model", "Colour", and "License Plate Number". A teal "Add Car" button is located below these fields. At the bottom, there is a link that says "Skip for now".

Add Your Car

Make

Model


Colour

License Plate Number

Add Car

[Skip for now](#)

### Add Card



Card Number

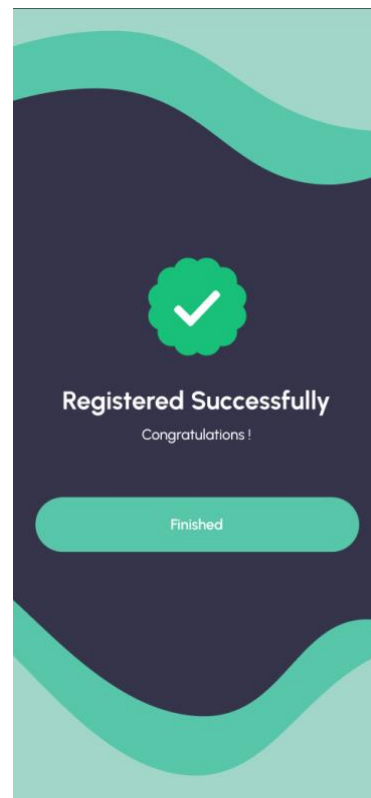
Holder Name

MM/YY CVV

0/4 0/3


Continue

[Skip for now](#)



### 3. Logging In

- Enter your registered email and password to log in. You can also log in using your Google or Apple account.



**ParkMe**  
The Smart Parking System

### Log in




Email

Password

☐ Stay logged in? [Forgot Password?](#)

Login

Or Login with

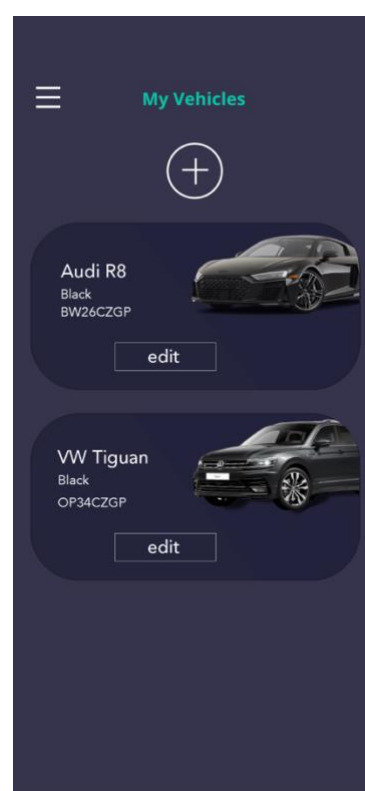
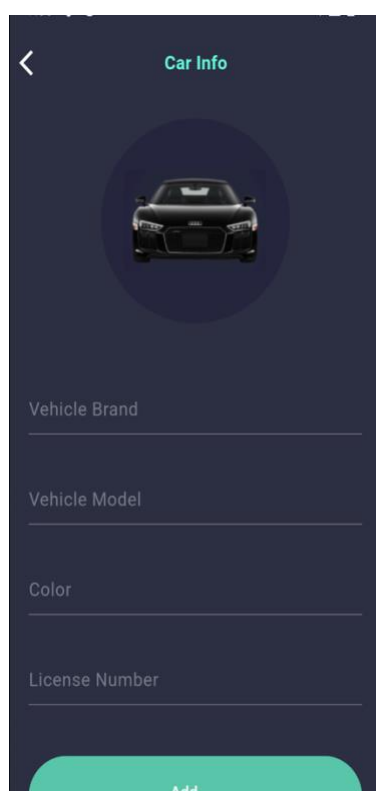
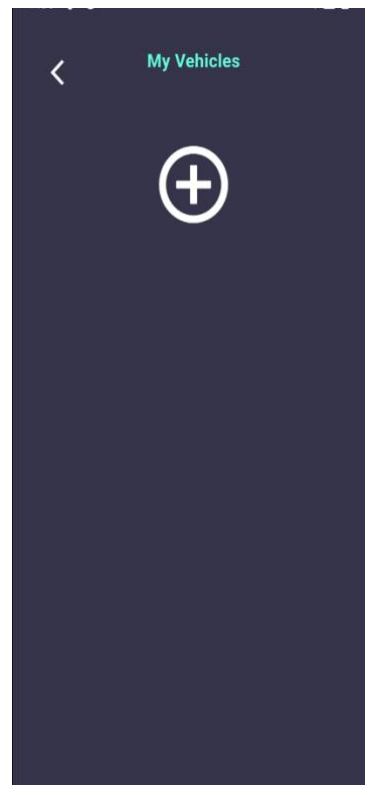
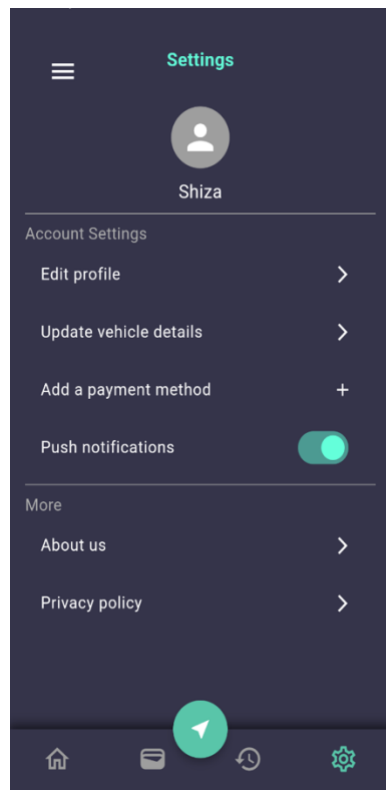


[Don't have an account? Sign up](#)

# Detailed Use Cases

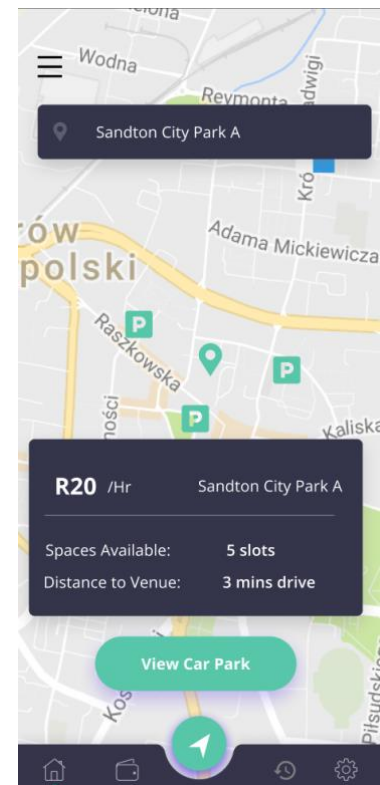
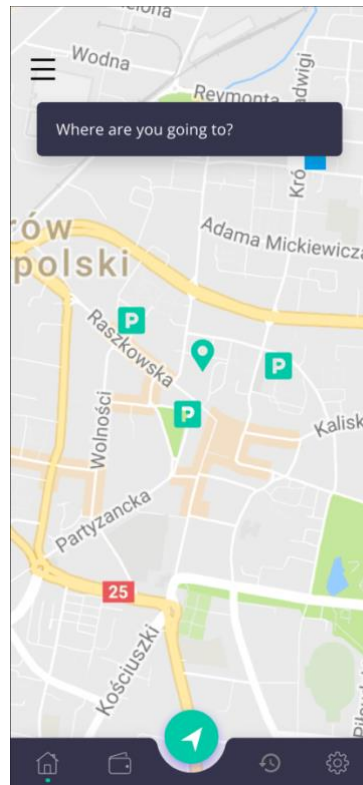
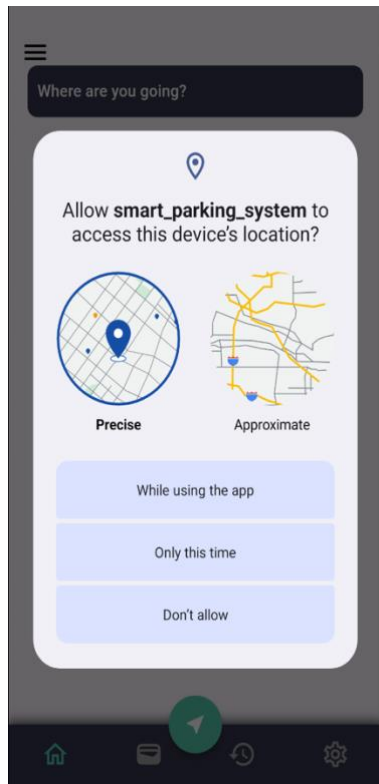
## 1. Registering a Vehicle

- Navigate to the "Update vehicle details " in user profile section.
- Enter the vehicle's details, including make, model, color, and license plate number.
- Save the information to complete the registration.



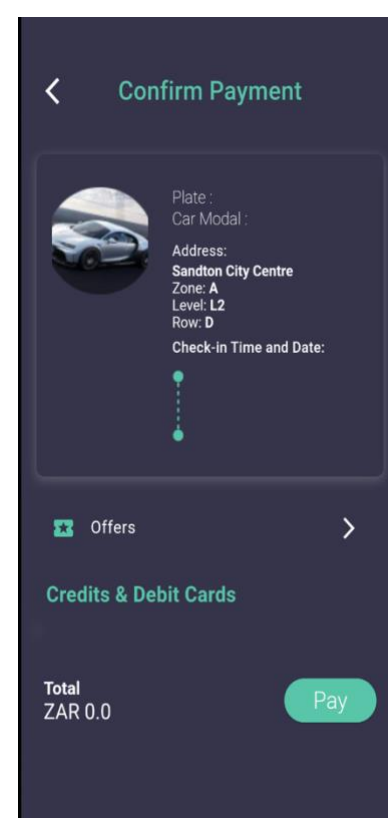
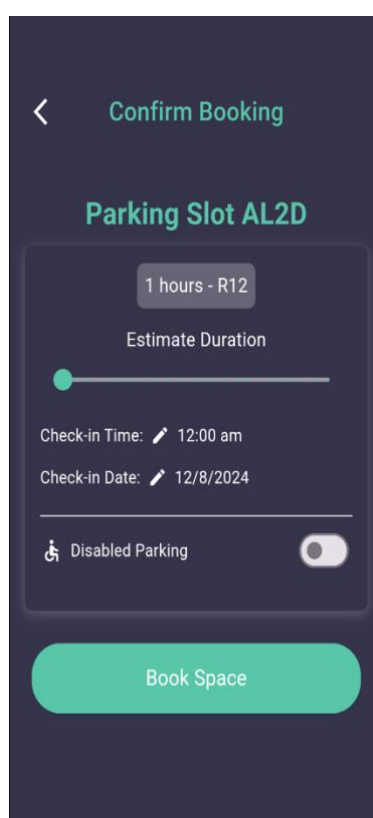
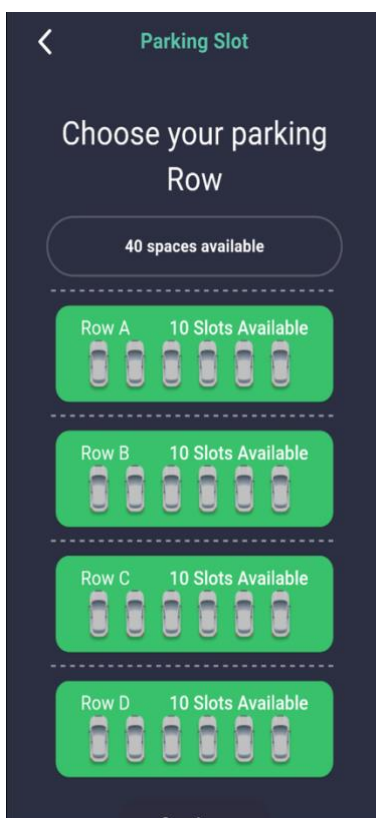
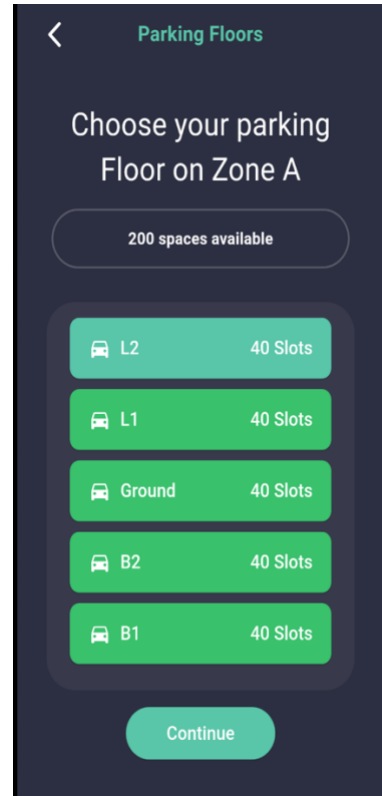
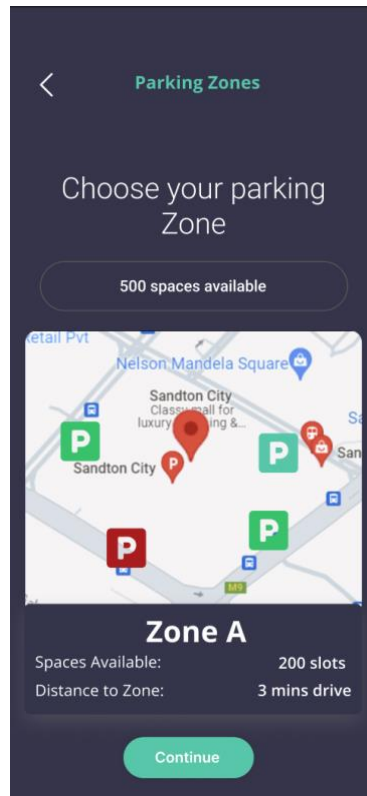
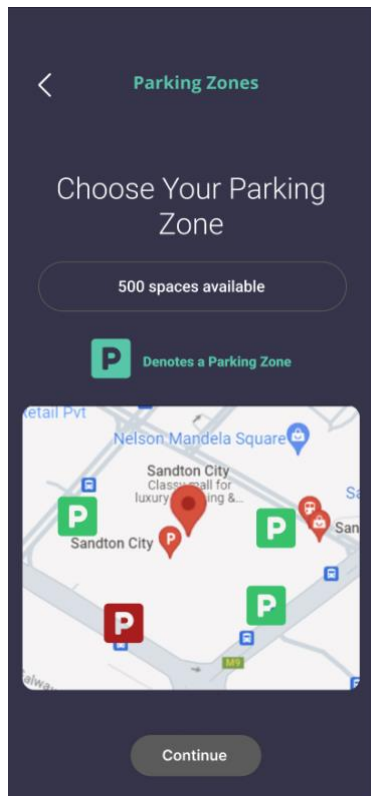
## 2. Searching for a Parking Space

- On the main page, enter your destination in the search bar.
- The app will display available parking zones near your destination.
- Choose the desired parking zone to view available spaces.

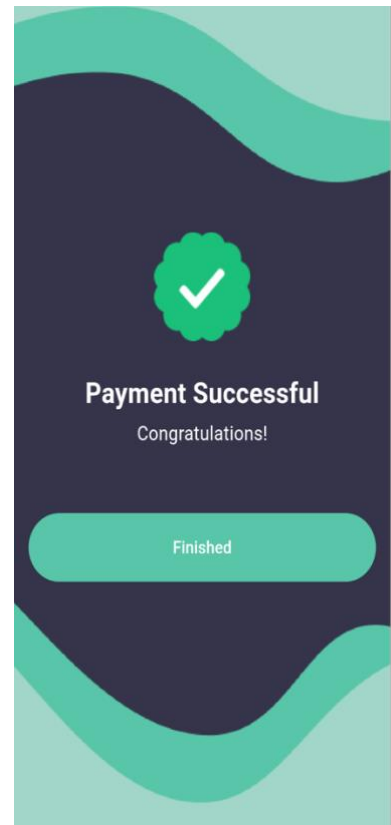
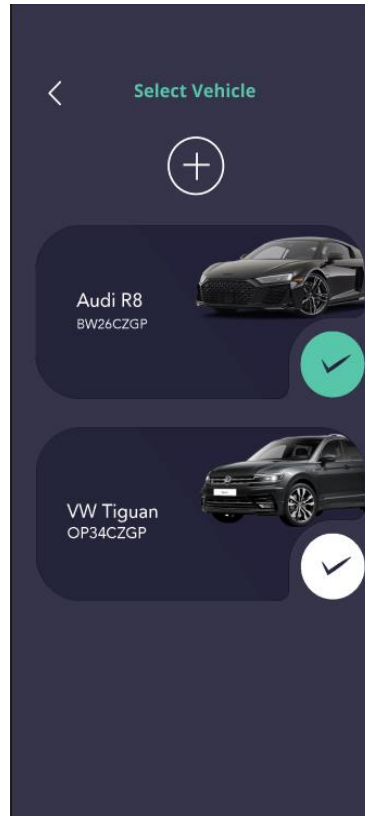
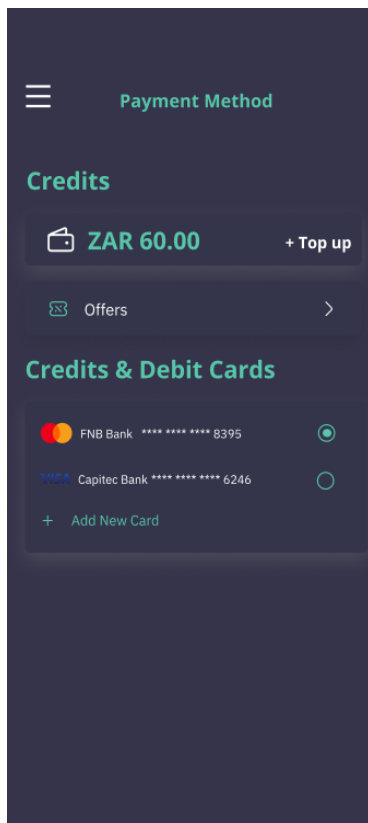


### 3. Booking a Parking Space

- After choosing a location, select a parking zone
- Choose a specific parking floor.
- Choose a specific row
- Specify the duration of your parking.
- Confirm your booking details.
- Complete the payment using your preferred method.
- Choose vehicle if more than one are registered

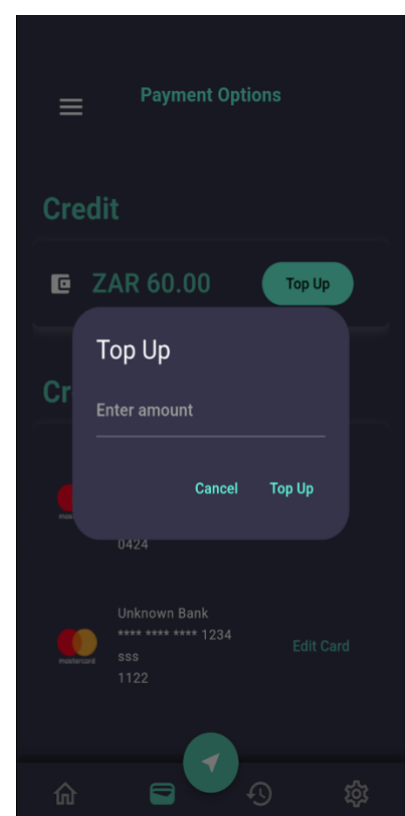
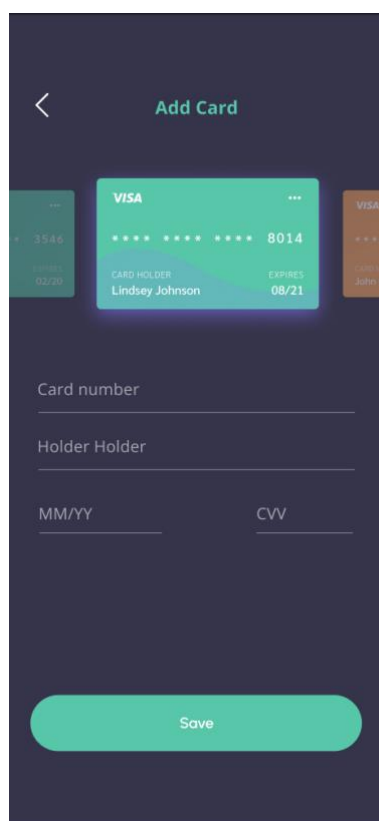
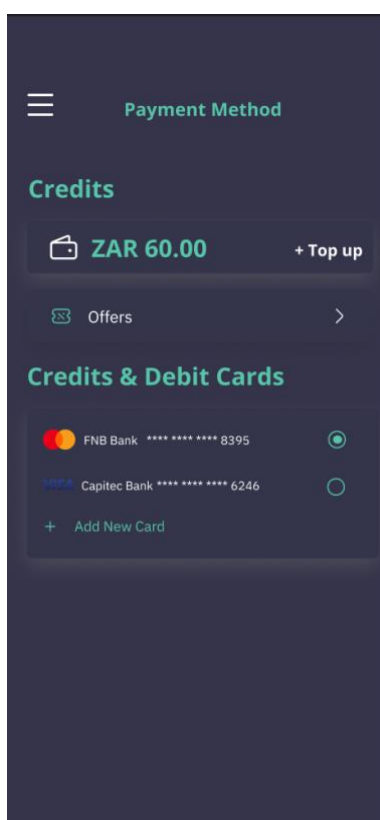






#### 4. Payment Process

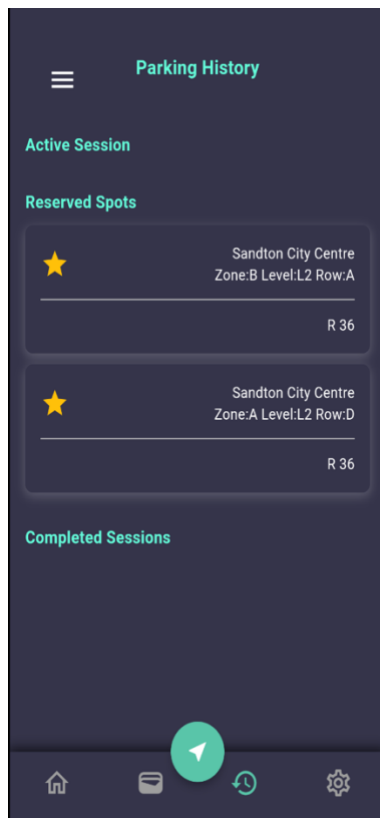
- The app supports multiple payment methods, including credit/debit cards and in-app credits.
- You can view your payment history and manage your saved payment methods in the user profile.





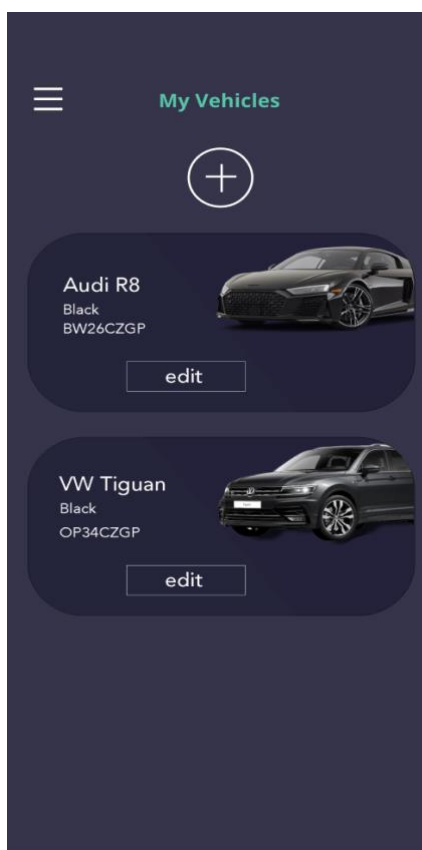
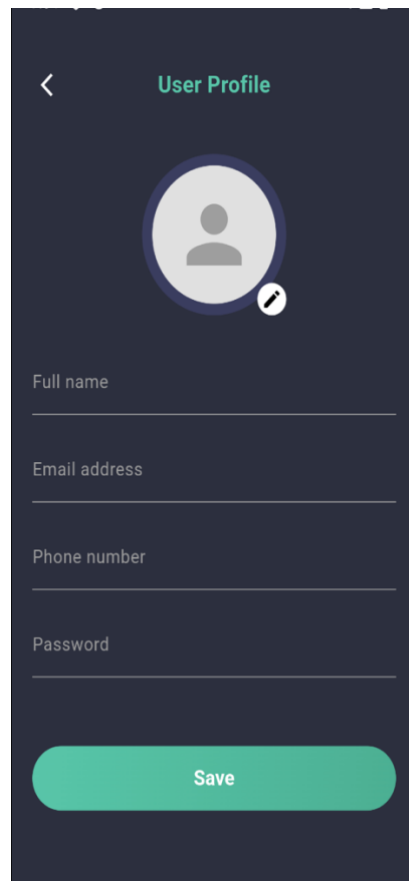
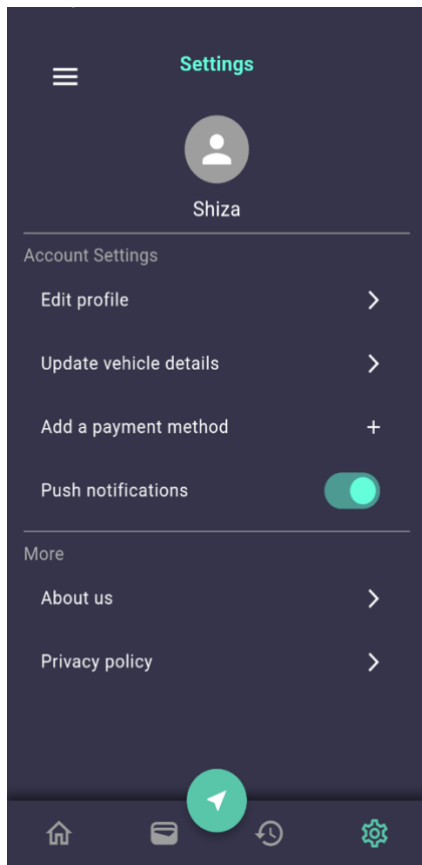
## 5. Viewing Booking History

- Navigate to the "History" section under the menu.
- View details of your past bookings, including dates, times, and payment amounts.



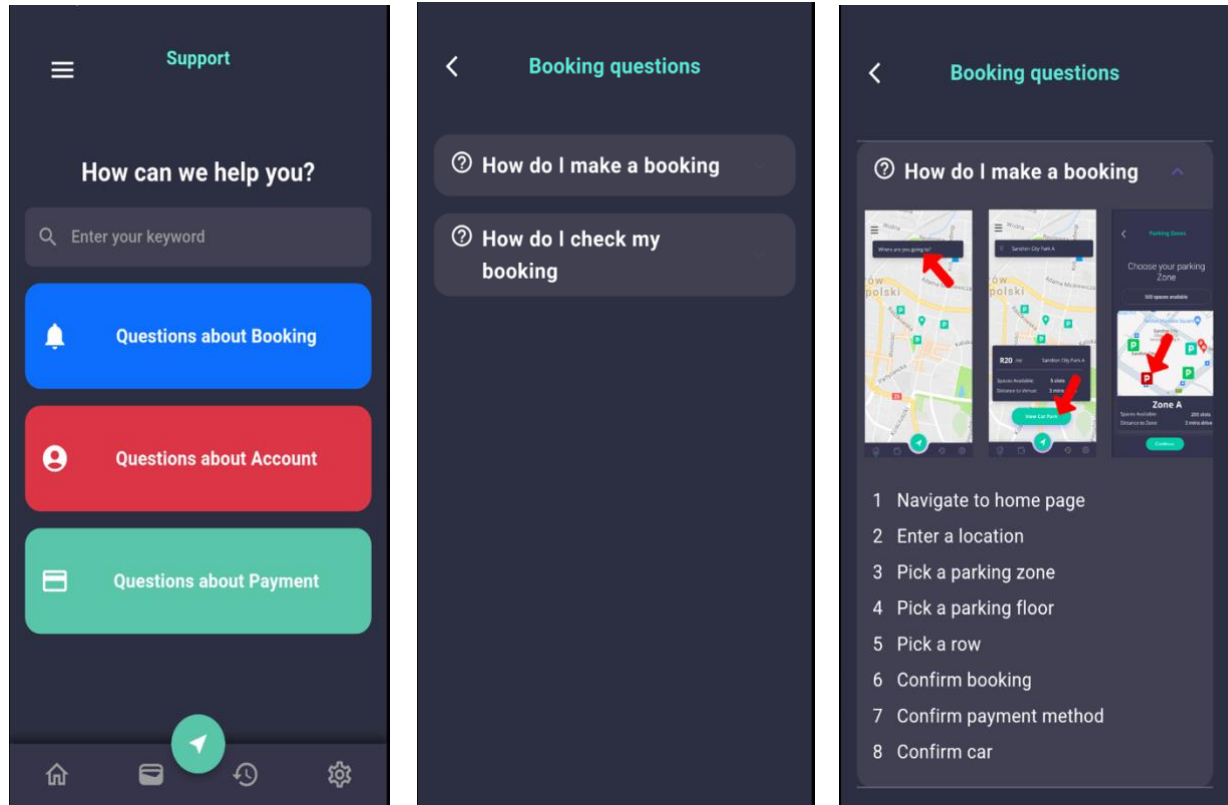
## 6. Managing User Profile

- Update your personal information, including your phone number and email.
- Edit or remove registered vehicles.
- Manage notifications and app settings.



## Support and FAQs

If you encounter any issues or have questions, the "Support" section in the app provides answers to common questions about booking, payments, and account management.



## Conclusion

Thank you for choosing Park me. We hope this app makes your parking experience as seamless as possible. Should you have any further questions or need assistance, please reach out through the support section of the app.