

CAR POOL

- Contributors

Pooja Mane

Sriharsha Makineni

CAR POOL

Details -

GitHub Repository:

<https://github.com/mpooja1/Car-Pooling>

Licence:

“MIT License”

Contact Information:

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CAR POOL

Current Functionalities developed

- User Sign-in / Register
- Update Personal Information
- Offer ride to destination
- Book ride to specific destination
- Sending ride information through email

Future Enhancement

- Add maps functionality
- Get real time vehicle data for paid/free service
- Integrate with a Payment gateway service
- Introduce reward points to increase the number of customers

CAR POOL

Decisions

Success-

- Learnt Android app development using Android Studio.
- Learnt using Kinvey mBaaS and writing Business Logics.
- Learnt new functionality of sending e-mails by developing the Business Logic on JSON data units in Kinvey.

Failures-

- Setting a live GPS using Google Maps API.

Struggles-

- Finding online backend database to manage data used by application.
- Developing Maps Functionality.

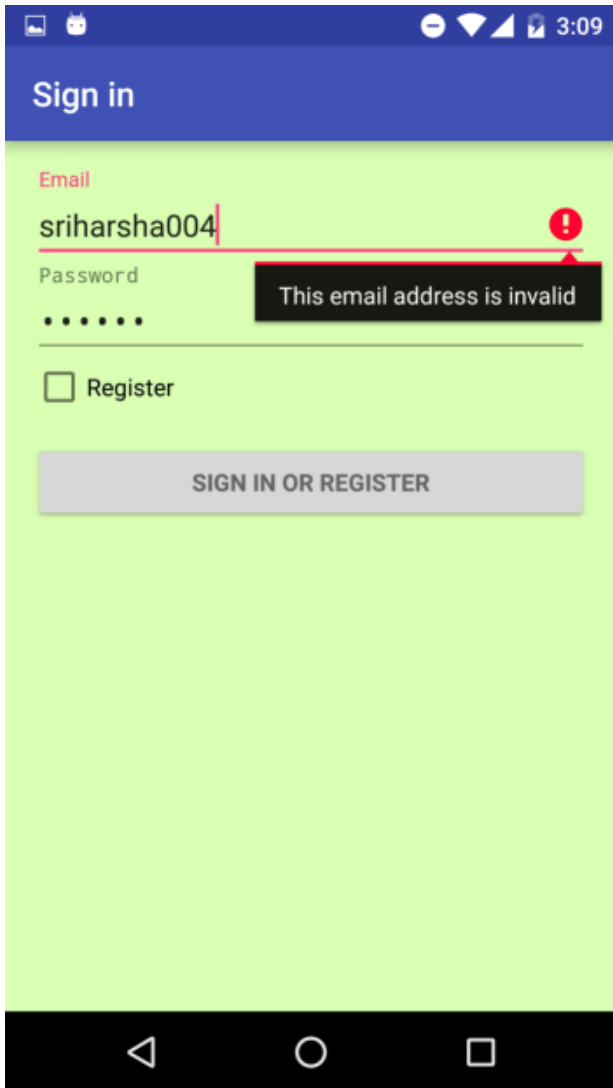
CAR POOL

Lessons Learnt

- Using Github
- Using Android studio for creating app
- Use of Google API Services while developing app
- Google Maps on emulator
- Database Integration using Kinvey (OpenSource mBaaS)
- Developing Business Logics on data units which are stored as data objects using a JSON representation in the backend.
- Pair Programming

CAR POOL

User email validation



A mobile app interface for user email validation. The screen has a blue header with the text "Sign in". Below the header, there is a light green background. The "Email" field contains the text "sriharsha004" and has a red exclamation mark icon to its right. A black error message box with white text "This email address is invalid" is positioned below the email field. The "Password" field contains six dots. Below the password field, there is a checkbox labeled "Register". At the bottom, there is a grey button with the text "SIGN IN OR REGISTER". The Android navigation bar is visible at the very bottom.

Sign in

Email

sriharsha004

! This email address is invalid

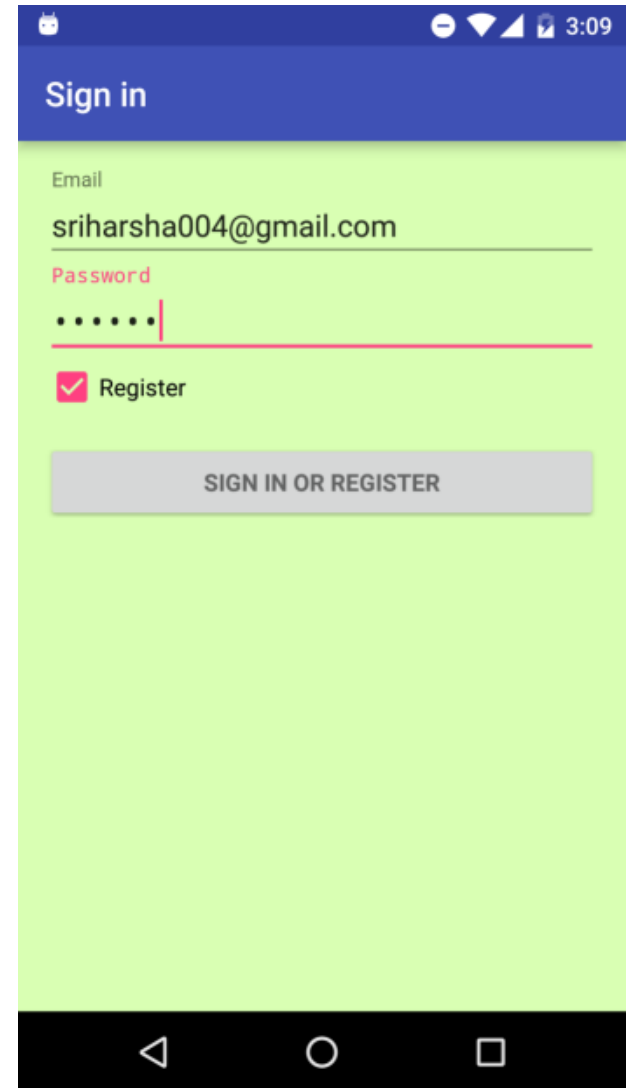
Password

.....

☐ Register

SIGN IN OR REGISTER

User Registration



A mobile app interface for user registration. The screen has a blue header with the text "Sign in". Below the header, there is a light green background. The "Email" field contains the text "sriharsha004@gmail.com". The "Password" field contains six dots. Below the password field, there is a checked checkbox labeled "Register". At the bottom, there is a grey button with the text "SIGN IN OR REGISTER". The Android navigation bar is visible at the very bottom.

Sign in

Email

sriharsha004@gmail.com

Password

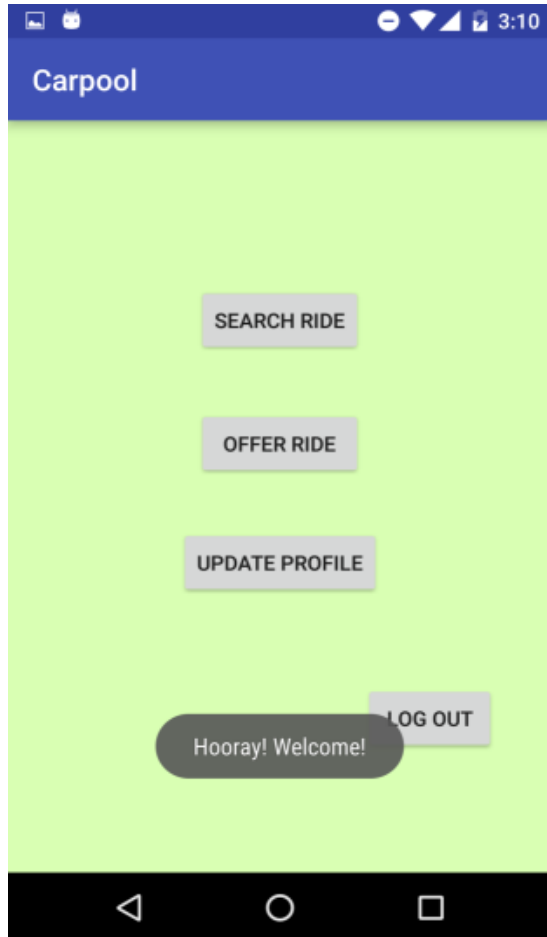
.....

☒ Register

SIGN IN OR REGISTER

CAR POOL

Home Screen



The Home Screen of the Carpool app features a blue header with the title "Carpool". The main area has a light green background and contains four buttons: "SEARCH RIDE", "OFFER RIDE", "UPDATE PROFILE", and "LOG OUT". A dark grey toast message "Hooray! Welcome!" is displayed at the bottom left. The status bar at the top shows the time as 3:10 and various icons. The bottom navigation bar is black with white icons for back, home, and recent apps.

Carpool

SEARCH RIDE

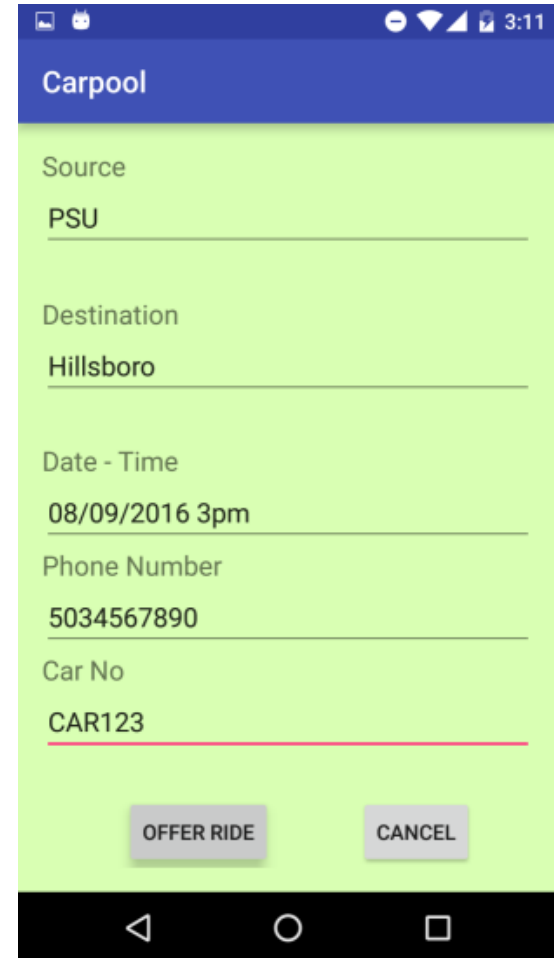
OFFER RIDE

UPDATE PROFILE

LOG OUT

Hooray! Welcome!

Offer Ride activity



The Offer Ride activity screen has a blue header with the title "Carpool". The main area has a light green background and contains five text input fields: "Source" (PSU), "Destination" (Hillsboro), "Date - Time" (08/09/2016 3pm), "Phone Number" (5034567890), and "Car No" (CAR123). At the bottom, there are two buttons: "OFFER RIDE" and "CANCEL". The status bar at the top shows the time as 3:11 and various icons. The bottom navigation bar is black with white icons for back, home, and recent apps.

Carpool

Source
PSU

Destination
Hillsboro

Date - Time
08/09/2016 3pm

Phone Number
5034567890

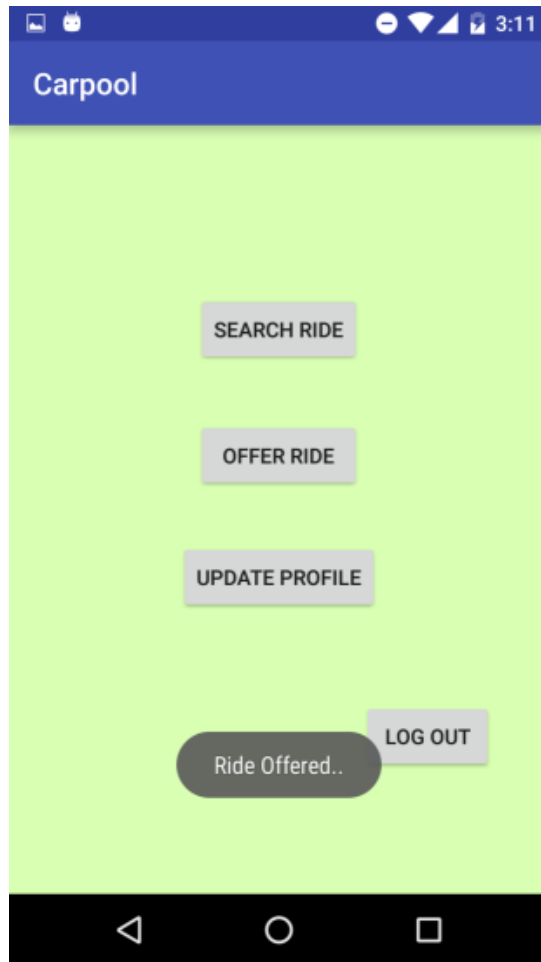
Car No
CAR123

OFFER RIDE

CANCEL

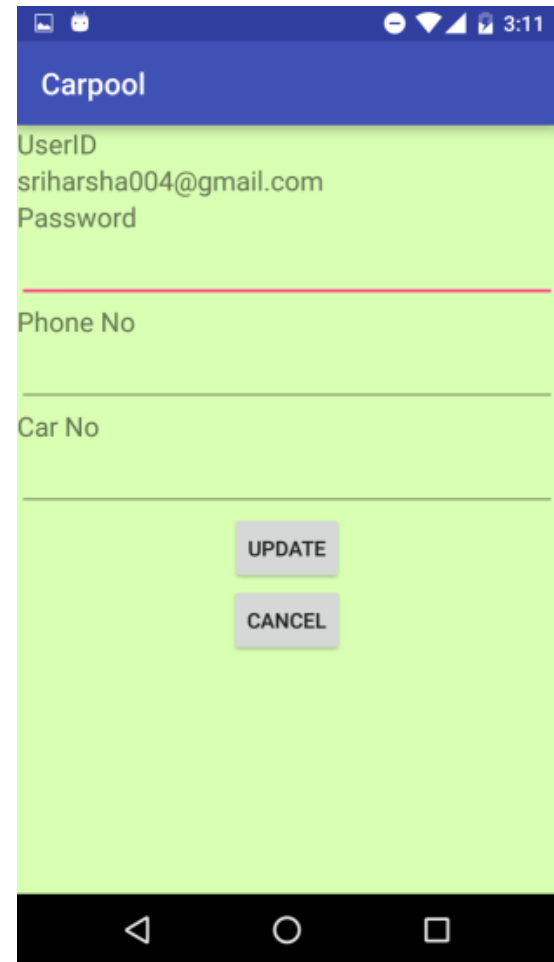
CAR POOL

Home Screen



The Home Screen of the Carpool app features a blue header with the text "Carpool". The main area has a light green background and contains four buttons: "SEARCH RIDE", "OFFER RIDE", "UPDATE PROFILE", and "LOG OUT". A dark grey button labeled "Ride Offered.." is positioned at the bottom left. The status bar at the top shows the time as 3:11 and various icons. The bottom navigation bar is black with white icons for back, home, and drawer.

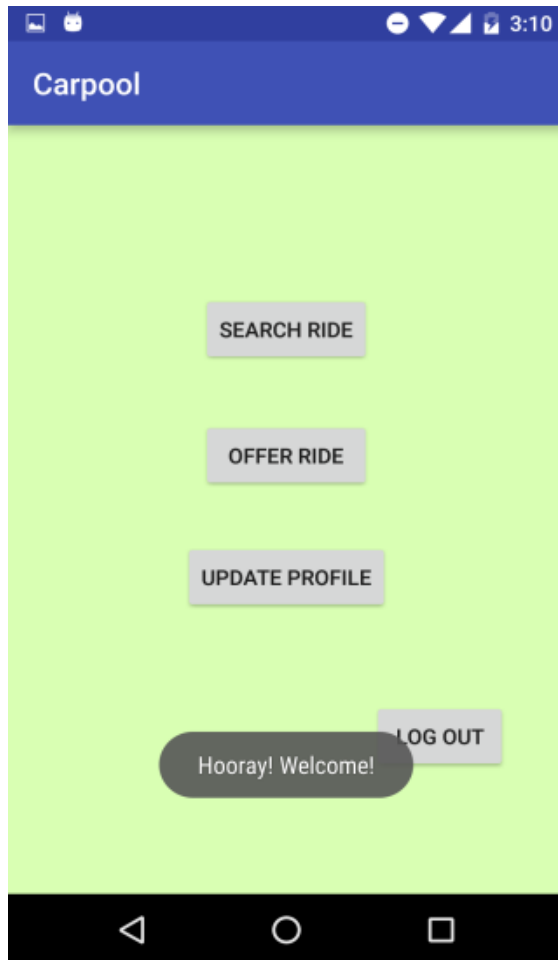
Update Profile activity



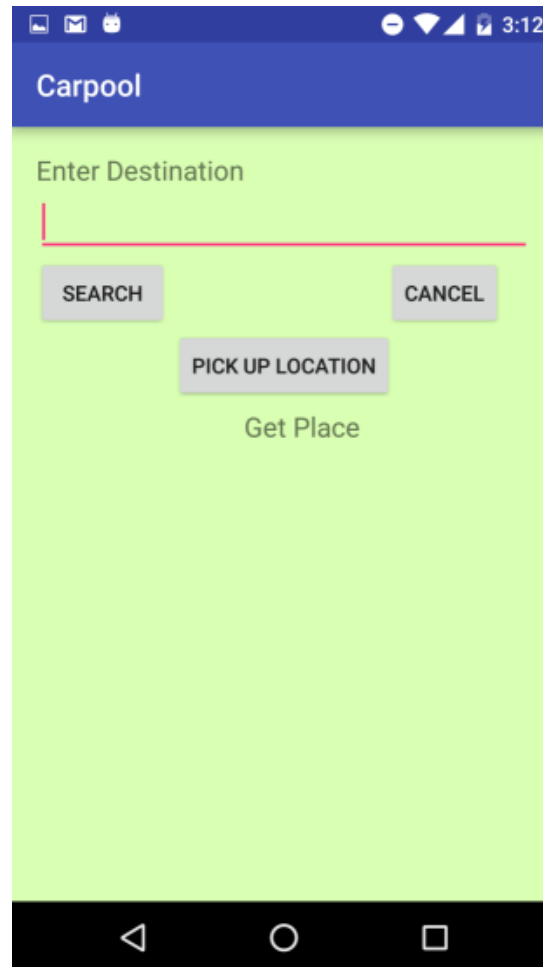
The Update Profile activity screen has a blue header with the text "Carpool". The main area has a light green background and contains the following fields and buttons: "UserID" with the value "sriharsha004@gmail.com", "Password", "Phone No", and "Car No". Each of these fields is followed by a red underline. At the bottom right, there are two buttons: "UPDATE" and "CANCEL". The status bar at the top shows the time as 3:11 and various icons. The bottom navigation bar is black with white icons for back, home, and drawer.

CAR POOL

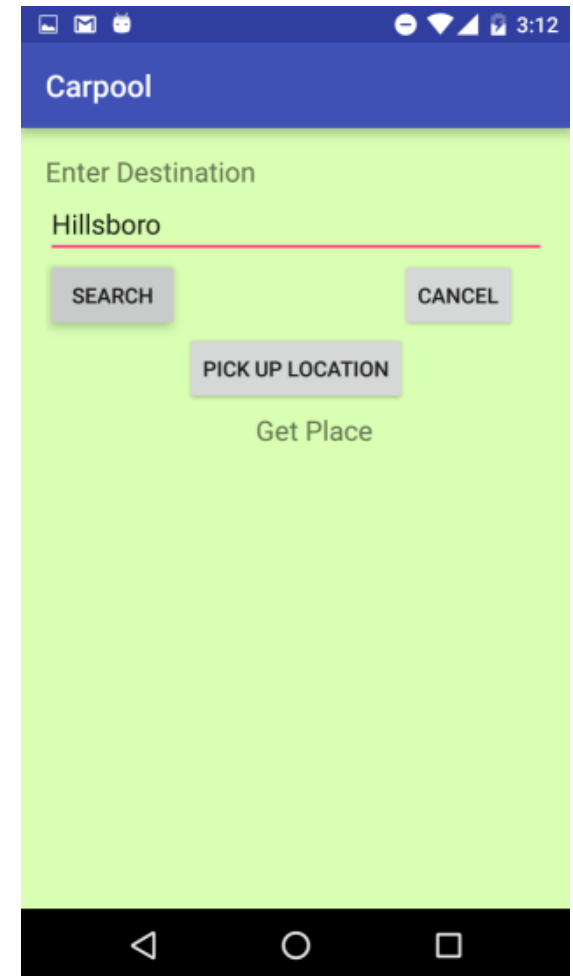
Home Screen



Search Ride Activity

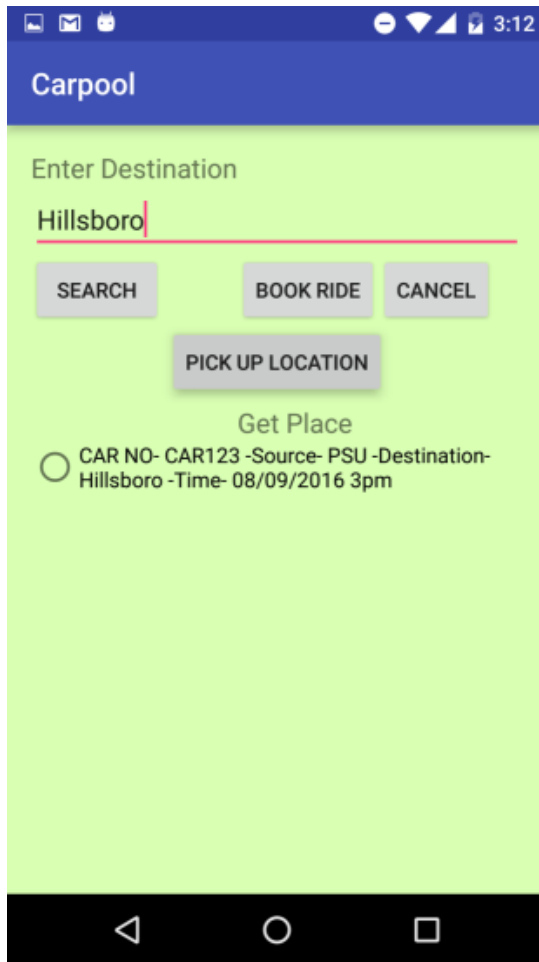


Search Ride Activity

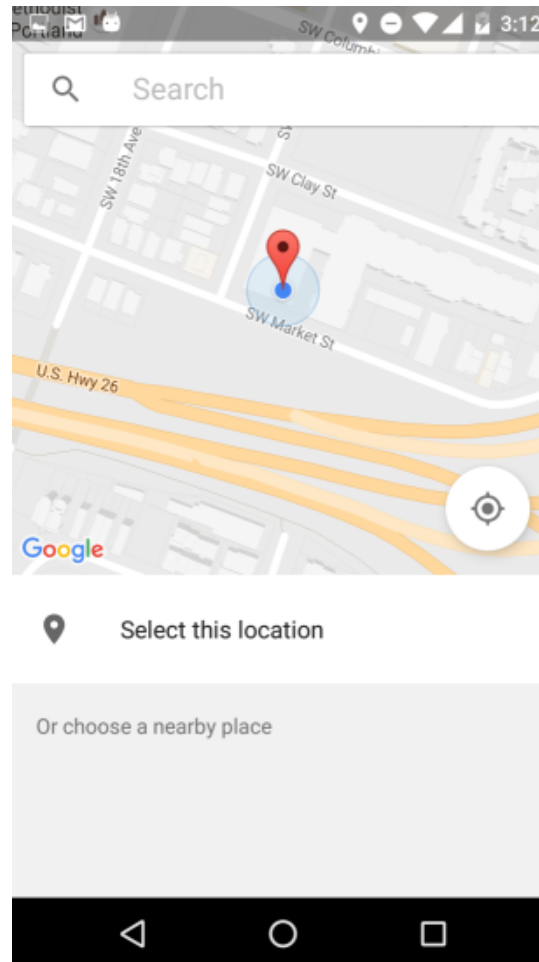


CAR POOL

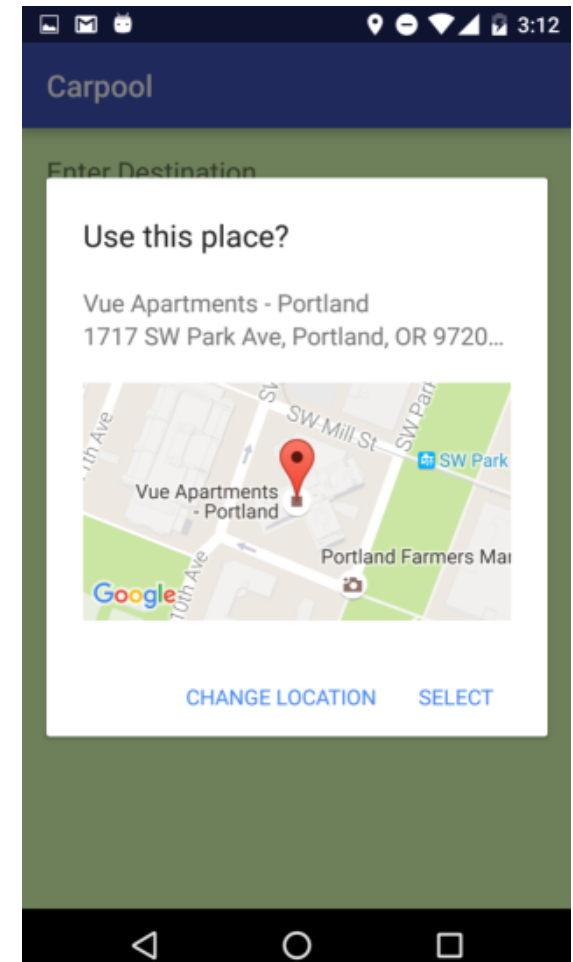
Available Rides



Search location



Confirm location



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Ride Selection

Carpool

Enter Destination

Hillsboro

SEARCH BOOK RIDE CANCEL

PICK UP LOCATION

Pickup Location: 1717 SW Park Ave, Portland, OR 97201, USA

☐ CAR NO- CAR123 -Source- PSU -Destination- Hillsboro -Time- 08/09/2016 3pm

Ride Selection

Carpool

Enter Destination

Hillsboro

SEARCH BOOK RIDE CANCEL

PICK UP LOCATION

Pickup Location: 1717 SW Park Ave, Portland, OR 97201, USA

☒ CAR NO- CAR123 -Source- PSU -Destination- Hillsboro -Time- 08/09/2016 3pm

Ride booked

Carpool

RIDE DETAILS

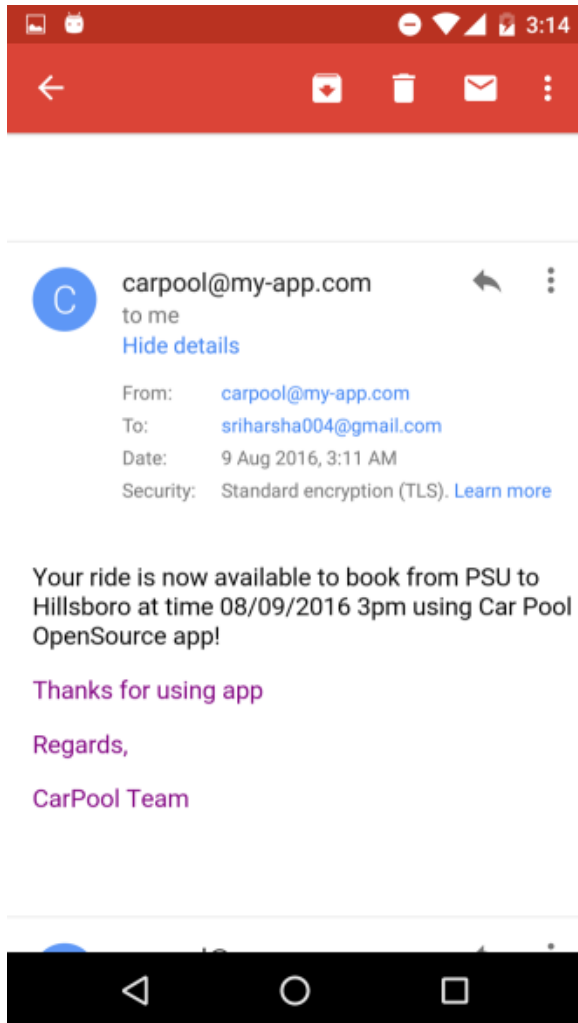
Driver Details -sriharsha004@gmail.com
PHONE NO-5034567890
CAR NO- CAR123
Source- PSU
Destination- Hillsboro
Time-08/09/2016 3pm

Please contact the driver for any ride queries.

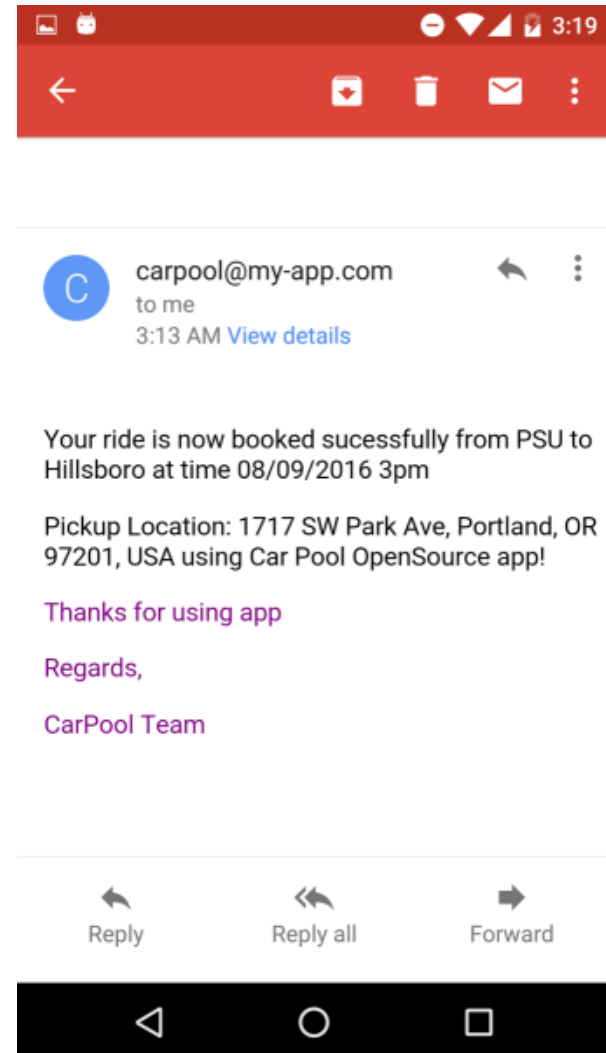
CAR NO- CAR123 -Source- PSU -
Destination- Hillsboro -Time- 08/09/2016
3pm [RETURN](#) [LOGOUT](#)

CAR POOL

Email after offering ride



Email after booking the ride



THANK YOU...!