

# Final CMPS 115 Presentation: Slugging

## Team Carpool Tunnel

April Mao, Brian Wichers, Karney Tao,  
Kevin Jesse, Loren Yeung, Matthew Wang



# Problem:

---

- Lack of Parking Space
- Inadequate Public Transportation
- High permit costs
  - and no guaranteed parking spaces!



# Our Proposed Solution:

- Localised Rideshare
- Students and Faculty
- Safer than hitchhiking



# Technical Details:

⇒ Shared underlying Parse Framework

⇒ iOS 9.0+

⇒ Android Kitkat 4.4+

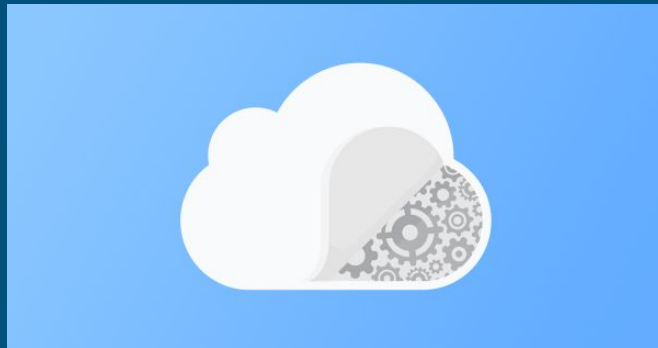


# Challenges:

---

## Sprint 1:

- i. Database Challenges
- ii. Learning languages



## Sprint 2:

- i. MapView
- ii. Geocoder



# Challenges:

---

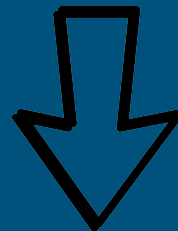
Sprint 3:

- i. More Geocoder
- ii UI constraining across devices

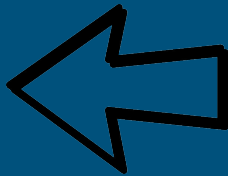


1156 High St, Santa Cruz, CA  
95064

University of California, Santa Cruz, Address



37.0000° N, 122.0600°  
W



# Functionality

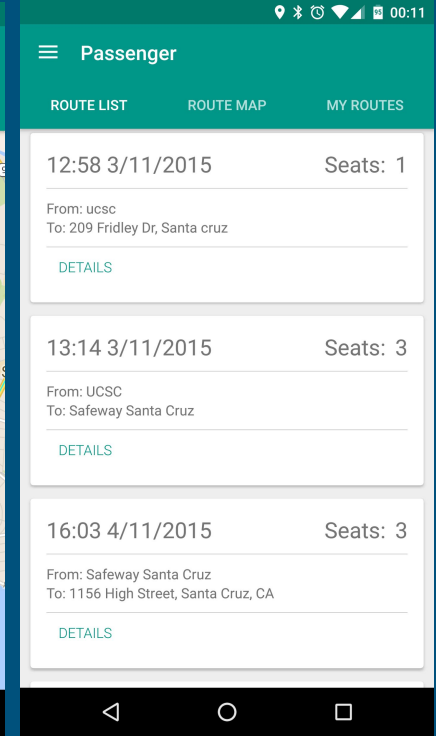
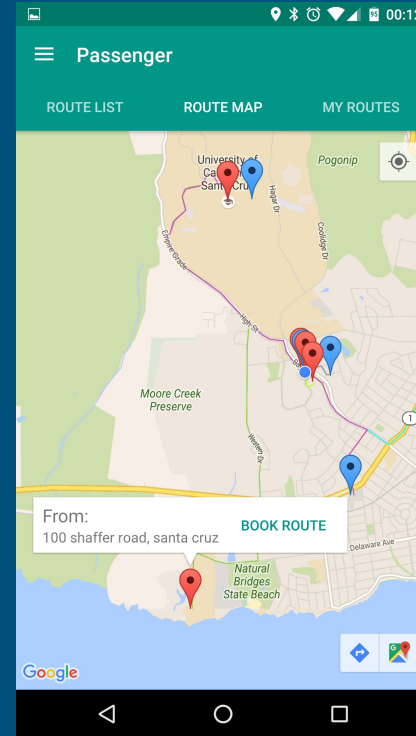
---

- ⇒ Email-Verified Users only
- ⇒ Account details page
- ⇒ Push notifications
- ⇒ Drivers can choose passengers



# UI Passenger

- ↪ MapView + listView of all routes
- ↪ Tabbed Navigation
- ↪ Slider Drawer menu
- ↪ listView of your verified booked routes





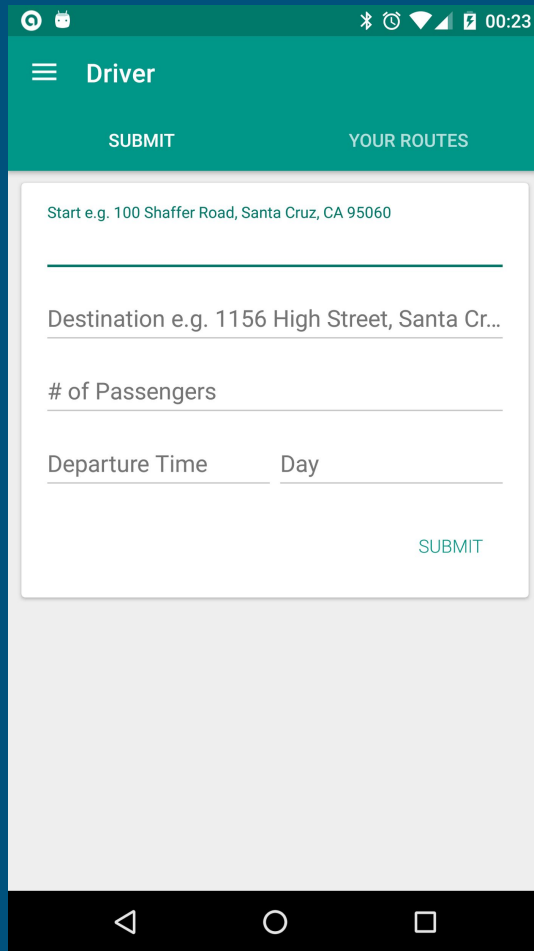
# UI Driver

↪ Tabbed Navigation

↪ Slider Drawer menu

↪ listView of your driver routes

↪ submit card



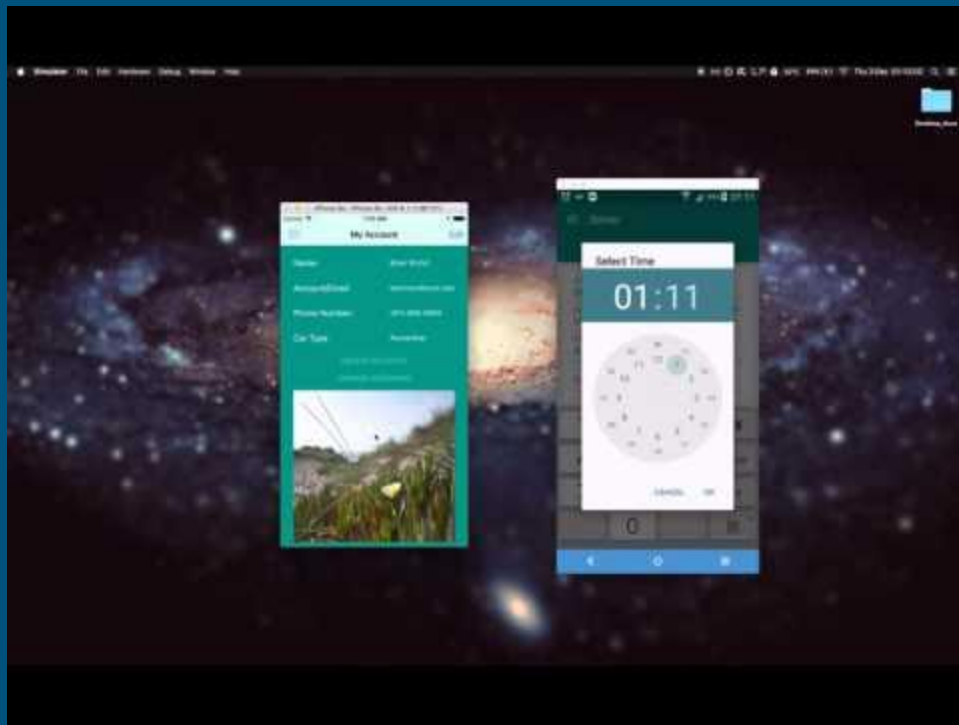
The screenshot shows a mobile application interface for a driver. At the top, there is a green header bar with a hamburger menu icon on the left and the title "Driver" in the center. Below the header, there are two tabs: "SUBMIT" and "YOUR ROUTES". The "SUBMIT" tab is currently selected. The main content area is a white card with a light gray border. It contains four text input fields: "Start e.g. 100 Shaffer Road, Santa Cruz, CA 95060", "Destination e.g. 1156 High Street, Santa Cr...", "# of Passengers", and "Departure Time" followed by "Day". A green "SUBMIT" button is located at the bottom right of the card. The bottom of the screen shows the Android navigation bar with back, home, and recent apps icons. In the bottom right corner of the slide, there is a circular green icon with a white car silhouette.

# Demo/Acceptance Testing

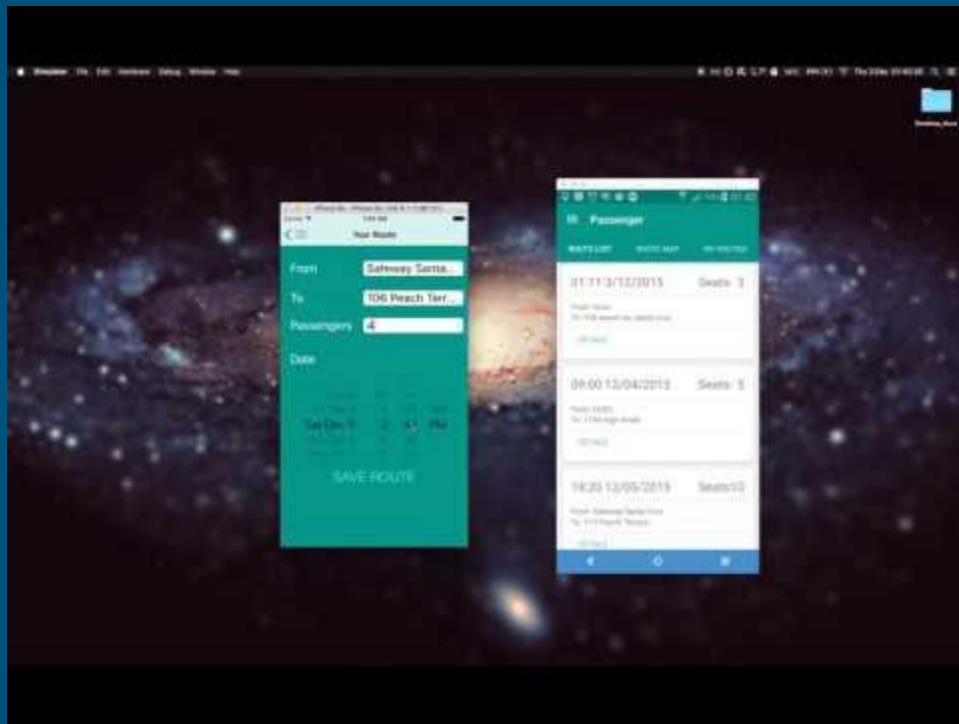
---



# Demo 1:



# Demo 2:



# Thank you!

---

