

Designated Developers - CARPOOL Iteration 0

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October 3rd, 2019

Team Roles:

Scrum Master: Nic Flug

Product Owner: Katerina Boyer

Customer Meeting Time:

Meeting 1: Friday, September 20th 10 AM — MSC Veteran's Lounge

Meeting 2 (Video Interview) Thursday, October 3rd 10 AM — MSC Veteran's Lounge

Summary:

At CARPOOL's Northgate Location, they currently use paper and Google Sheets to sign riders up, assign cars, and route drivers. They need a web application that is mobile friendly for their staff to use that includes a passenger sign up form, a map visual that plots input passenger destinations and checks the location is within city limits for car insurance purposes. Our system will simplify the sign up process for customers and staff members, and help group passengers in similar destination areas together based on CARPOOL's current quadrant based system. In addition, we will be able to digitize some paper forms they are using like passenger/ ride notes to help with management.

The navigation system has strict city limits restrictions and we also need to preserve rider confidentiality with a secure back end storage for forms. The stakeholders are CARPOOL staff, drivers, coordinators, and executives, and CARPOOL passengers at the Northgate location.

User Stories:

- Navigator:
 - 1 Feature: Selecting passenger pulls up route
 - Why: To direct driver to location(s)
 - 2 Feature: Be able to write notes while en-route
 - Why: To document ride for audit purposes
- Logistics:
 - 1 Feature: Place person(s) information into application
 - Why: To document passenger details (destination and name)

- Couch:
 - 1 Feature: General view of all current rides
 - Why: To overlook pathing and make executive decisions
 - 2 Feature: Searching for on-campus RA names
 - Why: To ensure passengers are arriving at a safe locations
- On-Site Grouping:
 - 1 Feature: Group passengers based on location
 - Why: To streamline time take for each trip
 - 2 Feature: Avoid city limits
 - Why: To stay in compliance with insurance

Pivotal Tracker:

Pivotal Tracker Link: <https://www.pivotaltracker.com/n/projects/2400712>

Video:

Video Questions:

- Introduce yourself and your organization.
- Describe the current process at your Northgate ride location.
- What deficiencies do you see with your current system?
- What solutions can we implement to make the process more efficient and user friendly?
- What are you most looking forward to in this project?

GitHub Repo:

GitHub Repo Link: <https://github.com/katerinaboyer/CARPOOL>

User Interface and Story Board:



SCRIPT 1

At the beginning of the night, CARPOOL members login to the web application on their cellphone and choose which position they're working in for the night.

ACTION



SCRIPT 2

The logistics regular member can see a table view of all the current rides, and when a passenger arrives to request a ride, they can click the plus sign to open up a form

ACTION



SCRIPT 3

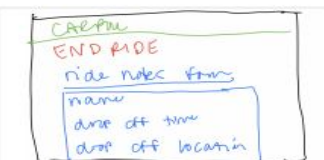
This is the form the logistics staff member fills out with the passenger, collecting name, destination, number of passengers, etc

ACTION



SCRIPT 4

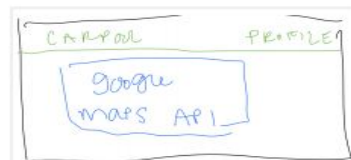
Once a car is ready for passengers, the ride gets passed on to the navigator and driver staff. Both can see a route using the Google maps api. After the passenger is dropped off, the navigator clicks end ride to fill out the ride notes form



SCRIPT 5

The ride notes forms aggregates information for CARPOOL internal/ insurance use like drunkometer, conversation topics, etc

ACTION



SCRIPT 6

The driver uses a phone mount on the car to display gps route

ACTION



SCRIPT 7

The couch executive is offsite and can view pending and in progress rides. The executives can override the group assignment and pair a driver with the passenger

ACTION