PickMeUp

Alexander Lawrence Messer
Ethan Nahyro Molina Neopane
Narayan Ryan Collins

Introduction

- Suny Oswego is home to over 8,000 student and faculty members from all over the world. However as students continue to shift housing off campus and faculty members residing from other neighboring cities, getting to the college tends to be difficult and time constrained.
- Since transportation isn’t always available and flexible for everyone, many look to companies like uber or lyft for transport but these can add up and become almost impossible for consistent use.. That is why PickMeUp was developed.
- PickMeUp is a way to provide a eco-friendly way of traveling to campus by sharing cars with other SUNY Oswego community members.

Objective

- The goal of this application is connect Suny Oswego members to other members that are willing to share a ride to a common destination at a common time.
- As we are partnering with with the Sustainability team in SUNY Oswego, this application would help reduce the carbon footprint of individuals as many will be sharing a ride rather than calling or using their individually.

Features

- This application will be able to categorize and distinguish users based on their choice of ridership in the application’s main screen
- Drivers must submit a State issued ID along with their Driver’s license as well as the license plate of their motor vehicle.
- Drivers must register their vehicle through PickMeUp vehicle screening
- All users must be an SUNY Oswego member and login with their schools creditienal.
- User data will be collected and stored to make calculations as to the application’s environmental impact as well as for future updates to better user experience.
- Drivers will be given incentives based on their amount of rides driven and total rides as well

Drivers

- Drivers will be able to create trips with customized “pickup” points based on the driver's discretion
- Drivers can accept or decline passenger “requests” that aren’t apart of the pickup points initially created by the driver
- Drivers can cancel a ride 2 hours before it's start time without a penalty
- Drivers will receive updates of trip times and routes during trips.

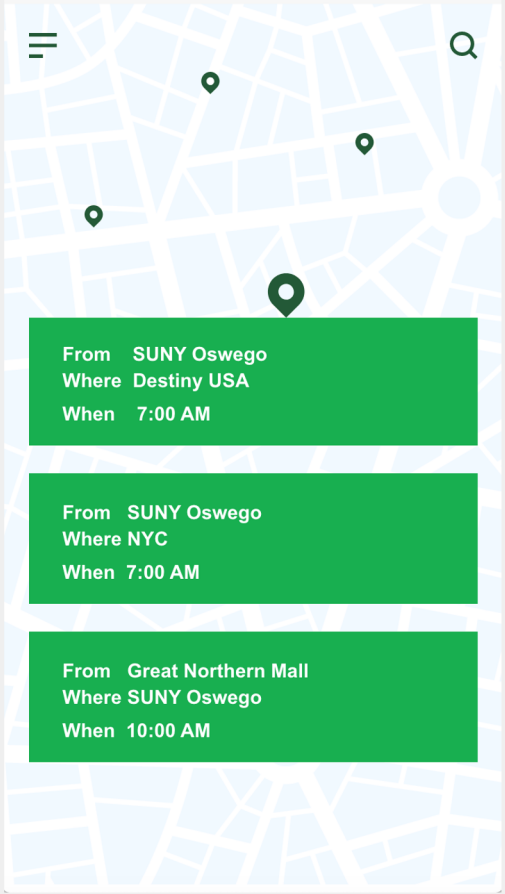
Passengers

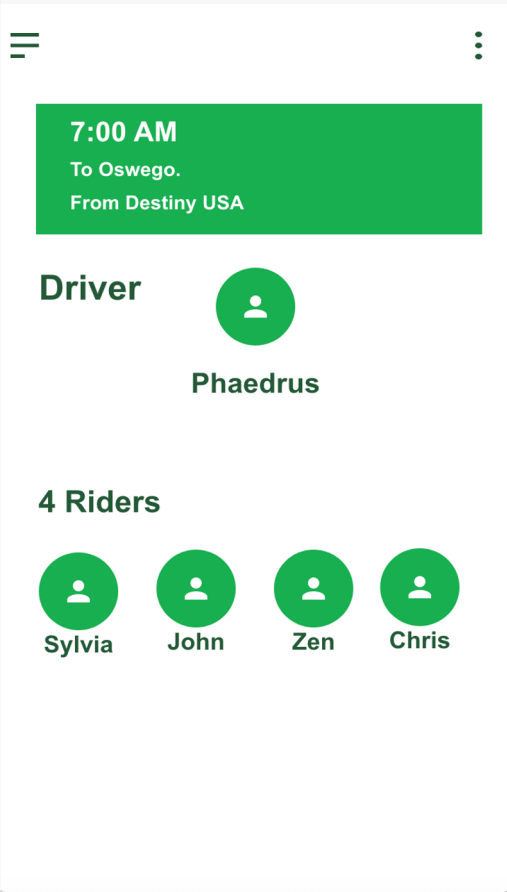
- Passengers will receive real time updates of their driver and the people currently sharing the ride.
- Passengers will be allowed to make requests for pickup at a different location in which the driver can go and pickup
- Passengers will be able to have a visual of all drivers that have the same destination and time as the passenger along with suggestions

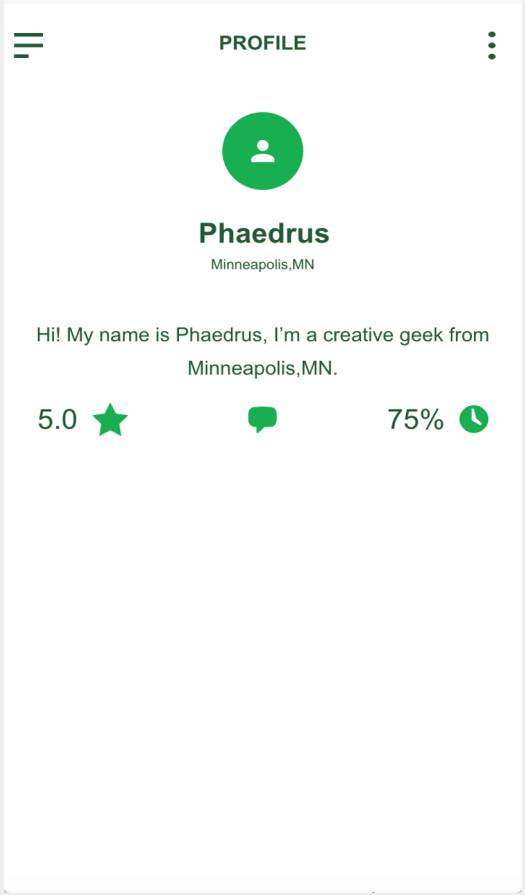
Implementation

- This application initial development is to be android based and eventually expand to other operating system in the future.
- Thus this application was developed in an android studio environment and programmed in the Java programming language.
- Data storage of information gather from users was stored in a MYSQL database which is a SQL based data store.
- Adobe XD was used to help outline and wireframe the application's interface while google API was used for google maps and map markers.

PickMeUp


From SUNY Oswego
Where Destiny USA
When 7:00 AM
From SUNY Oswego
Where NYC
When 7:00 AM
From Great Northern Mall
Where SUNY Oswego
When 10:00 AM


7:00 AM
To Oswego.
From Destiny USA
Driver
Phaedrus
4 Riders
Sylvia
John
Zen
Chris


PROFILE
Phaedrus
Minneapolis,MN
Hi! My name is Phaedrus, I'm a creative geek from Minneapolis,MN.
5.0
75%

What’s Next

- The next steps is to make the application in other operating such as IOS.
- Integrate the application into the SUNY Oswego system as a resource