

Panther Carpooling & Parking

Milestone 2



Team Members

- Austin Phillips — aphillips2022@my.fit.edu
- Hunter Smith — jsmith2022@my.fit.edu
- Jacqueline Torres — jtorres2020@my.fit.edu
- Jason Smith — hsmith2021@my.fit.edu

Faculty Advisor and Client

- Dr. Philip Chan — pkc@cs.fit.edu



Overview of Milestone 2

- ❑ Develop and test user interface for first half of user profile setup (input schedule, location, other preferences)
- ❑ Develop and test second half of user profile (friendlist, privacy, user statistics...)
- ❑ Develop and test database integration into the web application
- ❑ Develop and test routing/map integration using assumed groups
- ❑ Expectations for Milestone 3

User Profile Setup

Basic User Information

- General information about the user and their role in a carpooling group

Basic Info	Vehicle Info
<p>First Name</p> <input type="text" value="Jason"/>	<p>Number of Functional Seatbelts</p> <input type="text" value="Number of Functional Seatbelts"/>
<p>Last Name</p> <input type="text" value="Smith"/>	<p>Manufacturer and Model</p> <input type="text" value="Manufacturer and Model"/>
<p>Phone Number</p> <input type="text" value="Phone Number"/>	<p>Vehicle Color</p> <input type="text" value="Vehicle Color"/>
<p>Phone Number Privacy Setting</p> <input type="text" value="Share With No One"/>	<p>License Plate Number</p> <input type="text" value="License Plate Number"/>
<p>Select Gender</p> <input type="text" value="Male"/>	<p>Allow Eating & Drinking in the car</p> <input checked="" type="checkbox"/>
<p>Select Role</p> <input type="text" value="driver"/>	<p>Allow Smoking in the car</p> <input type="checkbox"/>
	<p>License Picture Upload</p>

Location Information

- Information about where the user would be picked up/dropped off from and the distance a driver will travel

Location Info

Address

123 Street, Satellite Beach FL

Pick-up Location

Publix Hwy A1A

Drop-off Location

Publix Hwy A1A

Driving Distance (in miles)

40

Address Privacy Setting

Share with Other Group Passengers

Schedule Information

- Users set a carpooling schedule (Desired and Earliest/Latest Arrival/Departure Time)
- Milestone 3: Users can set how often their schedule reoccurs (Recurring Schedule)

Edit Schedule

< > Today

March 2024

DAY

WEEK

MONTH

SUN	MON	TUE	WED	THU	FRI	SAT
25	26	27	28	29	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
				Arrive on Campus	Arrive on Campus	Arrive on Campus
				Leave Campus	Leave Campus	Leave Campus
17	18	19	20	21	22	23
Arrive on Campus	Arrive on Campus	Arrive on Campus	Arrive on Campus			
Leave Campus	Leave Campus	Leave Campus	Leave Campus			
24	25	26	27	28	29	30

Friend List

- Users can manage a list of users they have added as “friends”, which can be used to quickly find users they would like to carpool with

Friends List

Friend 1	Recently Online	INVITE TO GROUP	REMOVE FRIEND
Friend 2	Recently Online	INVITE TO GROUP	REMOVE FRIEND
Friend 3	Offline	INVITE TO GROUP	REMOVE FRIEND
Friend 4	Recently Online	INVITE TO GROUP	REMOVE FRIEND
Friend 5	Offline	INVITE TO GROUP	REMOVE FRIEND

Incoming Friend Requests

Friend 6	Recently Online	ACCEPT	DECLINE
Friend 7	Recently Online	ACCEPT	DECLINE
Friend 8	Offline	ACCEPT	DECLINE

Privacy Settings

- Settings regarding visibility of personal information to other users

up Finder

Basic Info

First Name

Last Name

Phone Number

Phone Number Privacy Setting

Share With No One

Select Gender

Other

Select Role

ider

nder

Location Info

Address

Pick-up Location

Drop-off Location

Address Privacy Setting


Share With No One

Profile Picture Upload

CHOOSE

User Statistics

- View a user's driving and riding related statistics from their time using the application
- User's own statistics visible when managing their account



13

FRIENDS

24

COMPLETED RIDES

Name
John Doe

Pronouns
She/Her, He/Him, etc.

Bio

Rider/Driver Statistics

Description	Miles
Total Driving Miles	3
Total Riding Miles	8
Net Driving Miles	15
Net Driving Miles Per Week	6

FIT Carpool Group Finder

Manage your account

Change your account settings

Profile
Email
Password
Two-factor authentication
Personal data
Privacy

Profile

Username
j@my.fit.edu

Phone number

Save









Total Miles Driving: 212 miles
Total Trips Driving: 15 trips
Total Miles Riding : 32 miles
Total Trips Riding: 2 trips
User Feedback Rating
★★★★☆

Database Integration

Database

- All tables were added to the database
- Designed admin pages that are restricted to users with the admin role to allow for database management inside the application

Fit Carpool Group Finder

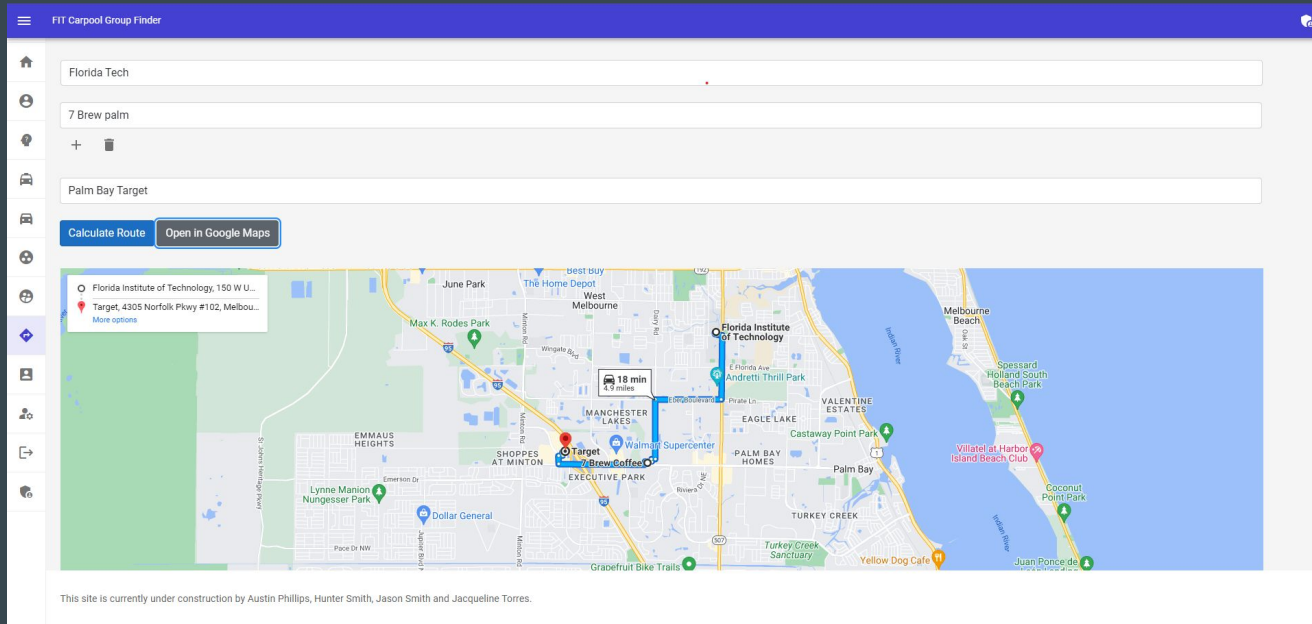
Actions	User ID	Email	Name	Phone	User Type	Location	Pickup Location	Dropoff Location
 	4	aphillips2022@my.fit.edu	Austin Phillips	3016028508	rider	3704 Gatwic	3704 Gatwic	3704 G
 	5	admin@my.fit.edu	Mickey Mouse	3016028508	driver	150 W University Blvd, Melbourne, FL 32901	150 W University Blvd, Melbourne, FL 32901	1 Jeff F Orlando
 	7	j@my.fit.edu	j t	4075555555	rider	panther bay		
 	8	jsmith2022@my.fit.edu	Jason Smith	7038647523	rider	Satellite Beach	Publix Hwy A1A	Publix I

This site is currently under construction by Austin Phillips, Hunter Smith, Jason Smith and Jacqueline Torres.

Routing/Map Integration

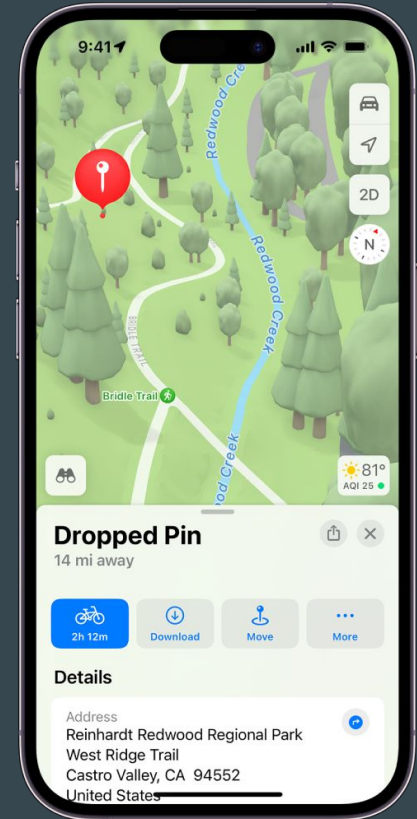
Routing/Map Integration

- Google maps API is used to generate directions.
- Can handle as many stops as needed, and has a button to open the route in the Google Maps app.



Future Routing/Map Changes

- Currently each stop marker is not very visible, need to add pins like Apple Maps.
- Group integration is needed, currently we can only manually generate stops.



Progress Matrix of Milestone 2

Task	Completion	Austin	Jason	Jacqueline	Hunter	To do:
Develop and test user interface for first half of user profile setup (input schedule, location, other preferences)	80%	25%	25%	25%	25%	Upload image for Car Input Recurring Schedule Input
Develop and test second half of user profile (friendlist, privacy, user statistics...)	80%	25%	25%	25%	25%	Set preference default Move privacy information to Manage tab
Develop and test database integration into the web application	100%	25%	25%	25%	25%	N/A
Develop and test routing/map integration using assumed groups	80%	25%	25%	25%	25%	Add markers to differentiate stops in route

Milestone 3

- Complete remaining profile tasks
 - Add preference defaults, car picture input, recurring schedule, and move privacy settings
- Develop and test algorithm for carpool group recommendations
- Develop user interface for showing user carpool groups and allow users to create/form groups
- Develop and test real time tracking and route creation

Thoughts, Questions, Suggestions?

[View Site](#)