

# Panther Carpooling & Parking

## Milestone 6



# Team Members

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# Faculty Advisor and Client

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# Overview of Milestone 6

- ❑ Finalized Home Page
- ❑ Group Recommendation Evaluation
- ❑ External Testing
- ❑ Demo Video
- ❑ Progress Matrix of Milestone 6

# Home Page

FIT Carpool Group Finder

Welcome, Alex Test!

Today's Trip

No trips today.

Upcoming Recommended Groups

FIND A GROUP!

M, T, W, Th, F

Date: 11/18/2024 - 11/22/2024

9:00 AM - 10:00 AM

Arriving to Campus

ACCEPT

DECLINE

VIEW

FIT Carpool Group Finder

M, T, W, Th, F

Date: 11/18/2024 - 11/22/2024

9:00 AM - 10:00 AM

Arriving to Campus

ACCEPT

DECLINE

VIEW

Future Trips

No upcoming rides found.

Past Trips

No Previous Completed Rides.

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

# Preference Matrix


FIT Carpool Group  
Finder

Profile Image

James Test

Profile Image

Kim Test



Jared Test

☐ Group Map ☒ Group Preferences

CLOSE

Preference Matrix

User	Alex Test	Tim Test	James Test	Kim Test	Jared Test
Alex Test	-	40%	40%	40%	40%
Tim Test	60%	-	60%	60%	60%
James Test	100%	100%	-	100%	100%
Kim Test	100%	100%	100%	-	100%
Jared Test	20%	20%	20%	20%	-

# Group Recommendation Evaluation

- Location Evaluation Test Cases
  - 32 North Users - 32 South Users
    - Expected Results
      - Groups of Size 3 - 4 with only users in the same direction from campus
    - Actual Results
      - Groups were successfully formed as expected

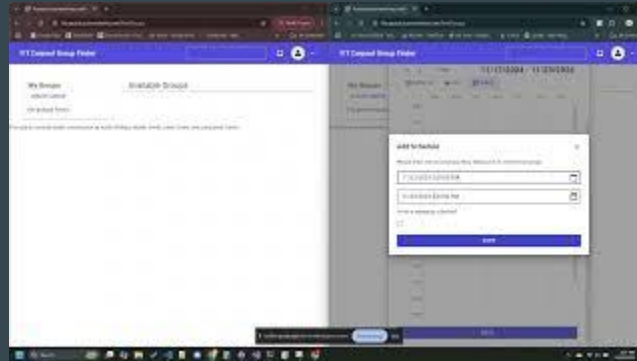
South-Woman-9325 LastName9325-NP-NP-NP-NP South-Woman-5166 LastName5166-NP-NP-NP-NP South-Man-1439 LastName1439-NP-NP-NP-NP South-Man-1304 LastName1304-NP-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM
North-Woman-9185 LastName9185-NP-NP-NP-NP North-Woman-6349 LastName6349-NP-NP-NP-NP North-Woman-8071 LastName8071-NP-NP-NP-NP North-Man-1583 LastName1583-NP-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM
North-Woman-9112 LastName9112-NP-NP-NP-NP North-Man-8236 LastName8236-NP-NP-NP-NP North-Woman-6943 LastName6943-NP-NP-NP-NP North-Woman-3326 LastName3326-NP-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM
South-Man-8404 LastName8404-NP-NP-NP-NP South-Woman-5466 LastName5466-NP-NP-NP-NP South-Woman-3076 LastName3076-NP-NP-NP-NP South-Man-1284 LastName1284-NP-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM

# Group Recommendation Evaluation

- Gender Preference Evaluation Test Cases
  - 32 Men ( North & South)
  - 32 Women ( North & South)
    - Expected Results
      - Groups of 3-4 with the gender and direction being the same for all users
    - Actual Results
      - Groups were successfully formed as expected

North-Woman-9953 LastName9953-SG-NP-NP-NP North-Woman-8550 LastName8550-SG-NP-NP-NP North-Woman-7387 LastName7387-SG-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM	Yes
North-Man-9933 LastName9933-SG-NP-NP-NP North-Man-4811 LastName4811-SG-NP-NP-NP North-Man-3526 LastName3526-SG-NP-NP-NP North-Man-6202 LastName6202-SG-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM	Yes
South-Man-9614 LastName9614-SG-NP-NP-NP South-Man-6111 LastName6111-SG-NP-NP-NP South-Man-1502 LastName1502-SG-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM	Yes
North-Man-9558 LastName9558-SG-NP-NP-NP North-Man-4859 LastName4859-SG-NP-NP-NP North-Man-8154 LastName8154-SG-NP-NP-NP North-Man-5053 LastName5053-SG-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM	Yes

# Manual Group Creation

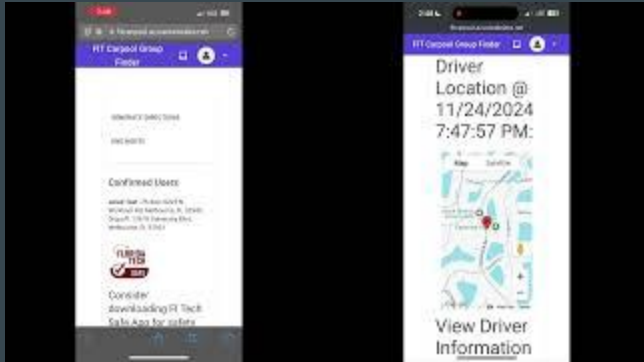




The image displays two side-by-side screenshots of the RT Dispatch Group mobile application interface.

**Left Screenshot:** The app is open to the 'RT Dispatch Group' screen. At the top, it shows 'Connected: 2 (2463) Users'. Below this, there is a section titled 'Confirmed Users' which lists several users with their names, phone numbers, and email addresses. A red 'RT Dispatch Group' logo is visible. At the bottom, there is a button labeled 'View Driver Information'.

**Right Screenshot:** The app is open to the 'Driver Location' screen. It shows a map with a red pin indicating the driver's location. Above the map, it displays 'Driver Location @ 11/24/2024 7:47:57 PM:'. Below the map, there is a button labeled 'View Driver Information'.



# External Testing

	Task 1	Task 2	Task 3	Task 4
User 1	7:29	1:35	0:48	13.95
User 2	5:31	0:59	1:03	15.91
User 3	5:46	1:27	1:45	14.54
User 4	5:59	1:13	0:37	9.22
User 5	6:03	1:04	0:44	11.76
Average Time	6:09	1:15	0:59	12.47

# Progress Matrix of Milestone 6

Task	Completion	Austin	Jason	Jacqueline	Hunter	To do:
Test Group Match Algorithm for 64 test users	100%	100%	0%	0%	0%	
Add tables to group view page for users to view how much of a match that group is	100%	100%	0%	0%	0%	
Modify the home page to display upcoming user trips	100%	0%	0%	0%	0%	
Modify users rating to display numerical value ( IE half stars) and After Trip page to display trip members	100%	0%	100%	0%	0%	
one demo video for the main features: group recommendations, pre-trip, during trip, post-trip	100%	25%	25%	25%	25%	
Internal System Testing - Evaluation of Group recommendation algorithm accuracy	100%	50%	15%	15%	20%	
External System Testing - Timing task completion and user satisfaction	100%	0%	50%	50%	0%	
User Manual	100%	0%	0%	0%	100%	

# Thoughts, Questions, Suggestions?

[View Site](#)