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
- ❏ Demo Video
- ❏ External Testing
- ❏ Progress Matrix of Milestone 6
- ❏ Future for the Project

Home Page

Preference Matrix

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
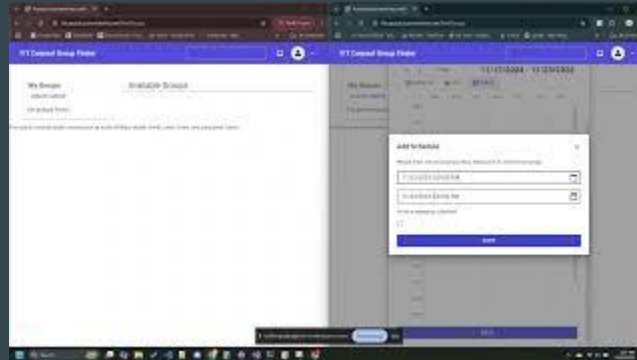
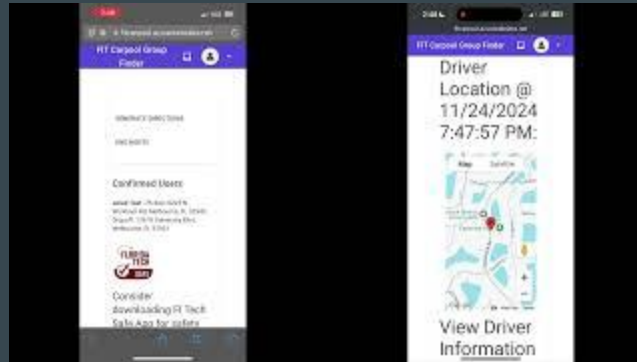|		
South-Woman-9325 LastName9325-NP-NP-NP-NP South-Woman-5166 LastName5166-NP-NP-NP-NP South-Man-1439 LastName1439-NP-NP-NP-NP South-Man-1304 LastName1304-NP-NP-NP-NP	arrival	Friday, Monday, Thursday, Tuesday, Wednesday: 07:00 AM-08:00 AM
North-Woman-9185 LastName9185-NP-NP-NP-NP North-Woman-6349 LastName6349-NP-NP-NP-NP 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

Rider & Driver Demo

External Testing

Task 1: Registration, Profile Setup, User Schedule
Task 2: Join a recommended group
Task 3: Leave a rating/review for a trip member
Task 4: View a user's profile and send a friend request

	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 seconds**

External Testing: User Feedback

- **Email Verification System**
  - Unclear where to click to verify
  - Should be a button for users to click instead of text
- **Site Navigation**
  - Needs to be seamless between other pages
  - Ex: Email Verification → User Profile Creation
- **User Experience and Accessibility**
  - Some text would not meet 508 compliance
  - Confirmation/Save buttons on some pages should be more visible

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%	

Future for Panther Carpooling and Park

- Continuing to develop a more user friendly application.
  - Mobile friendly
- Implementing a communication/notification system
- Implementing stronger safety features
  - Confirmation codes to rides
  - Functioning email verification

Thoughts, Questions, Suggestions?

View Site