



Connect U

IIT's CARPOOLING NETWORK

By

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Why Carpool?

- **Carpooling Helps Save You Money**
You can save money on gas and such by dividing up the gas fees among your carpool passengers.
- Carpooling also helps you save on the cost of vehicle repairs and maintenance if you rotate vehicle use between the members of your carpool team.



Why Carpool?

- **Carpooling Helps the Environment**

Carpooling cuts down on the number of cars and vehicle son the road. Fewer cars means there is less carbon and other gasses and pollution getting into the air. This protects the environment by keeping the air, water, and land cleaner.

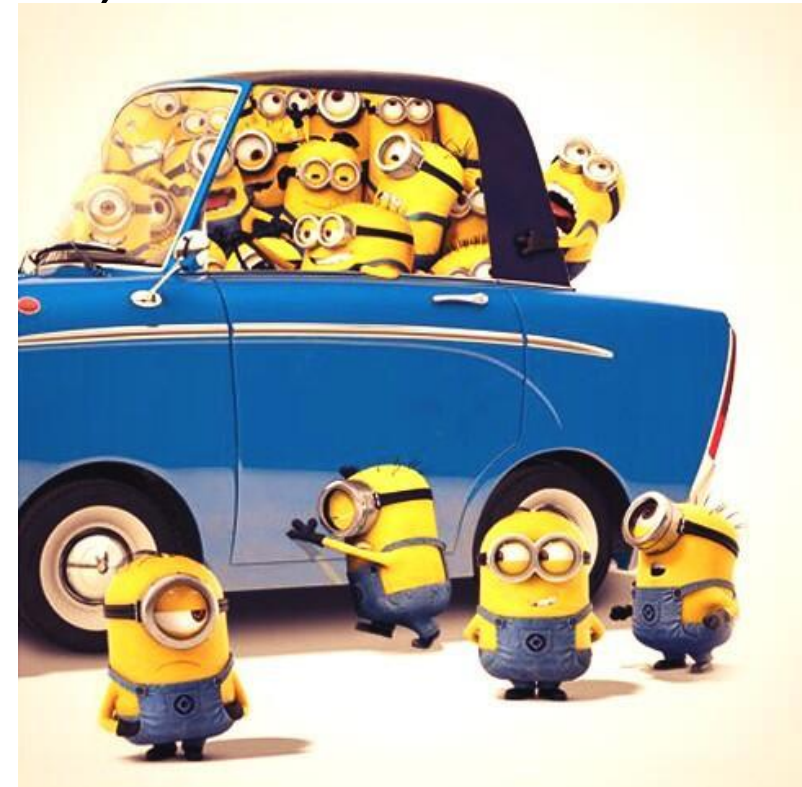
- According to numerous health reports and research, air pollution caused by auto emissions can significantly increase the likelihood of health issues such as asthma, allergies, lung cancer, COPD, and the like.



Why Carpool?

- **It Helps You Make New Friends**

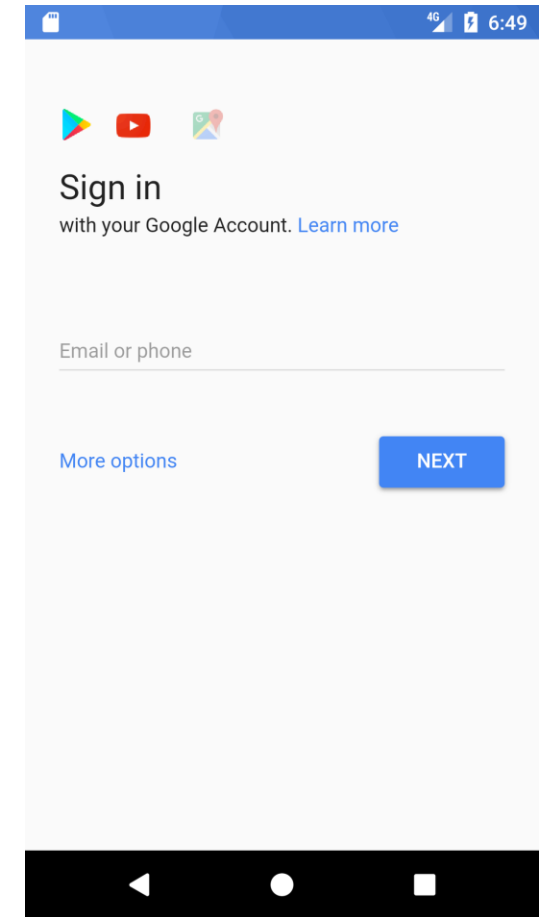
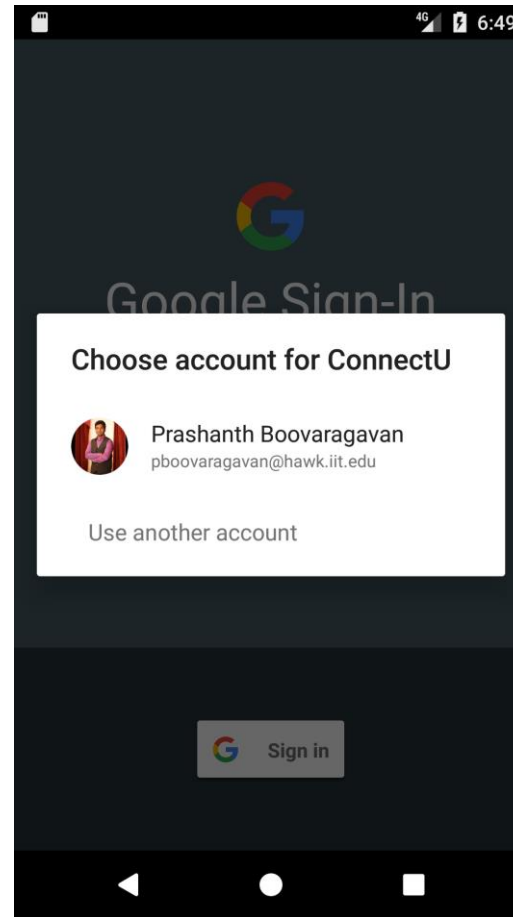
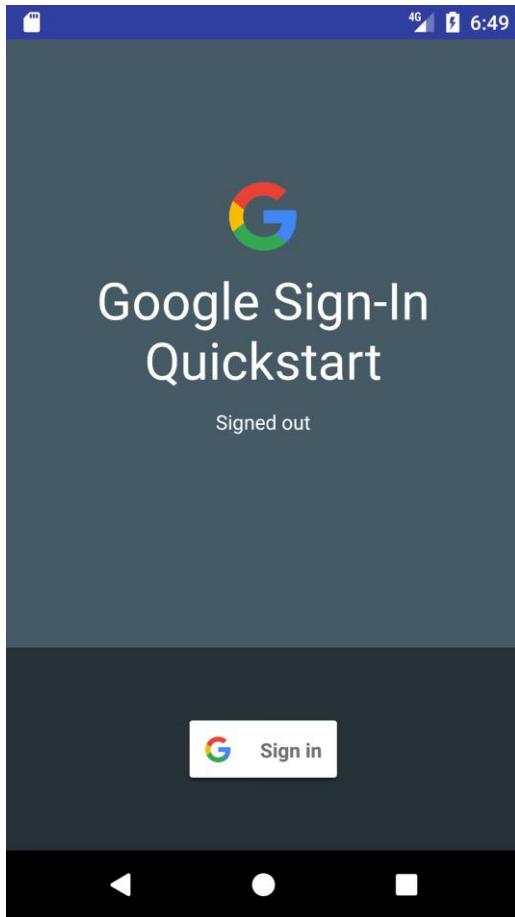
Carpooling is also a wonderful way to meet interesting people, get to know the people you work with or go to school with, and to make new friends!



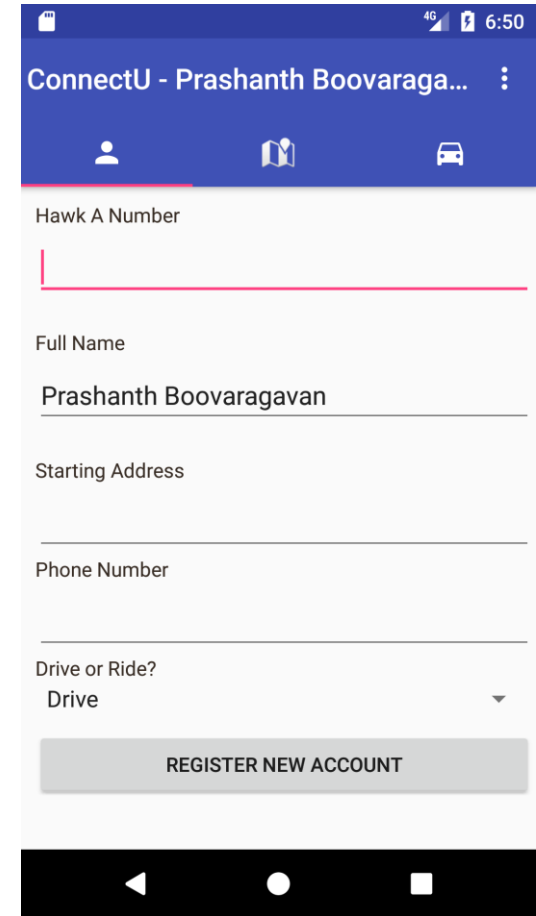
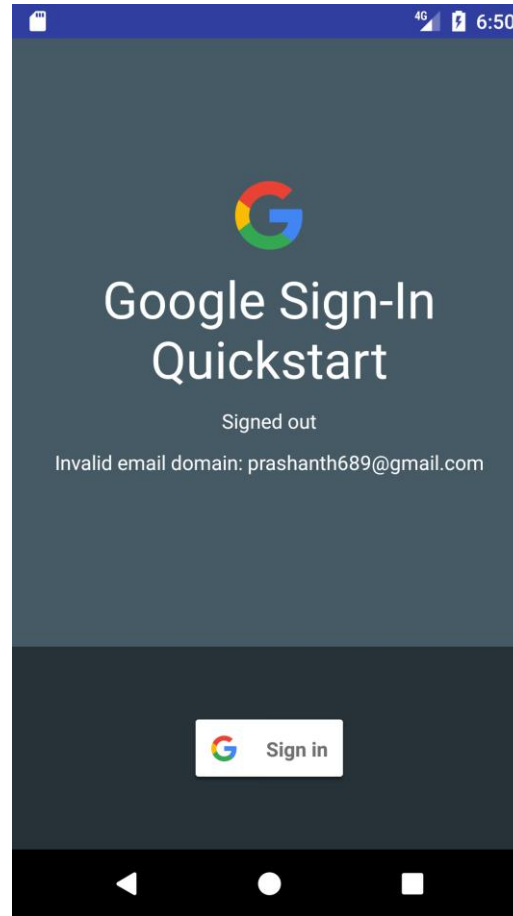
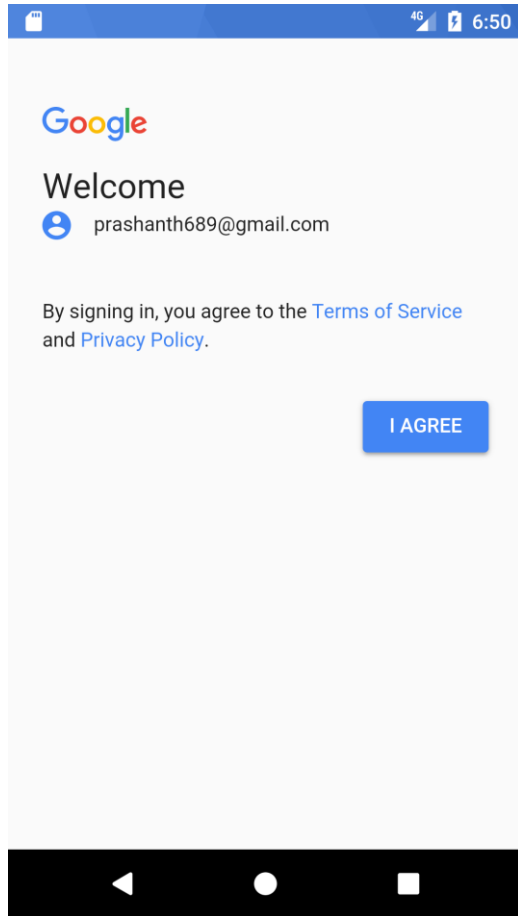
Food for thought!!

Carpool Statistics	Data
Total percent of people who carpool with a family member	51%
Percent of people who carpool with someone that they live with	40%
Percent of Americans who carpool	10%
Percent of people who carpool with just 1 other person	77.3%
Percent of Americans who drive to work solo	78%
Percent of traffic that would die down if everyone carpooled once a week	20%
Total amount of gas saved yearly by carpooling	85 million gallons
Total amount of miles of avoided traffic every year by carpooling	56,000 miles
Total amount of money saved by carpooling every year	\$1.1 billion
*Cost estimates are based on AAA "Your Driving Costs 2008" with fuel @ \$4.00 per gallon for average vehicle. Variable costs include gas, tires and maintenance for the actual commute miles driven, but do not include ownership costs such as finance charges, insurance, license, registration, taxes or depreciation. Ownership costs would typically add about \$450 per month to these costs.	

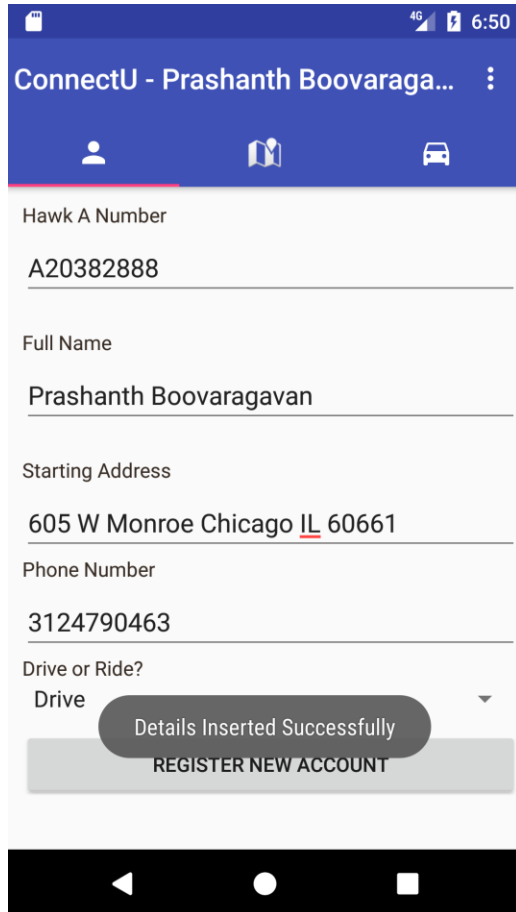
How Connect U works !



How Connect U works !



How Connect U works !



ConnectU - Prashanth Boovaraga... ⋮

Hawk A Number
A20382888

Full Name
Prashanth Boovaragavan

Starting Address
605 W Monroe Chicago IL 60661

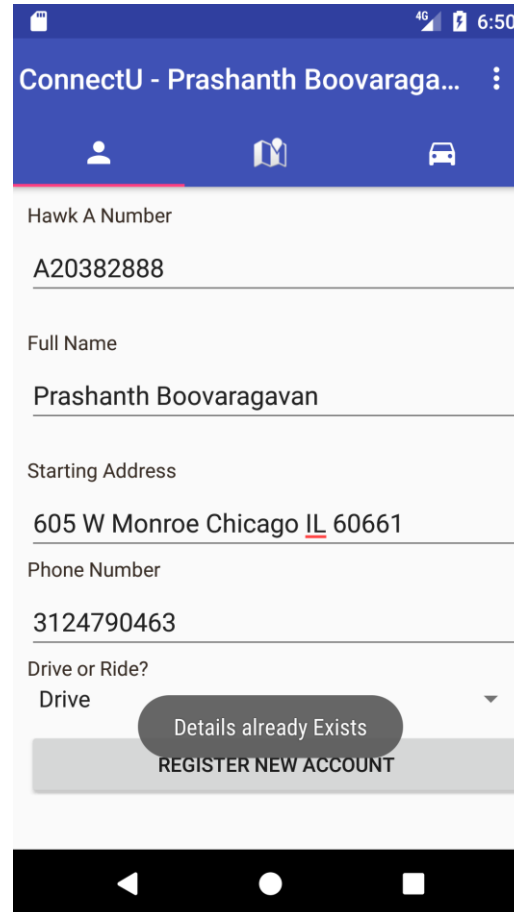
Phone Number
3124790463

Drive or Ride?
Drive

Details Inserted Successfully

REGISTER NEW ACCOUNT

This screenshot shows the registration process in the ConnectU app. The user has entered their Hawk A Number (A20382888), Full Name (Prashanth Boovaragavan), Starting Address (605 W Monroe Chicago IL 60661), and Phone Number (3124790463). They have selected 'Drive' for their mode of transport. A confirmation message 'Details Inserted Successfully' is displayed, and a 'REGISTER NEW ACCOUNT' button is visible at the bottom.



ConnectU - Prashanth Boovaraga... ⋮

Hawk A Number
A20382888

Full Name
Prashanth Boovaragavan

Starting Address
605 W Monroe Chicago IL 60661

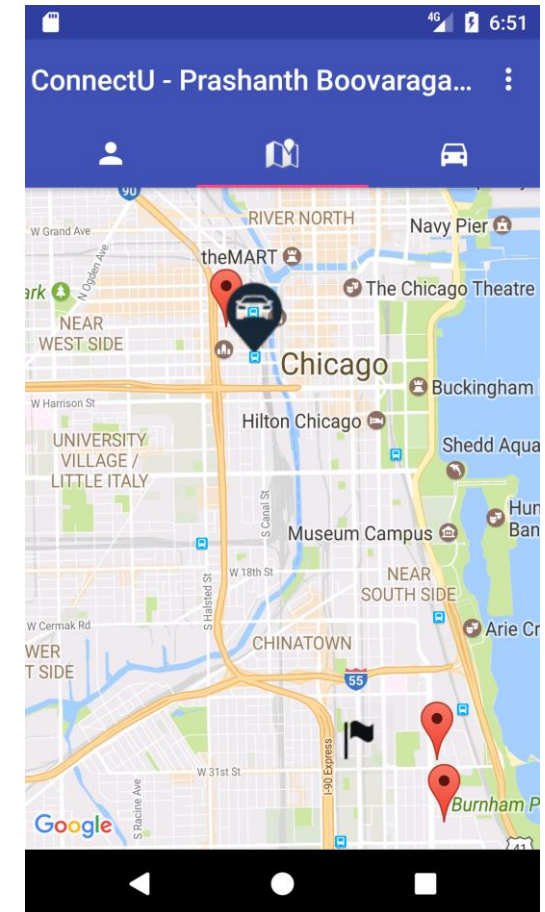
Phone Number
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Drive or Ride?
Drive

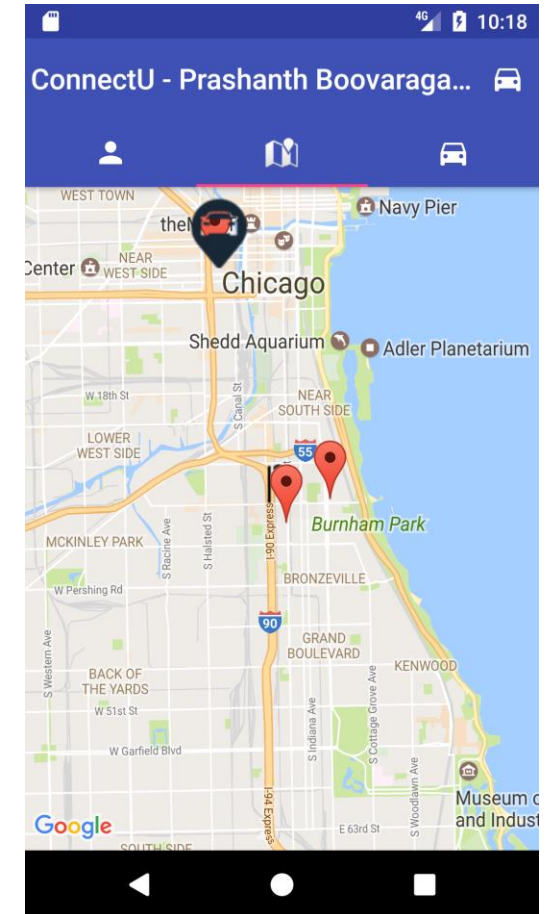
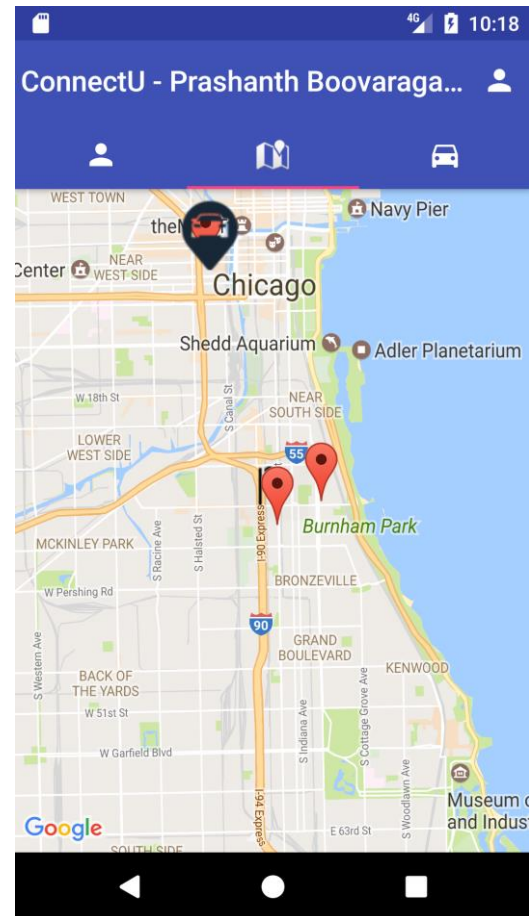
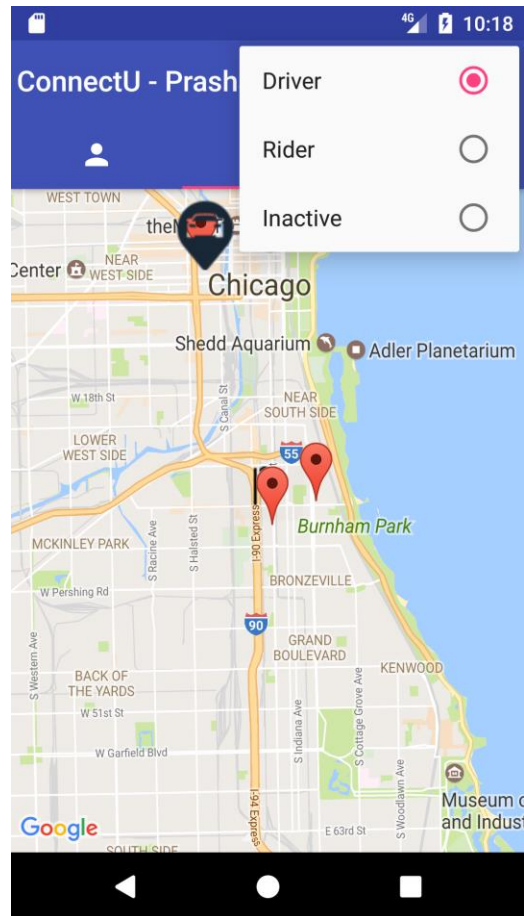
Details already Exists

REGISTER NEW ACCOUNT

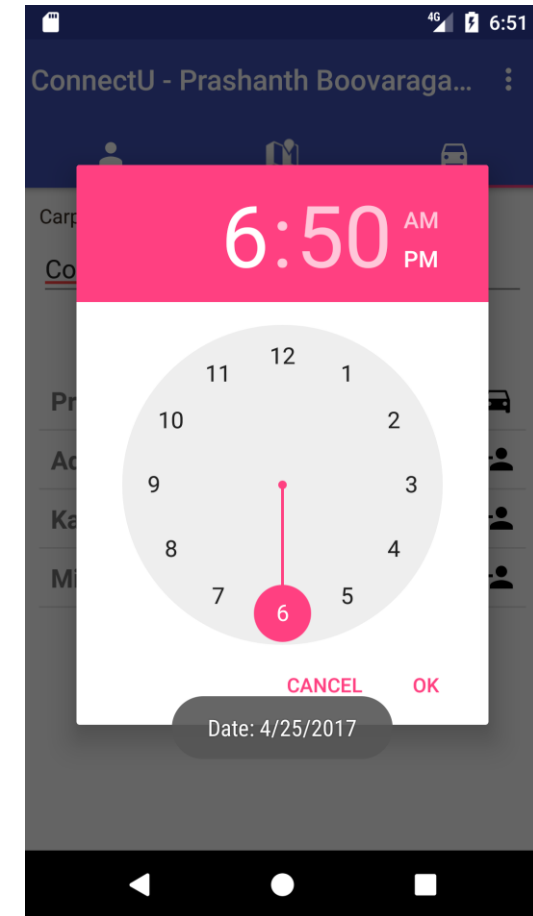
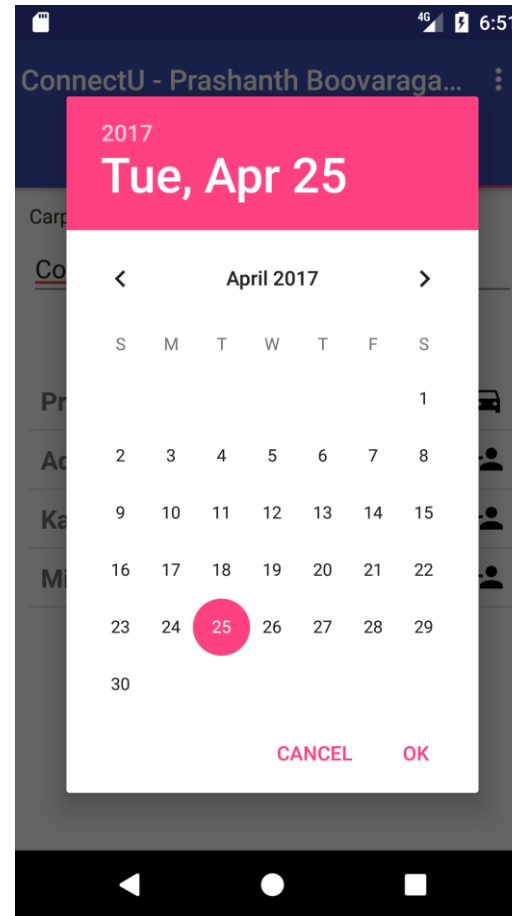
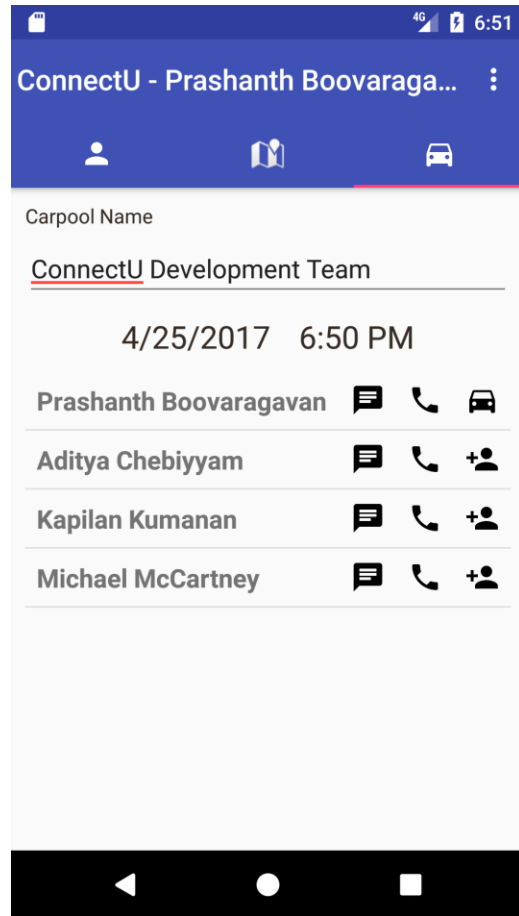
This screenshot shows the same registration form as the previous one, but with a different message: 'Details already Exists'. This indicates that the system has recognized the user's information as already being in the database.



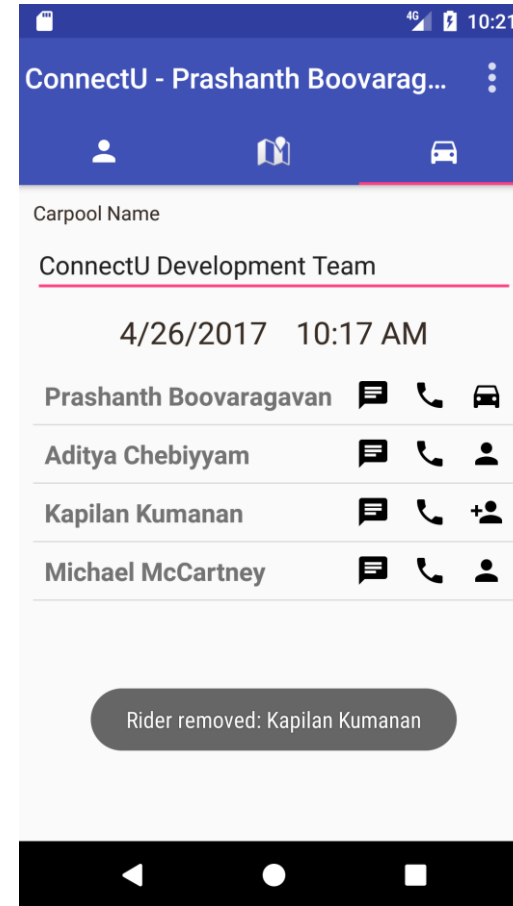
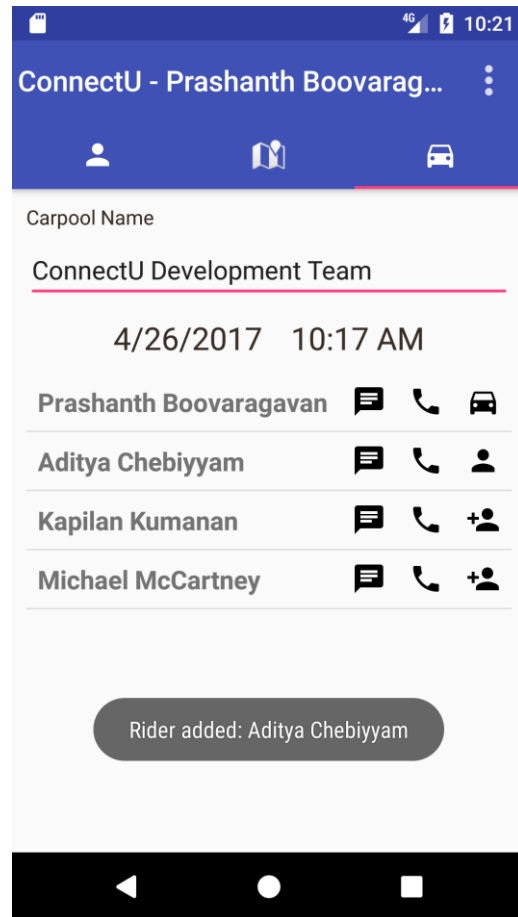
How Connect U works !



How Connect U works !



How Connect U works !

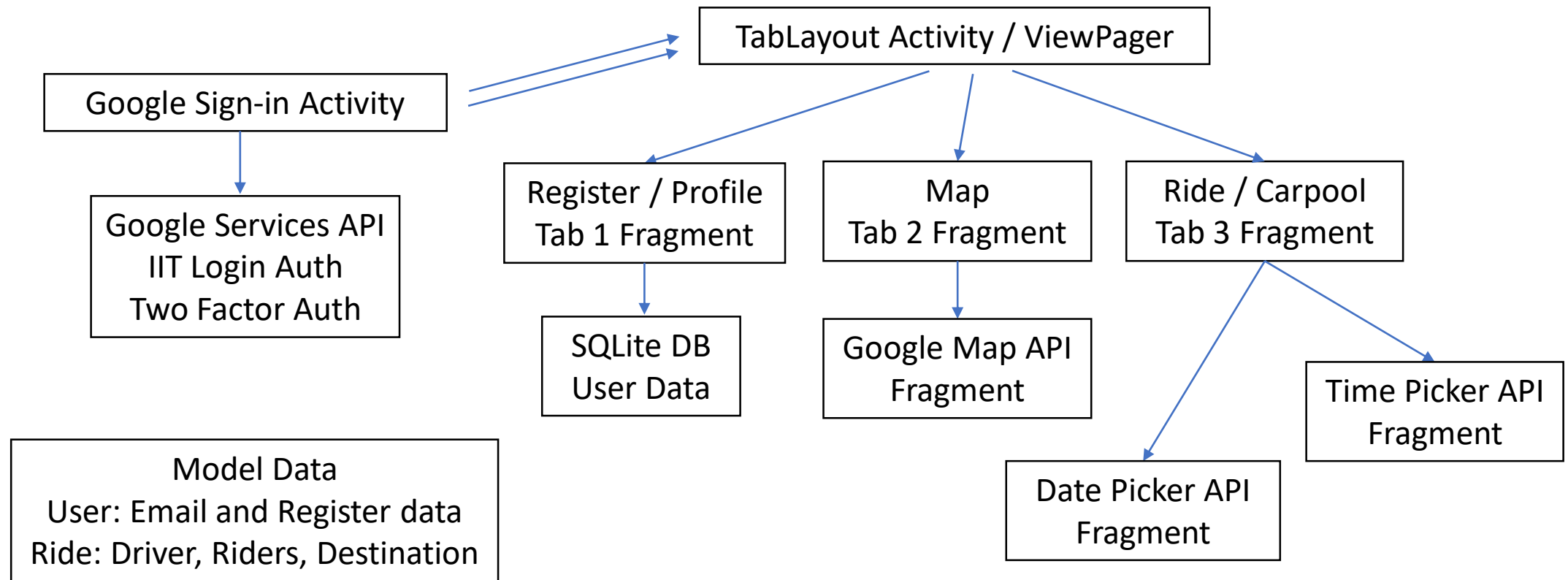


Issues

- Time constraint
- Learning Curve
- Communication challenges due to team members located in different locations.
- Thank Goodness for Google for weird problems

Design

Two Activities



Future scope of work

- Will be implementing cost per mile feature to monetize the application. Our target is to approximately charge 0.75 cents per mile which is 0.15 cents cheaper than Uber X (0.90 cents/mile)
- Adding student term schedules to the database to streamline the ride share feature.
- Implementing a payment gateway to enable payments between the passenger and driver.
- Implementing Firebase database and FCM Notifications

Android Studio Project

- Source Code Repository @
 - <https://github.com/illinoistech-itm/connectu.git>
 - Currently private to members
 - Live ongoing Project
 - Latest Android Studio release
- Readme @
 - <https://github.com/illinoistech-itm/connectu/blob/master/README.md>
 - Start new project by import this GitHub repository into Android Studio
 - Need to generate Debug API key for project owner to add to google-service.json

THANK YOU

