Basic Details of the Team and Problem Statement

PS Code:	Student Innovation
Team Leader Name:	Kumar Sahani
Team Name:	CodeX
Institute Name:	St. Peter's Engineering College

Problem Statement Title - Student Innovation:

A cross platform application for civilians who travel with their own vehicle and for civilians who pay a lot to travel hours in commercial transports. The application benifits the civilians by reducing the fuel cost for the person with vehicle and allows a cheap travel trasport for the person without vehicle

Idea/Approach Details

Solution Description:

1. Our application is very simple and adaptable with user friendly UI/UX designed, specially for students and other civilians who travel a lot on daily bases. We call our product “Truvel” which is derived from “True Travel”
2. We have targeted the main pain points of every traveler, either be it a person with vehicle or without, our cross platform bring both types of people to travel together and bring down the fuel price for the person with vehicle and the travel cost for the person without vehicle.
3. The application provides features like navigating them to the nearest travelers and helps the travelers to set their own fee for the passengers. The fee and the other entitiies like time and location can also be resolved by a great feature called “Bargan”, here the travelers have not to text or call all the time, rather they can also communicate with only 2-5 clicks to offer their prefered fee, location and time.
4. We have added an extra layer of security that allows the database to confirm the authenticity of a person logining in and due the stored and verified data, a woman can chose to travel only with a woman as well due her security concerns.
5. Another key feature is a platform that bridges the gap between travelers without a vehicle, it is built to cater the needs of people who travel alone but needs a company; thus, two travelers can meet and decide to walk and go by any public transport.
6. There is a feedback feature where person can share their experience and rate the other taveler, this feedback will feteched into the database and a rating system will generated for the future journey.

Technology Stack

Software:

1. Android Studio
2. Postman
3. SSMB
4. Google colab notebook

Frameworj, API and Library:

1. Flutter
2. SQLite
3. Google geolocation API
4. Google direction API
5. Maps SDK for android
6. URL launcher
7. Font awesome flutter
8. Node JS
9. Tensorflow

Programming Languages:

1. Dart
2. Python

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Idea/Approach Details

Use Cases:

1. The Application supports multilingualism; thus, making it beneficial for people speaking different languages.
2. While traveling, the application provides a new way of meeting people with an economical budget.
3. The application introduces a futuristic way of earning money while traveling by dropping many travelers.
4. The application is integrated using a user-friendly interface with help of modern widgets.
5. The application has a real-life tracking system for safe traveling.
6. The travelers using this application are allowed to bargain the prices for the services provided.
7. The users using this application are authenticated by their Aadhar card.

Dependencies/ Show stopper:

An Android or IOS mobile with decent internet connectivity.

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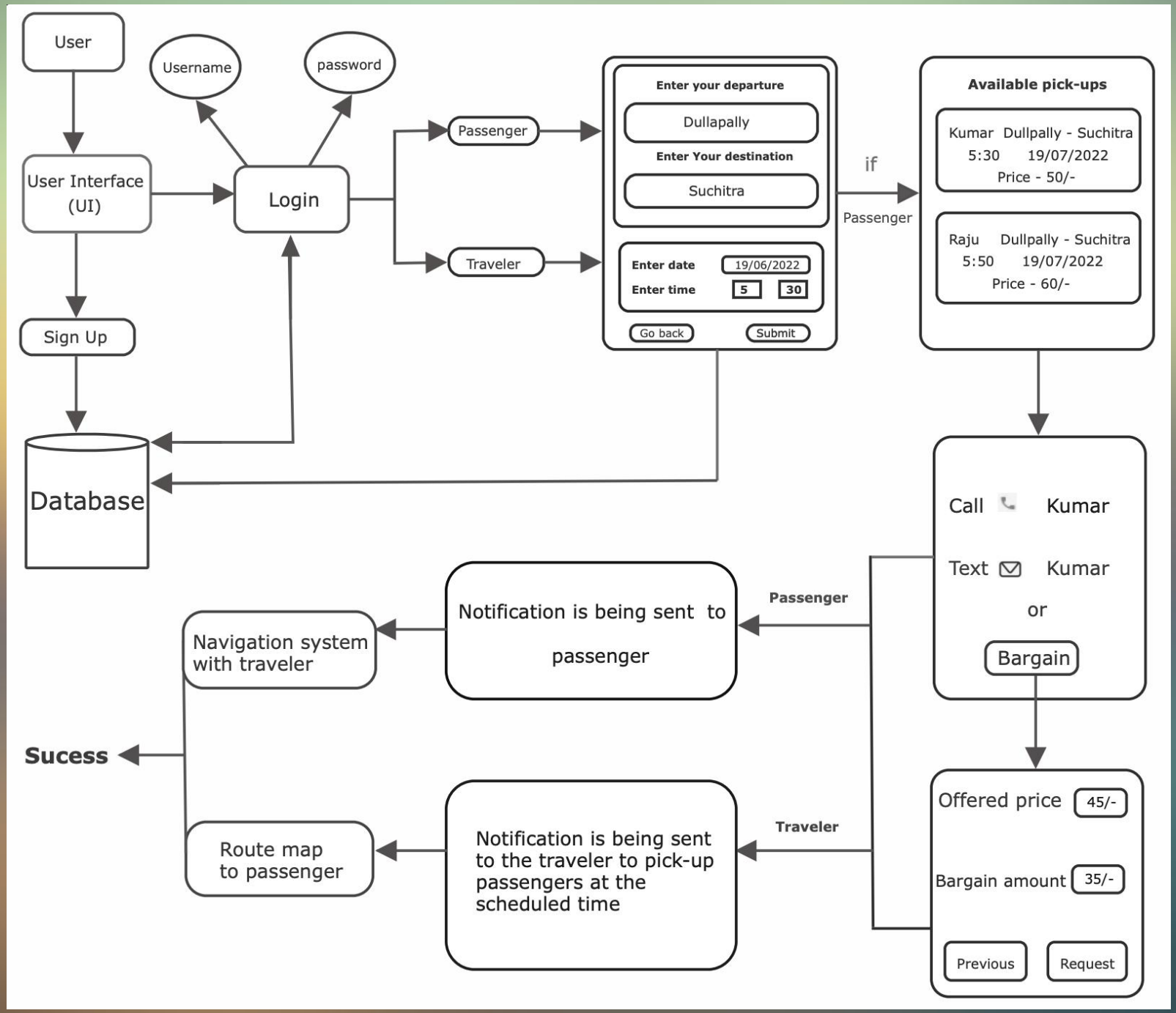
Flow Chart:


User
Username
password
User Interface (UI)
Login
Passenger
Traveler
Sign Up
Database
Enter your departure
Dullapally
Enter Your destination
Suchitra
Enter date
19/06/2022
Enter time
5
30
Go back
Submit
if
Passenger
Available pick-ups
Kumar Dullpally - Suchitra
5:30 19/07/2022
Price - 50/-
Raju Dullpally - Suchitra
5:50 19/07/2022
Price - 60/-
Call Kumar
Text Kumar
or
Bargain
Offered price 45/-
Bargain amount 35/-
Previous
Request
Passenger
Notification is being sent to passenger
Navigation system with traveler
Sucess
Traveler
Notification is being sent to the traveler to pick-up passengers at the scheduled time
Route map to passenger

Team Member Details

Team Leader Name: Kumar Sahani

Branch: B.tech Stream: AIML Year: II Year

Team Member 2 Name: Mamidi Ashish Kumar

Branch: B.tech Stream: AIML Year: II Year

Team Member 3 Name: Murugula Preetham Rajnesh

Branch: B.tech Stream: AIML Year: II Year

Team Member 4 Name: Madishetti Ramaleela

Branch: B.tech Stream: Aiml Year: II Year