Uber Clone

Gujarat Technological University (GTU)



**Developed By: -**

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**Group No:**

**MCM\_10\_33**

**Under the guidance of:**

**Prof. Rita Gokani**

**Submitted To: -**

**L.J. Institute of Computer Applications**



**L.J. INSTITUTE OF COMPUTER APPLICATION**

Near Nagdev Kalyan Mandir, Near Sarkhej Cross Roads,

Sarkhej-Gandhinagar Highway Ahmedabad - 382210  
Ph. No: 079 29296364



***CERTIFICATE***

**Enrollment No**: **195180686032**

This is to certify that Mr. **Aman Altaf Bhai Puthawala** studying in Integrated Master of Computer Applications, Semester X, Roll No **102** has satisfactorily completed his Project Titled **Uber Clone** under the supervision of **Prof. Rita Gokani.**

**Internal Guide Name :** **Signature**

Prof. Rita Gokani

**Date of Submission:**

**Director**

**Prof. Alok Manke**

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Ph. No: 079 29296364



***CERTIFICATE***

**Enrollment No**: **195180686039**

This is to certify that Mr. **Mohammad Uzaif Jakirmiya** Saiyed studying in Integrated Master of Computer Applications, Semester X, Roll No **118** has satisfactorily completed his/her Project Titled **Uber Clone** under the supervision of **Prof. Rita Gokani.**

**Internal Guide Name :** **Signature**

Prof. Rita Gokani

**Date of Submission:**

**Director**

**Prof. Alok Manke**

TABLE OF CONTENT

1. Introduction…………………………………………………………….…………………………………….…
   1. Existing System ….……………………………………………………………………………….………
   2. Need for the New System.………….………………………………………………………….…...
   3. Objective of the New System…….……………………………………………………………….
   4. Problem Definition.…………………………………………………………………………………….
   5. Scope of the Project and Core Components……………………………………………….
   6. Project Profile……………….…………………………………………………………………………….
   7. Assumptions and Constraints………………………………………………………………………
   8. Advantages and Limitations of the Proposed System…………………………………...
2. Requirement Determination and Analysis………………………………………......
   1. Requirement Determination…………………………………………….............................
   2. Targeted Users………………...……………………………………………................................
3. System Design……………………….……………………………………………………….………………….
   1. Use Case Diagram………………………………………………………………………………………...
   2. Class Diagram……………………………………………………………………………………….……….
   3. Interaction Diagram………………………………………………………………………………………………
   4. Activity Diagram……………………………………………………………………………………………
   5. Data Dictionary…………………………………………………………………………………………….
4. Development…………...…………………………………………….……………….……………………......
   1. Coding Standards………………………………………………………………………………………….
5. Agile Documentation………………………….……………………….……………………………….
   1. Agile Project Charter ……………………………………………………………………………………
   2. Agile Roadmap/Schedule………………………………………………………………………….….
   3. Agile Project Plan…………………………………………………………………………………………
   4. Agile User Story (Minimum 3 Task) ………………………………………………………………
   5. Agile Release Plan…………………………………………………………………………………………
   6. Agile Sprint Backlog………………………………………………………………………………………
   7. Agile Test Plan……………………………………………………………………………………………...
   8. Earned-value and burn charts……………………………………………………………………...
6. Proposed Enhancement………………………………………………………………………………
7. Conclusion……………………………………………………………………………………………………….
8. Bibliography……………………………………………………………….…………………………………….

**Acknowledgement**

It is our privilege to express our sincerest regards to our faculty and project guide, **Prof. Rita Gokani**, for their valuable inputs, able guidance, encouragement, whole-hearted cooperation and constructive criticism throughout the duration of our project. We deeply express our sincere thanks to our Head of Department **Dr. Monica Ghalawat** for encouraging and allowing us to present the project on the topic “**Uber Clone.**” at our department premises for the partial fulfilment of the requirements leading to the award of Integrated Masters of Computer Application (IMCA) degree. We take this opportunity to thank all our lectures who have directly or indirectly helped our project. Last but not the least we express our thanks to our friends for their cooperation and support.

**Introduction**

1. Introduction:

* A cutting-edge solution crafted to revolutionize the way people commute within cities.
* Our Uber Clone application is designed to offer riders a seamless and convenient transportation experience, mirroring the interface and efficiency of the original Uber app. Whether you are a rider in need of a reliable mode of transport or a driver seeking flexible earning opportunities.
* Our Uber Clone Application implements the core principles of accessibility and efficiency. With just of few taps on your smartphone, rider can effortlessly request rides, track their journey in real-time, and reach the destination with convenience.
* For drivers, our platform offers an interface for managing trips, optimizing routes, and maximizing earnings.
  1. Existing System:
* There are many existing Transportation Application for easy ride, each with their own unique feature and functionalities. Some of the most popular Transportation Application includes: -
* **Uber:** Uber first official application debuted in San Fransisco in 2011. Uber’s pricing is fairly competitive with other offerings, and with the number of drivers on the platform.
* **Ola:** Ola is one of the most popular ride apps in India. Launched in 2010. Ola cabs stands as one of the premium taxi-booking platform in India.
* **Rapido:** Rapido is a unique ride-app that specializes in bike. Launched in 2015, the app allows riders to book a ride on a motorcycle for a faster ride.
  1. Need for the New System:
* We make this Uber clone to address the issue wherein if a driver is delayed for a trip and the rider cancels the ride then rider would have to pay half of the amount. Therefore, we devised a solution: if a driver is delayed for a ride, the system will automatically cancel the trip and connect the rider with the nearest available driver.
  1. Objective of the New System:
* The objective of the new system for the Uber Clone Application, typically revolves around enhancing the existing functionalities, addressing rider needs more effectively. Here some common objectives for a new system:
* **Enhanced Rider Experience:** Improve the app design and usability to make it easier and more enjoyable for both riders and drivers to use.
* **Enhanced Reliability and Performance:** Optimize the app performance to ensure faster response time, smoother navigation, and reduces downtime.
* **Localization and Personalization:** Incorporate localization features a to support multiple languages.
* **Integration:** Ensure seamless integration with third party services such as payment gateways, mapping services, to enhance the rider experience and provide added value to rider.
  1. Problem Definition:
* We make this Uber clone to address the issue wherein if a driver is delayed for a trip and the rider cancels the ride then rider would have to pay half of the amount
  1. Core Components:
* **Rider**
* **Rider Registration and Authentication:**
  + Riders should be able to register and create accounts using email, phone number, Adhaar number.
* **Ride Booking:**
  + Riders should be able to specify pickup and drop-off locations and request rides.
* **Driver Matching and Dispatching:**
* The platform should match riders with nearby available drivers based on location and availability.
* Drivers should receive ride requests and have the option to accept or reject them.
* **Driver**
* **Driver Registration and Authentication:**
  + Drivers should be able to register and create accounts using email, phone number, Adhaar number.
* **Ride requests overview:**
* Displays incoming ride requests with relevant details such as pickup location, destination, and fare estimate.
* **Availability status:**
* Allows drivers to set their availability for accepting ride requests.
* **Earnings summary:**
* Provides a summary of earnings, including completed rides, bonuses, and incentives.
* **Admin:**
* **Overview of platform activity:**
  + Display driver availability and its earning, Rider activity (pick-up & drop, route).
* **Management:**
  + Enables the admin to edit rider and driver profiles, update information, and manage preferences.
* **Payment:**
  + Payment should be managed by the admin side, some percentage has been given to the driver.
  1. Project Profile:

|  |  |  |
| --- | --- | --- |
| Project title | Uber Clone | |
| Framework | Flutter 3.19.5 | |
| Front-End Language | Dart 3.3.3 | |
| Backend Language | Dart 3.3.3 | |
| Database | Firebase Console | |
| Mode | Online | |
| Tools | Android Studio 2023.2.1.24 | |
| External Project Guide | Prof. Rita Gokani | |
| Developed By | Name | Enrolment number |
| Aman Altaf Bhai Puthawala | 195180686032 |
| Mohammed Uzaif Zakirmiya Saiyed | 195180686039 |

* 1. Assumptions and Constraints:

**Assumptions:**

* The rider should have basic knowledge of English language.
* **Rider Availability:** Riders have access to smartphones with GPS capabilities and internet connectivity.
* **Driver Availability:** There will be a sufficient number of drivers registered on the platform to meet rider demand.
* **Payment Processing:** Riders are willing to make payments electronically through the app using other payment methods integrated into the platform.
* **Location Accuracy:** The GPS systems of riders' smartphones and drivers' devices provide accurate location data for efficient matching and navigation.

**Constraints:**

* **Technology Stack:** The app will be built using specific technologies and frameworks, which may impose constraints on compatibility with certain devices or operating systems.
* **Security:** The app must implement robust security measures to protect rider data, payment information, and prevent unauthorized access or fraudulent activities.
* **Scalability:** The platform should be designed to handle increasing rider and driver volumes as the rider base grows, with scalability considerations built into the architecture.
* **Rider Behavior:** Rider behavior, such as ride cancellations, late arrivals, or disputes, may impact the efficiency and reliability of the service, necessitating appropriate policies and procedures to address such issues.
  1. Advantages and Limitations:

**Advantages:**

* **Convenience:** Riders can easily book rides from their smartphones, eliminating the need to wait for taxis or navigate public transportation schedules.
* **Accessibility:** The app provides transportation options for riders who may not have access to personal vehicles or prefer not to drive.
* **Safety:** Features such as driver tracking, trip histories and enhance safety and security for both riders and drivers.
* **Cost-Effectiveness:** Uber clone apps often offer competitive pricing compared to traditional taxi services.

**Limitations:**

* **Dependence on Technology:** The reliability of the service is contingent on stable internet connectivity and functioning GPS systems, which may be unavailable in certain areas or under specific circumstances.
* **Regulatory Challenges:** Uber clone apps may face regulatory hurdles and legal challenges in certain regions, impacting their availability and operations.
* **Driver Availability:** Rider experience may be affected if there are insufficient drivers available in a particular area, leading to longer wait times or difficulty securing rides.
* **Customer Support:** Inadequate customer support or response times can result in frustration for riders experiencing issues with the app, payments, or rides.

**Requirement Determination**

**&**

**Analysis**

* 1. Requirement Determination:

Hardware Requirement:

* **Development Requirement:** Minimum requirement is 8GB RAM, Windows machine, Android Studio / VS Code.
* **Application Requirement:** Minimum requirement is 4GB RAM, Android 10, Internet Connection.

Software Requirement: We require following software:

* 1. Code Editor: Visual Studio Code / Android Studio
  2. Diagram Editor: draw.io
  3. Database: Firebase
  4. Browser: Chrome, Microsoft edge etc.

**Functional Requirement:**

1. **Rider Registration and Authentication:**

* Riders should be able to register and create accounts using email, phone number.

1. **Ride Booking:**

* Riders should be able to specify pickup and drop-off locations and request rides.
* Riders should receive confirmation notifications upon successful booking.

1. **Driver Matching and Dispatching:**

* The platform should match riders with nearby available drivers based on location and availability.
* Drivers should receive ride requests and have the option to accept or reject them.

**Non-Functional Requirement:**

1. **Performance:**

* The app should be responsive and provide quick load times for seamless rider experience.

1. **Scalability:**

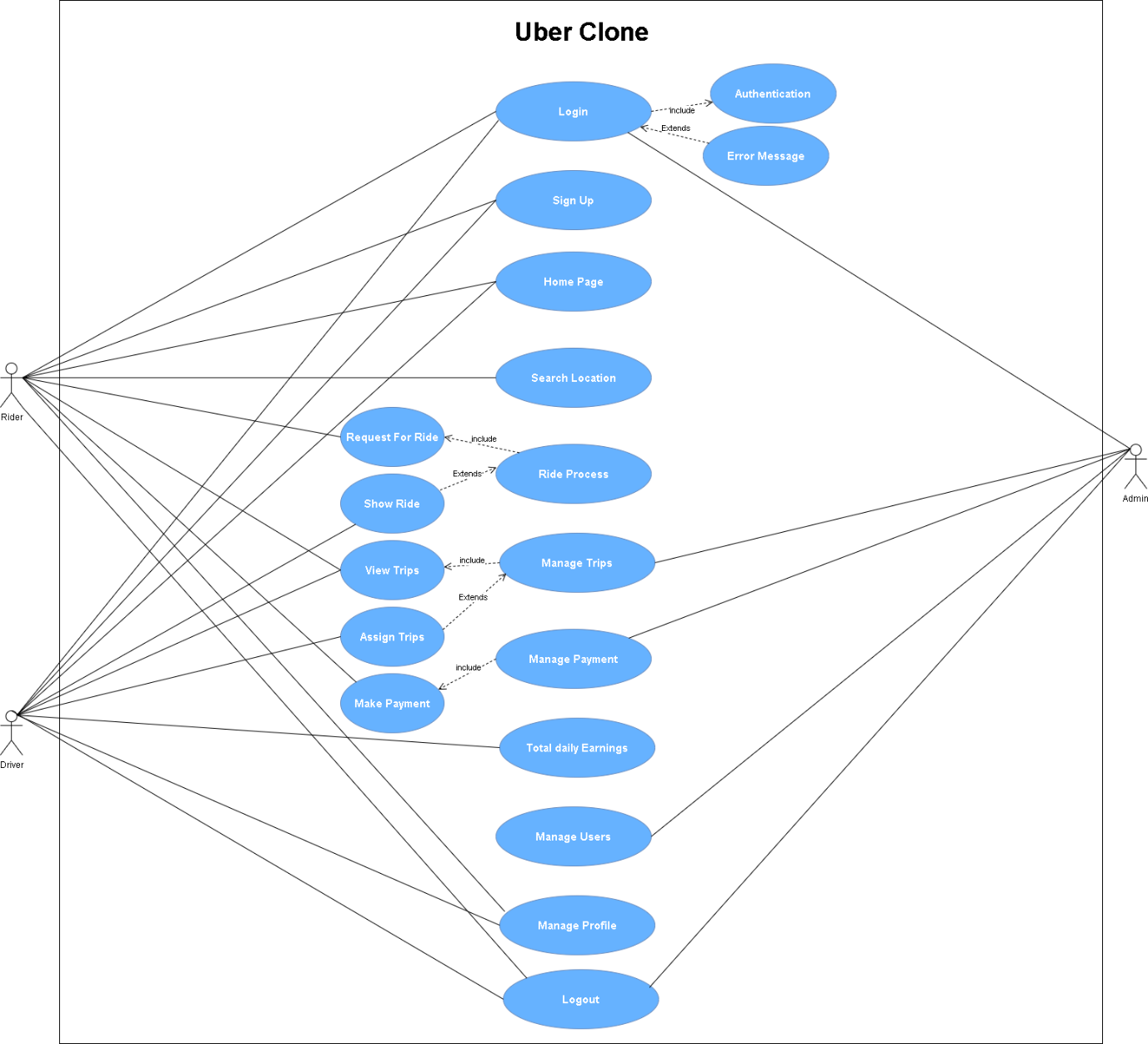
* The platform should be able to handle a large volume of concurrent riders and ride requests, especially during peak hours.

1. **Reliability:**

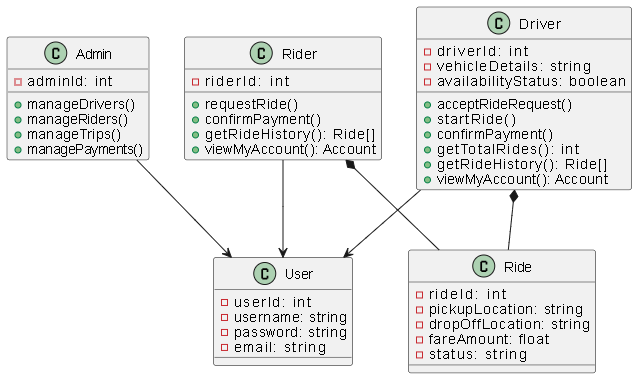
* The app should have minimal downtime and service interruptions to ensure continuous availability for riders.
  1. Targeted Users:
* **Rider: -** The rider is an individual who uses the Uber clone app to request rides and travel to various destinations.
* **Driver: -** The driver is an individual who uses the Uber clone app to provide transportation services to riders.
* **Admin: -** The admin is responsible for managing and overseeing the operations of the Uber clone platform.

**System Design**

* 1. Use Case Diagram:

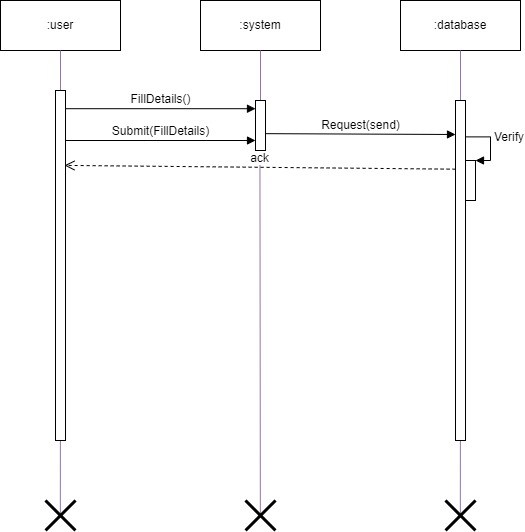


* 1. Class Diagram:



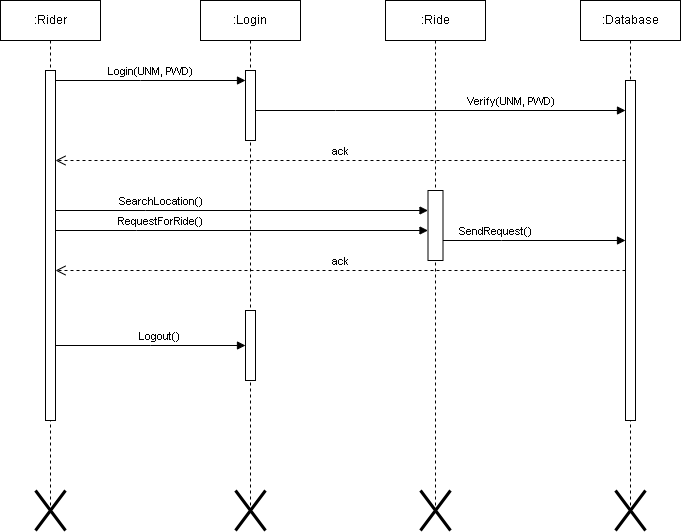
* 1. Interaction Diagram:

**Registration Process**

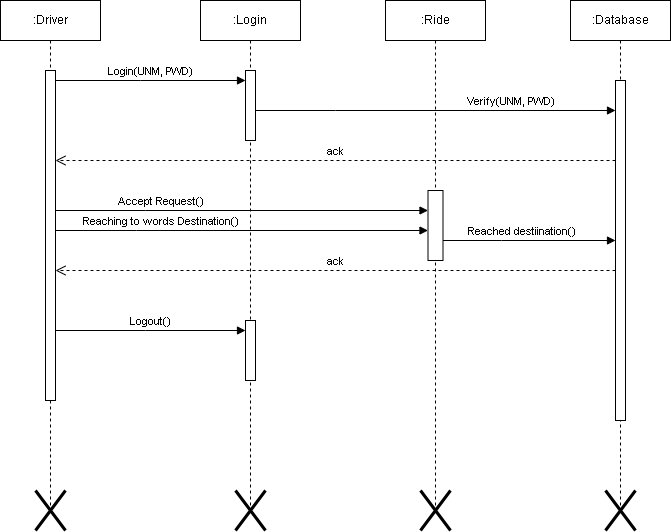


**Ride Process**

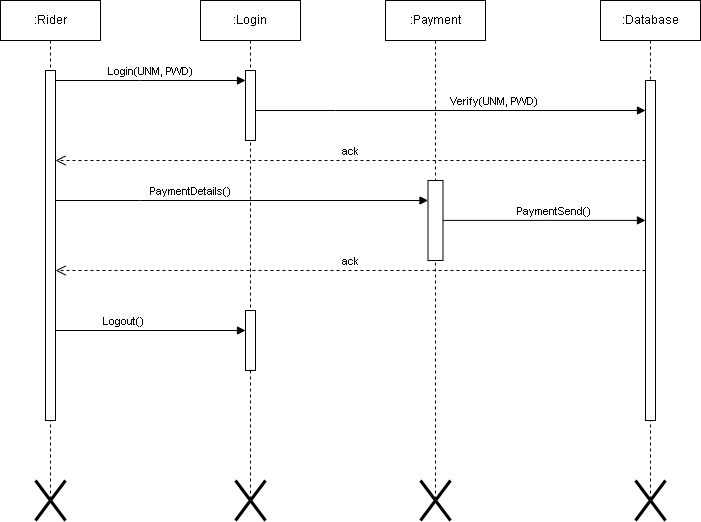
* **Request for ride**

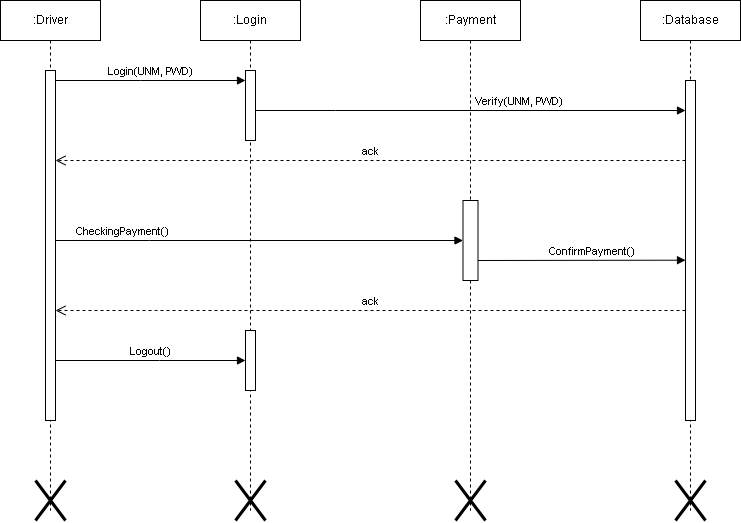
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* **Driver Accept / Cancel ride**

****

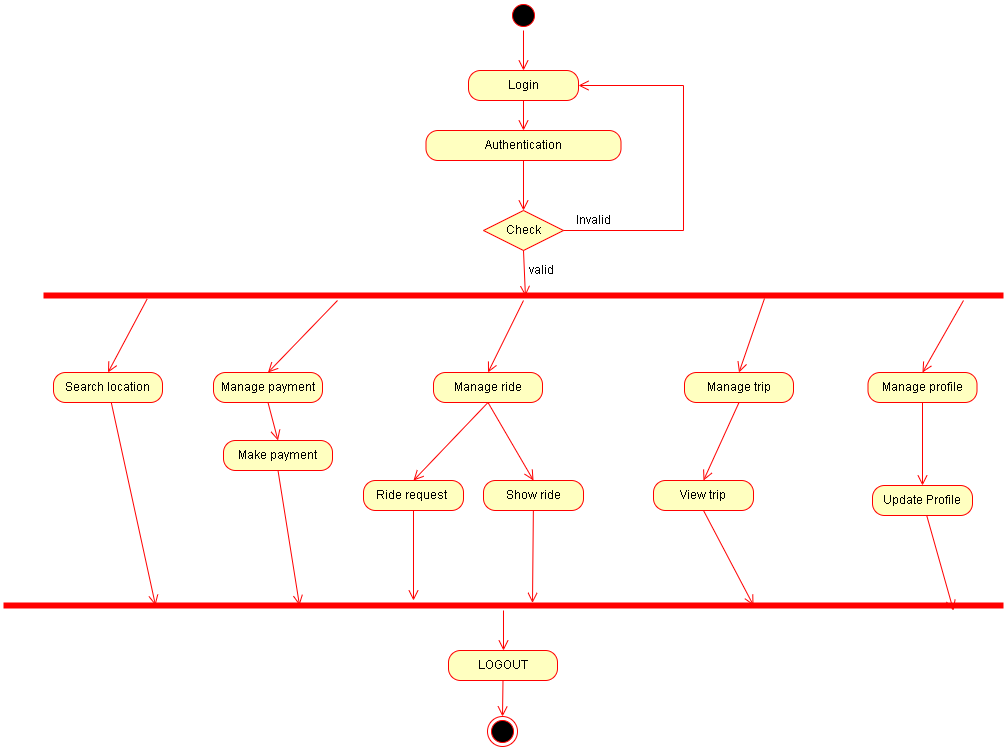
**Payment Process**

****

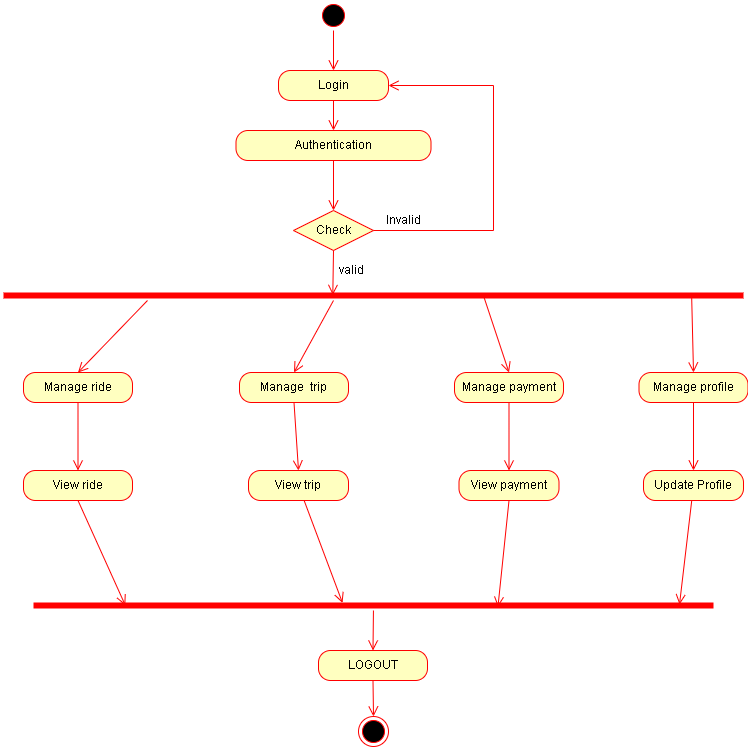


* 1. Activity Diagram:

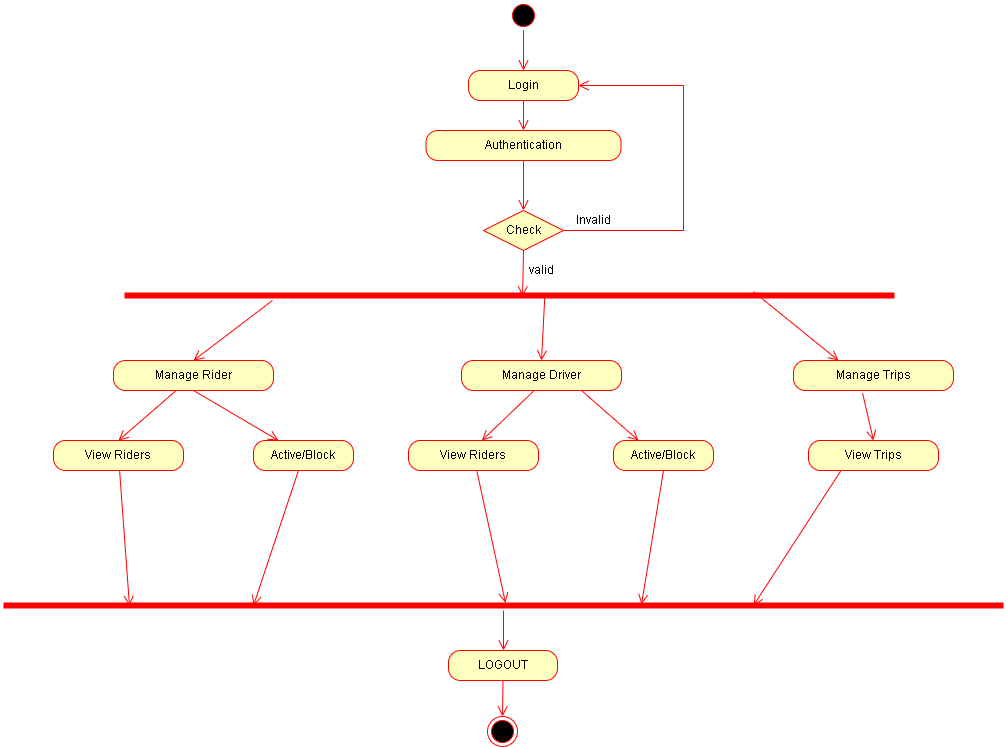
**Rider**

****

**Driver**

****

**Admin**

****

* 1. Data Dictionary:

**1 Table Name:** Riders Registration

**Table Description:** Details of the logged in riders

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **type** | **constraints** | **description** | **sample data** |
| Rider\_id | String | Unique key | identification | 636e95883774caecb0cb35a5 |
| Name | String | Not null | Name of the user | Amaan |
| Email | String | Unique,not null | Email of the user | [amaan@gmail.com](mailto:amaan@gmail.com) |
| Blockstatus | String | Not null | Status of the user | No / Yes |
| phone | String | Not null | Phone number of the user | 8986969786 |

**2 Table Name:** Drivers

**Table Description:** Details of the drivers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **type** | **constraints** | **description** | **sample data** |
| Driver\_id | String | Unique key,  Not null | identification | 6fsfh83774caecb0cb35a5 |
| Trip\_id | String | Foreign Key | Trip table id | Dfgh45dhgdh56hh |
| Name | String | Not null | Name of the driver | Aadil |
| Photo | String | Not null | Photo of the driver | Xyz/abc.png |
| Blockstatus | String | Not null | Status of the driver | No / Yes |
| phone | String | Not null | Phone number of the driver | 8986969786 |
| Total Earnings | Integer | Not null | Total earnings of the driver | 110Rs. |

**3 Table Name:** Trips

**Table Description:** Details of the trips

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **type** | **constraints** | **description** | **sample data** |
| Trip\_id | String | Unique key,  Not null | identification | 6fsfh83774caecb0cb35a5 |
| Payment\_id | String | Foreign Key | Payment table id | jhsgdjhdjdss |
| Rider\_id | String | Foreign Key | Rider table id | Dfgh45dhgdh56hh |
| Driver\_id | String | Foreign Key | Driver table id | Dfgh45dhgdh56hh |
| Timing | DateTime | Not null | Time and date of the trip | Sept 2023 12:30 |
| Starting Point | String | Not null | Address of the starting point | Vadodara |
| Ending Point | String | Not null | Address of the ending point | Ahmedabad |

**4 Table Name:** Payment

**Table Description:** Details of the payment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **type** | **constraints** | **description** | **sample data** |
| Payment\_id | String | Unique key,  Not null | identification | 6fsfh83774caecb0cb35a5 |
| Rider\_ref\_id | String | Foreign Key | Rider table id | Dfgh45dhgdh56hh |
| Driver\_ref\_id | String | Foreign Key | Driver table id | Dfgh45dhgdh56hh |
| Amount | Integer | Not null | Amount of the trips | 20Rs. |

**5 Table Name:** Admin Registration

**Table Description:** Details of the admin registration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **type** | **constraints** | **description** | **sample data** |
| Admin\_id | String | Unique key | identification | 636e95883774caecb0cb35a5 |
| Name | String | Not null | Name of the user | Amaan |
| Email | String | Unique,not null | Email of the user | [amaan@gmail.com](mailto:amaan@gmail.com) |
| phone | String | Not null | Phone number of the user | 8986969786 |

**Development**

# Coding Standards:

Following coding standards, we keep in the mind while developing system:

1. Naming Conventions:

- Use descriptive names for variables, functions, classes, and methods.

- Use camelCase for variable names and lowerCamelCase for method and function names.

- Use UpperCamelCase for class names.

2. File and Directory Structure:

- Organize your files logically, typically following Flutter's project structure.

- Separate UI components, business logic, and data models into different directories.

- Utilize folders such as `screens`, `widgets`, `models`, `services`, etc.

3. Formatting:

- Follow the Dart formatter (`dartfmt`) for code formatting.

- Use 2 spaces for indentation.

- Limit lines to 80 characters where possible.

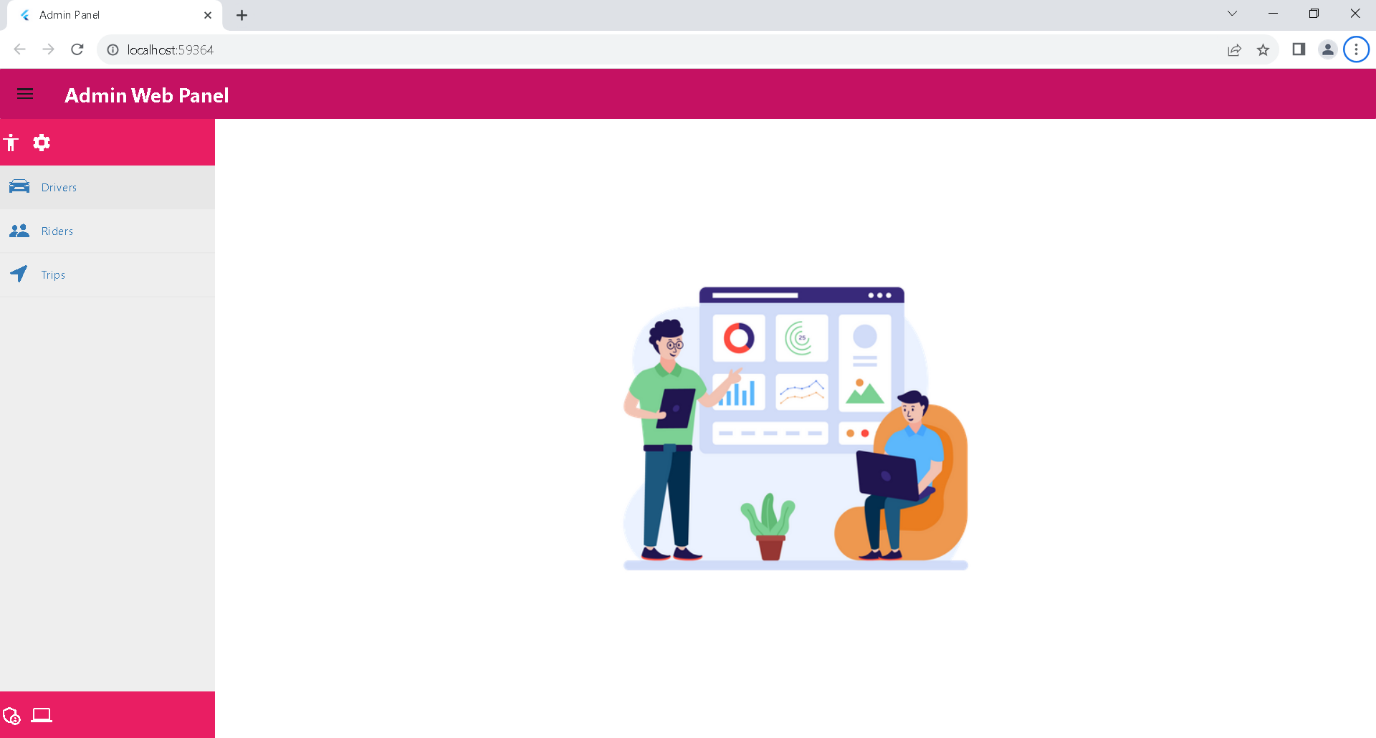
4. Comments:

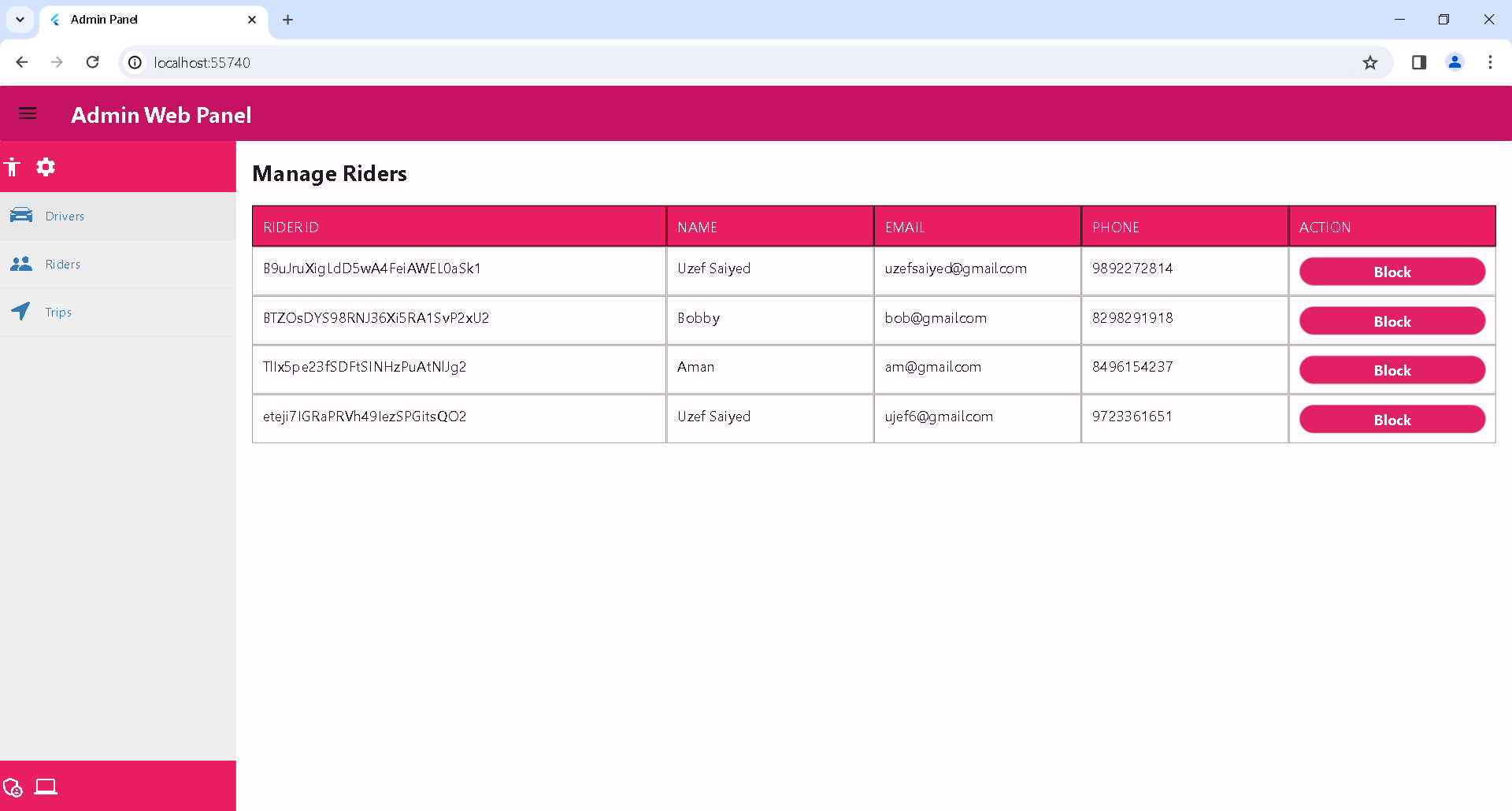
- Provide comments to explain complex algorithms or clarify the intent of the code.

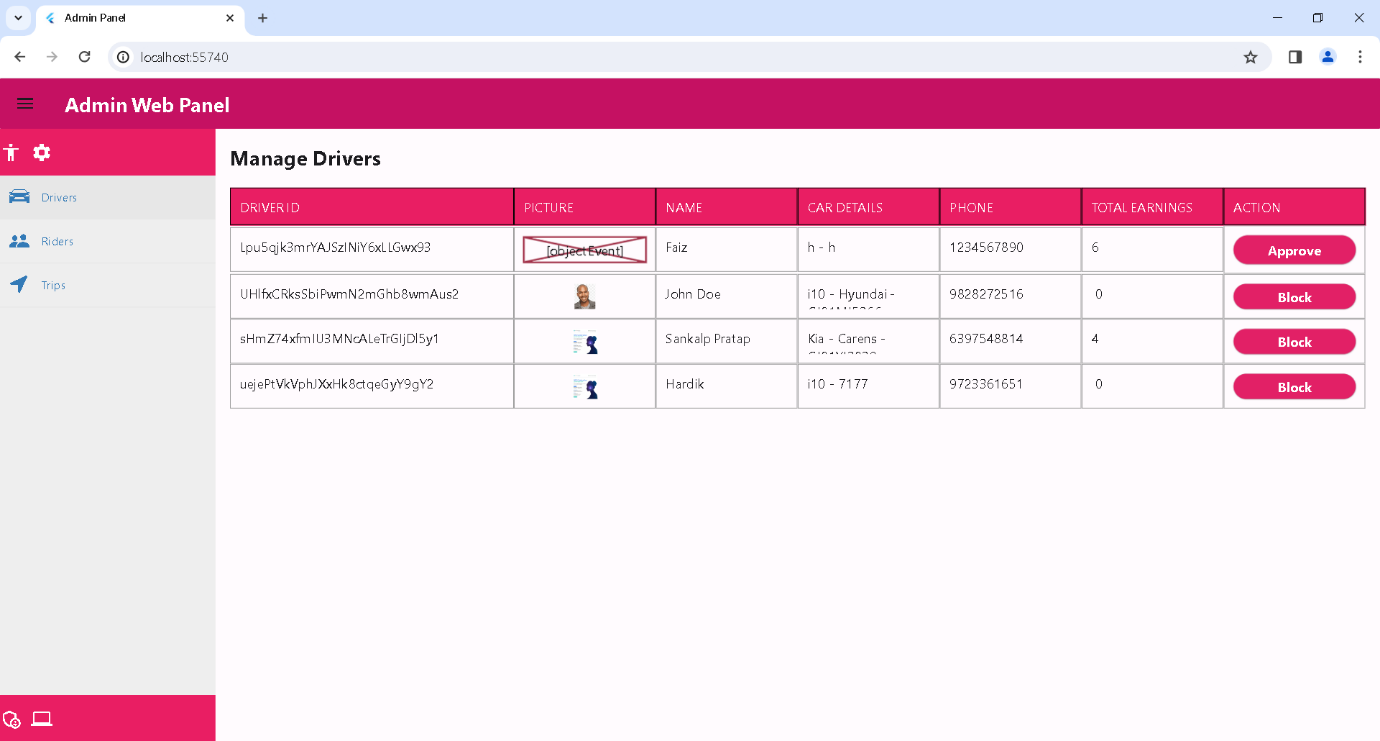
- Follow Dart's commenting conventions (/// for documentation comments).

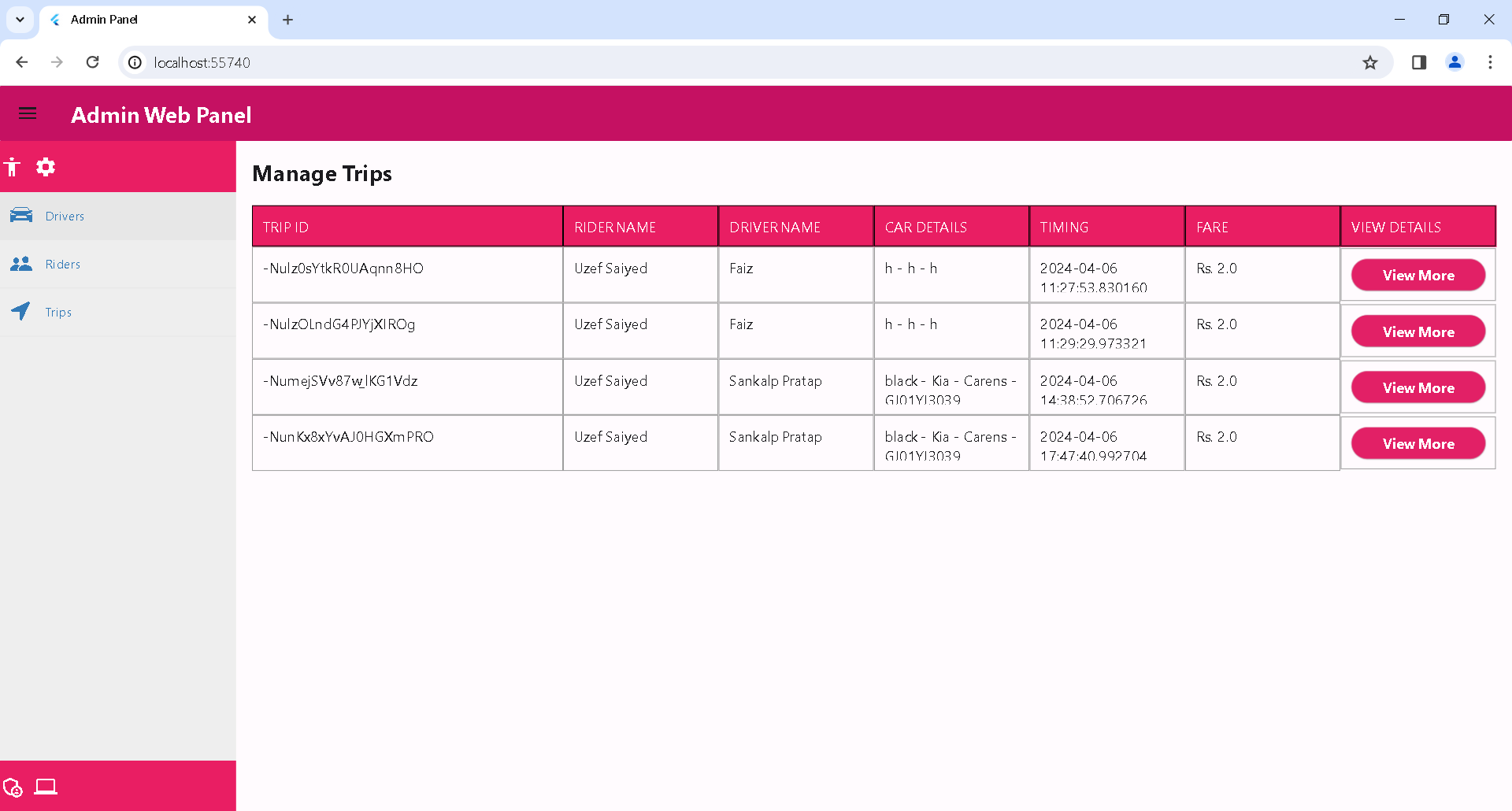
# Project Screenshots:

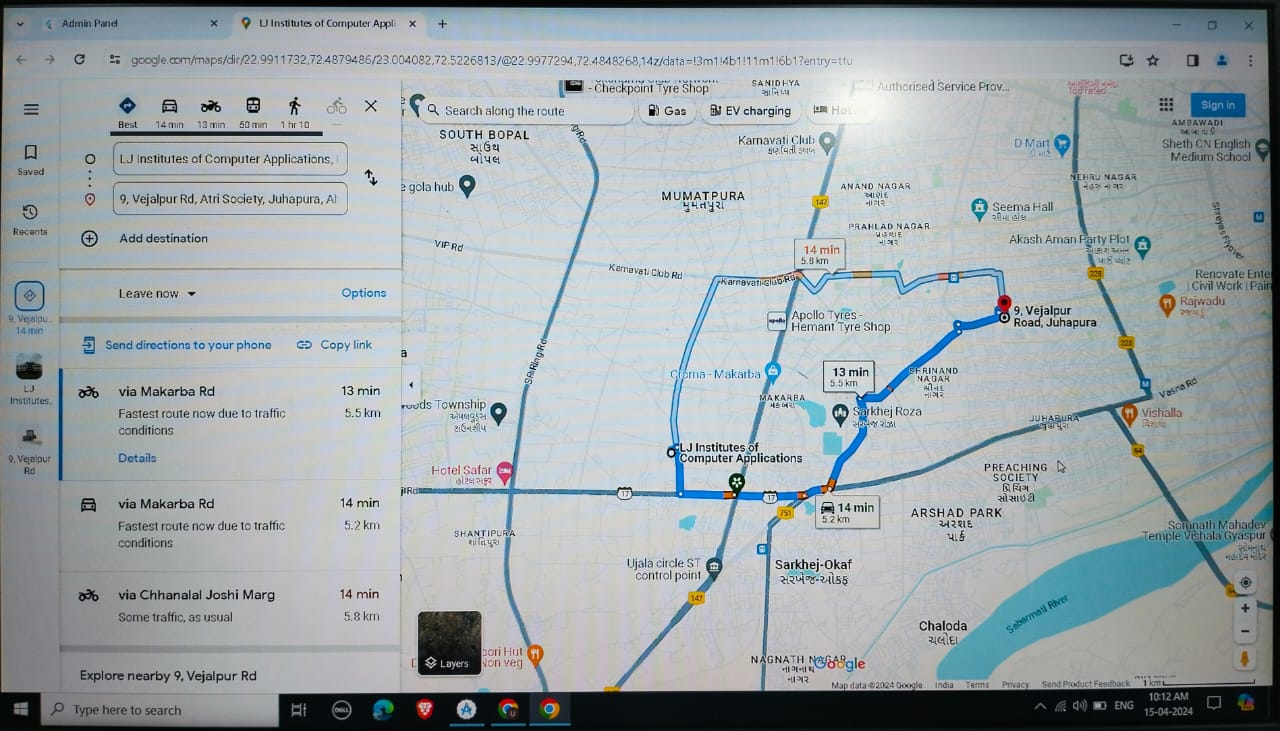
* + - * 1. **Admin**



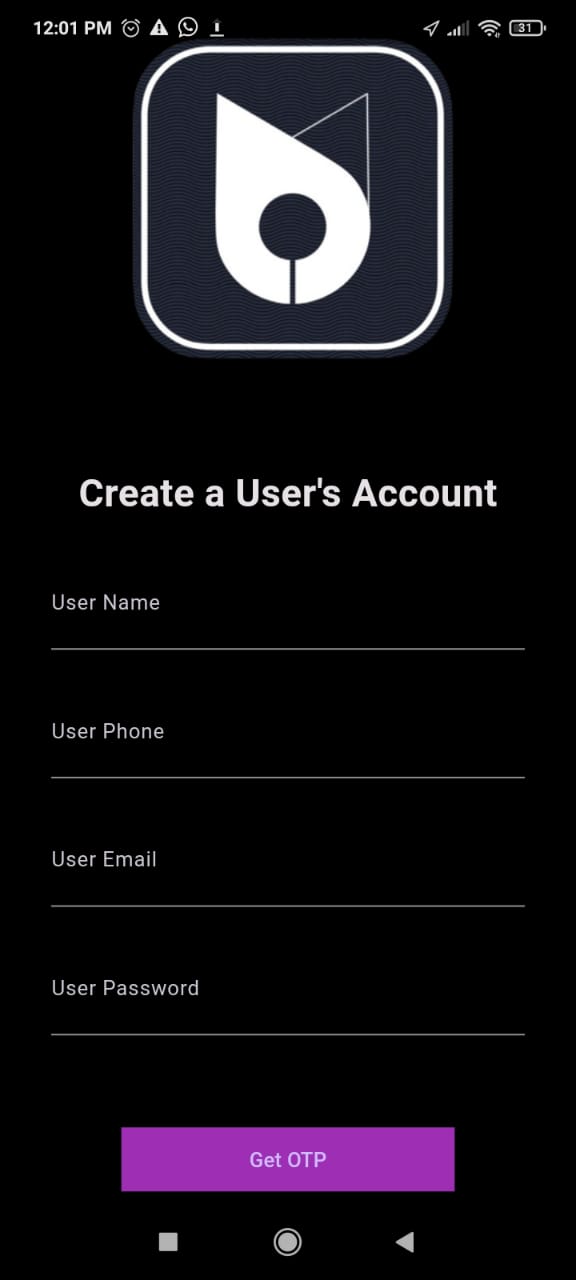
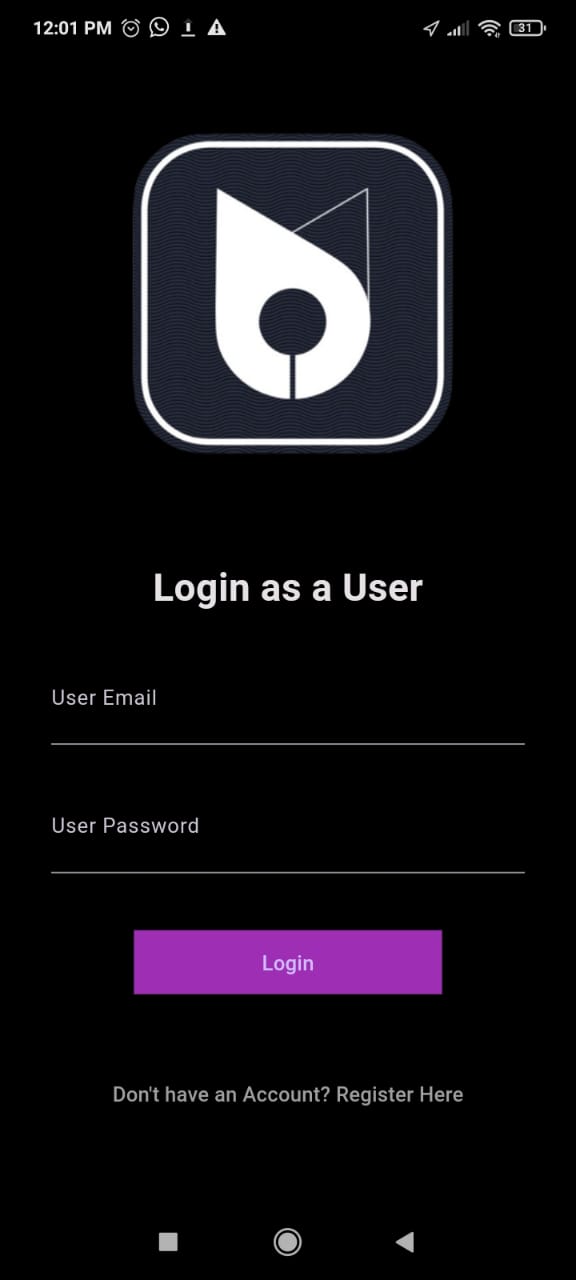
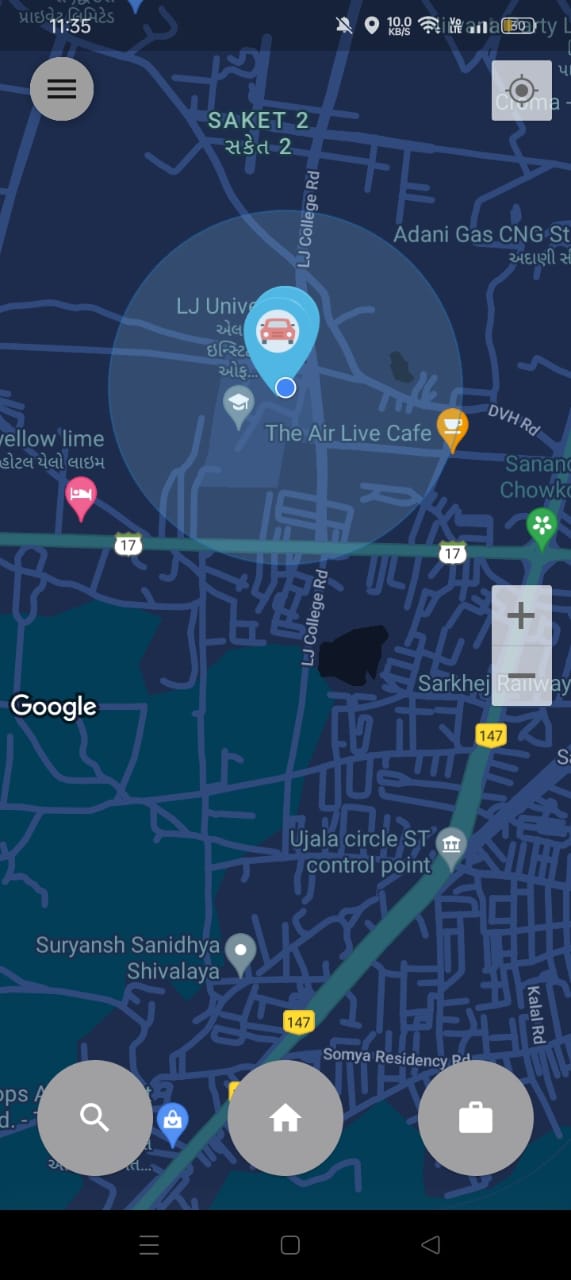
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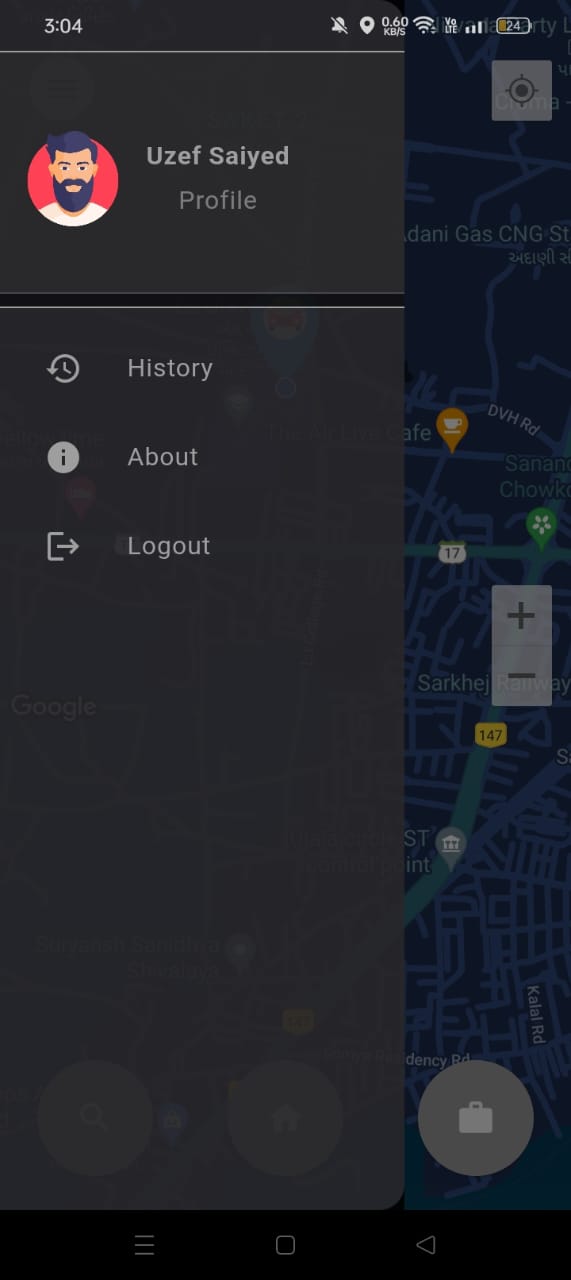
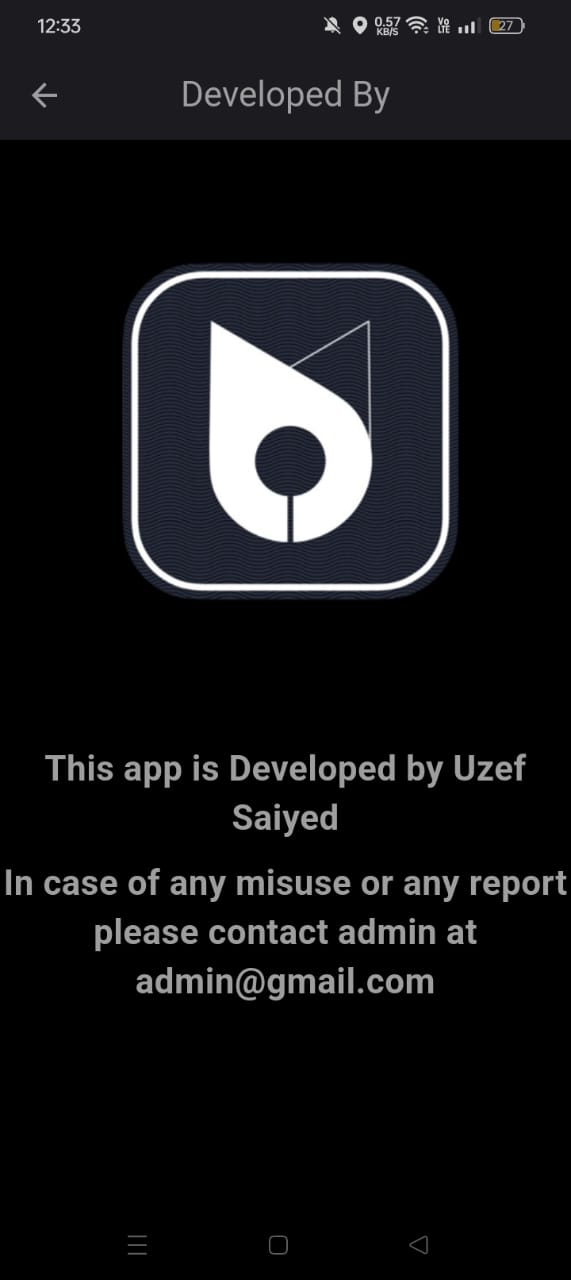
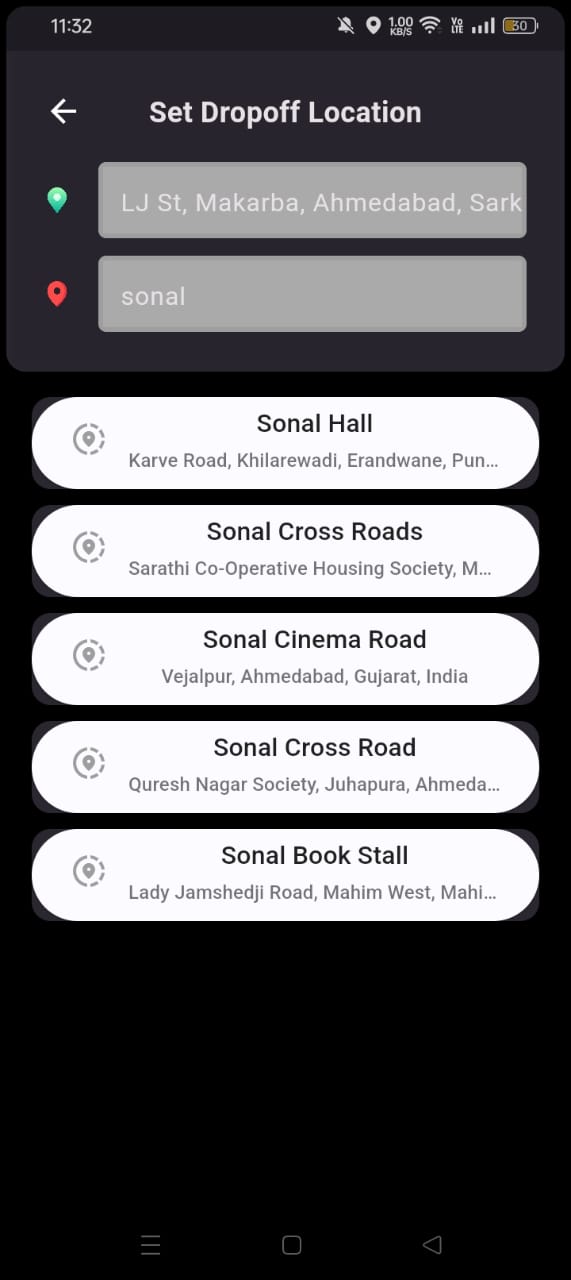
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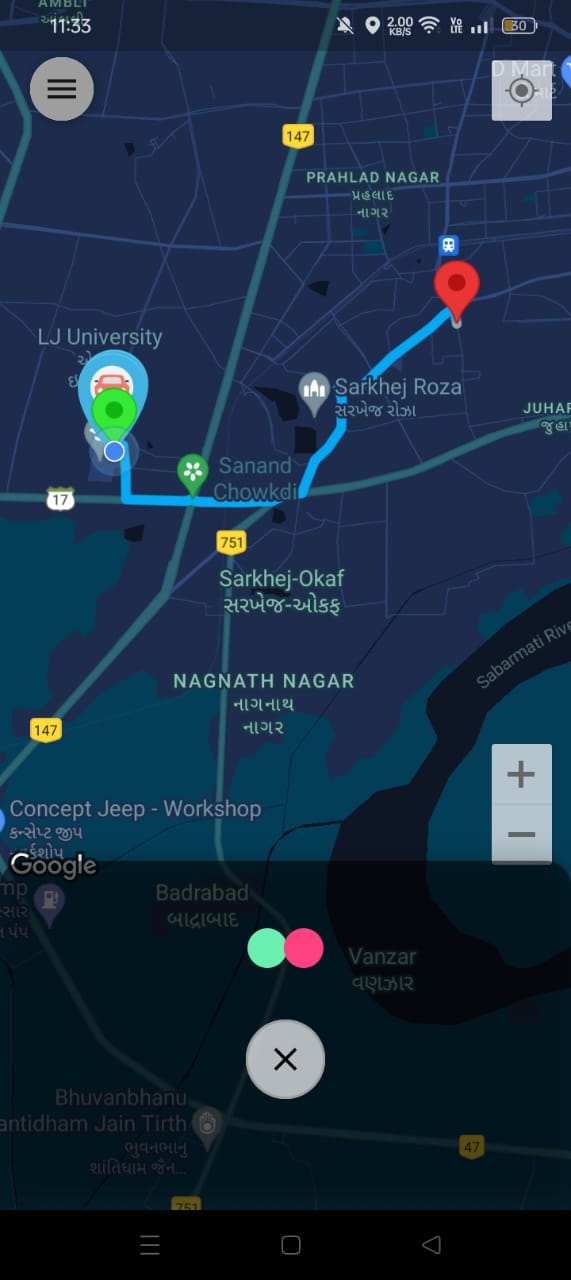
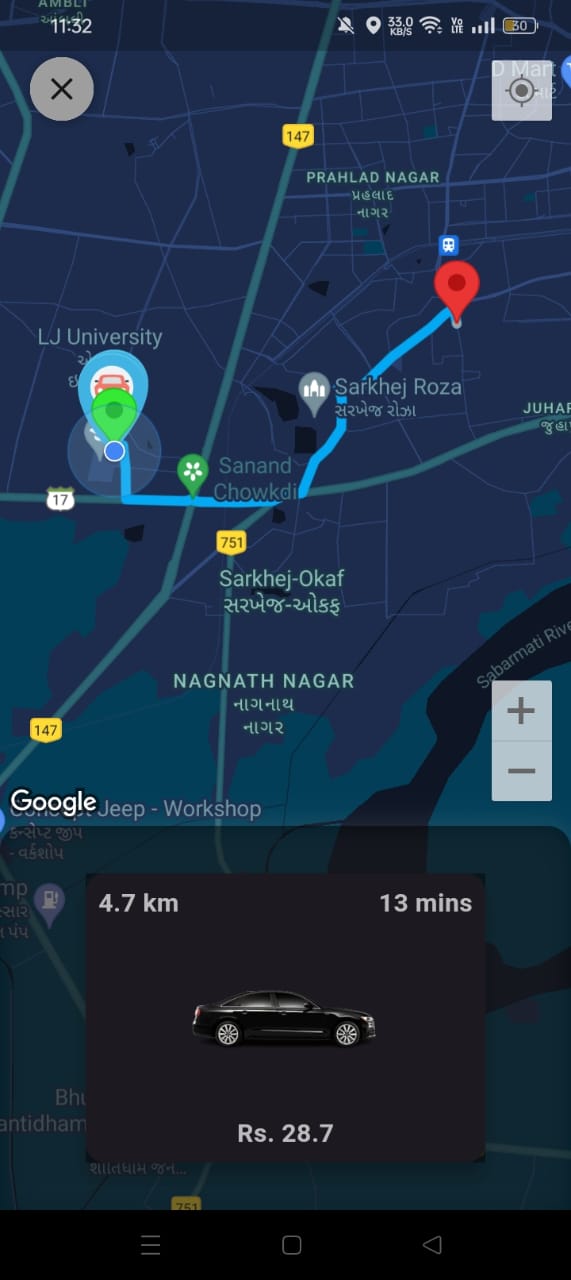
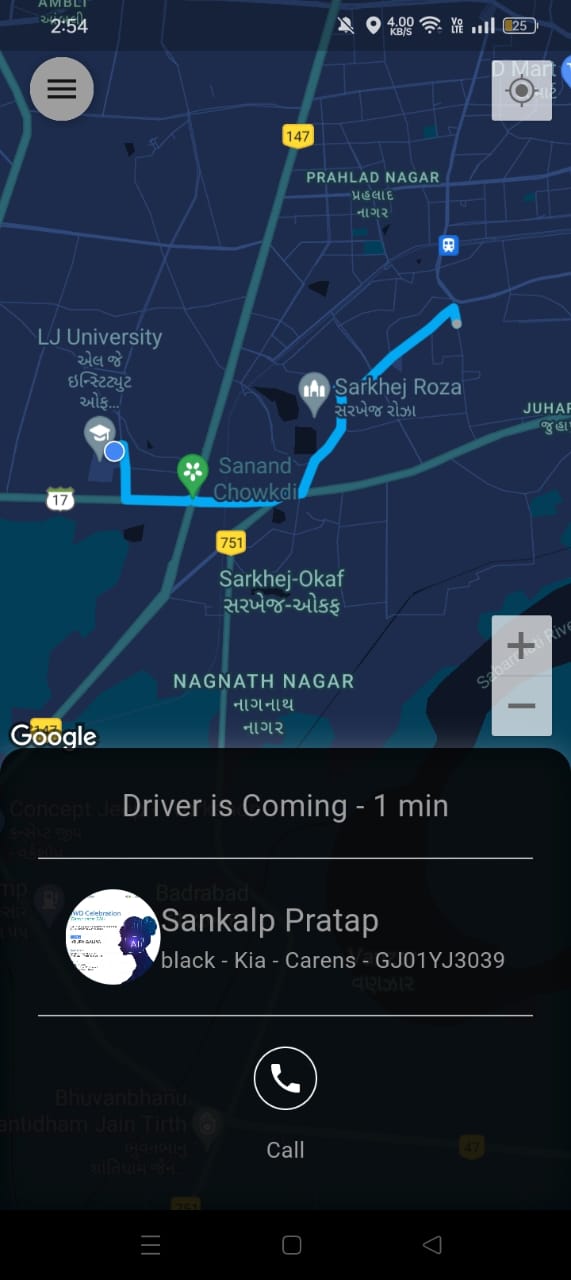
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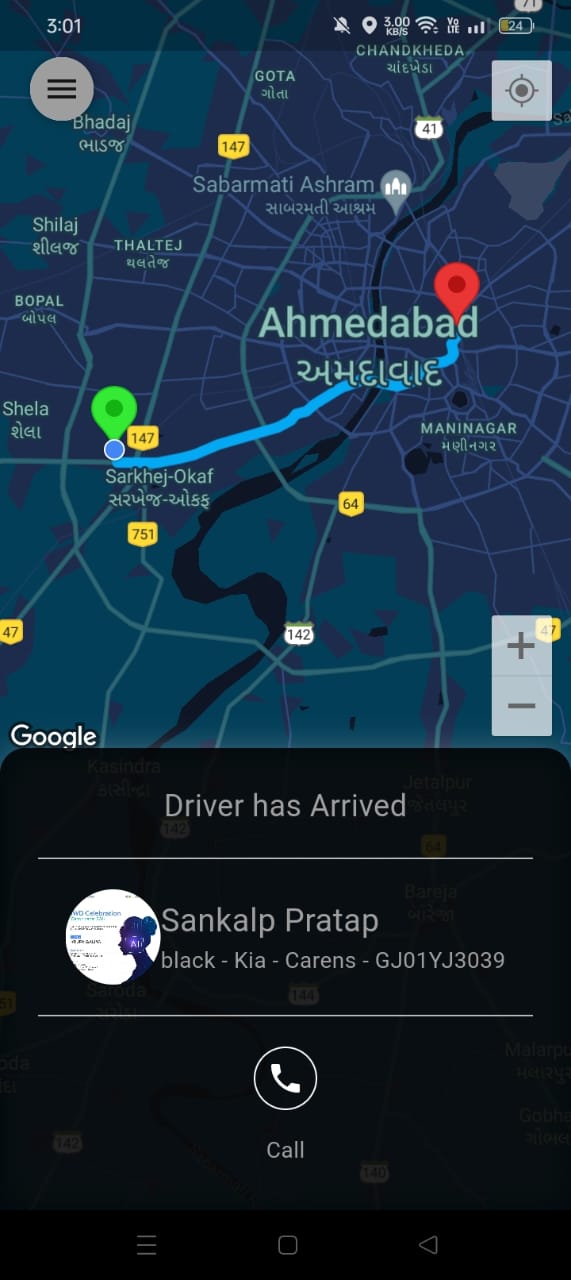
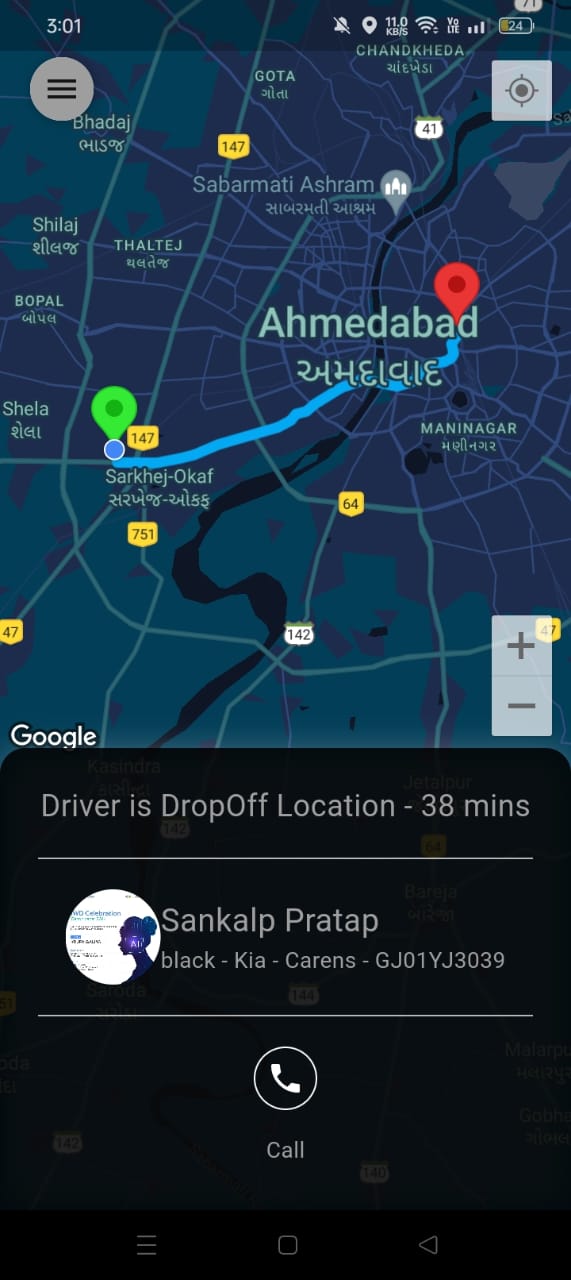
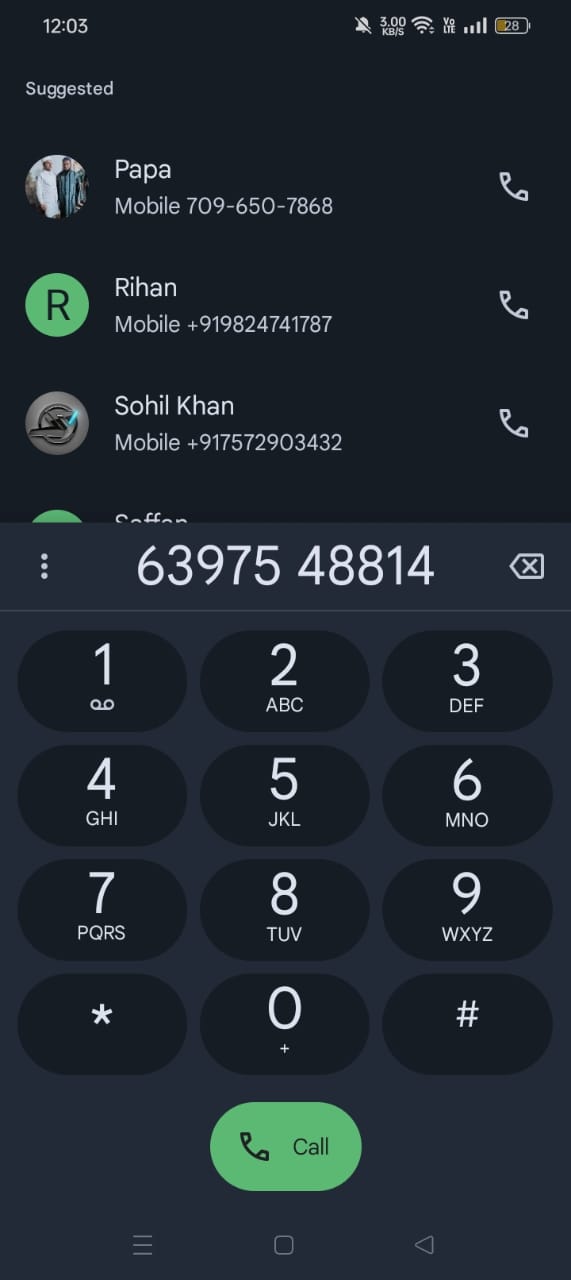
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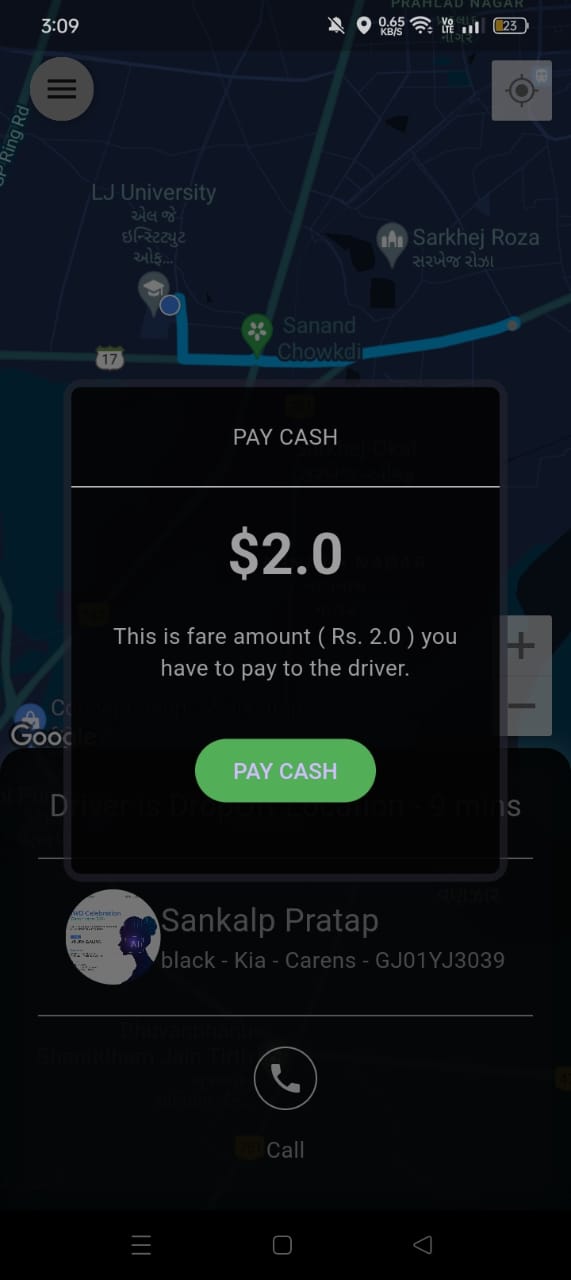
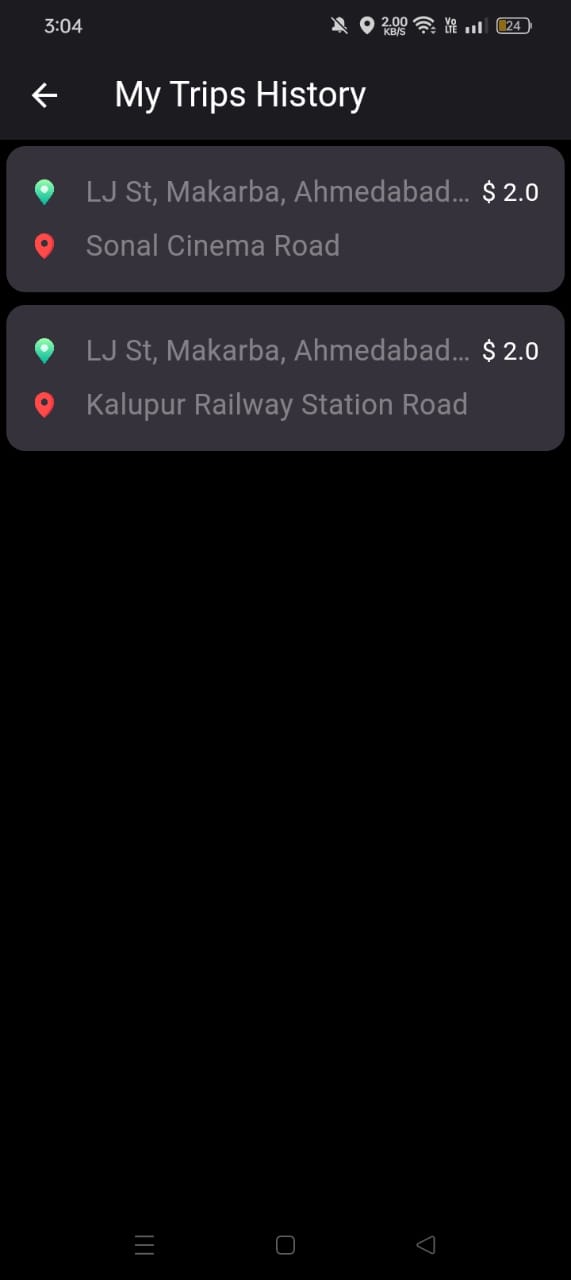
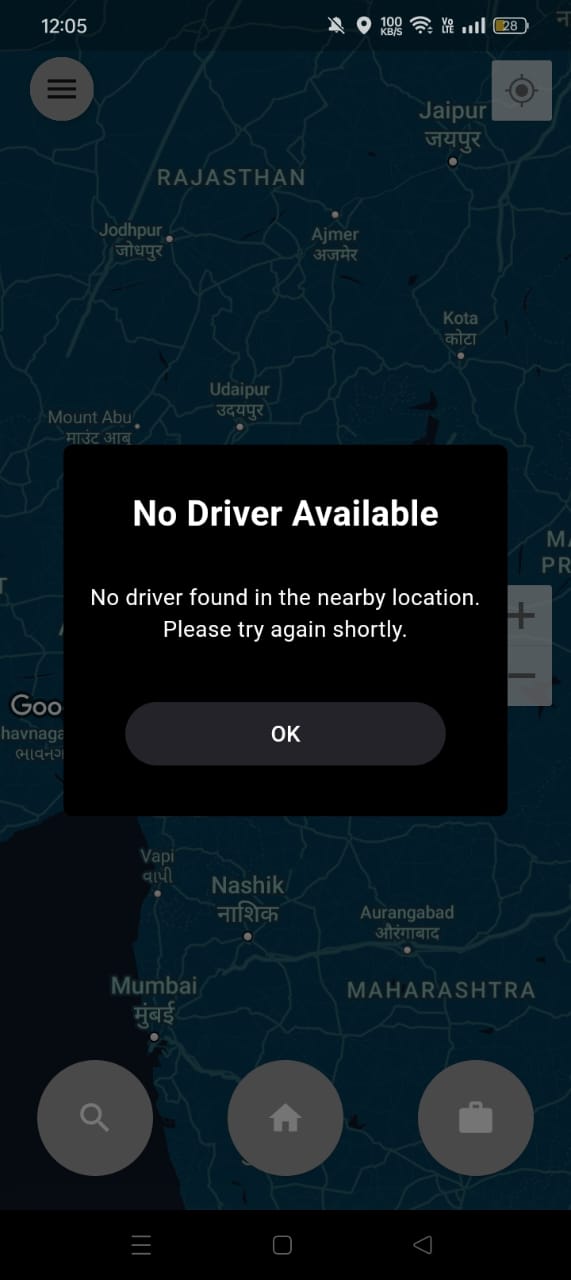
* + - * 1. **Rider**

**  **

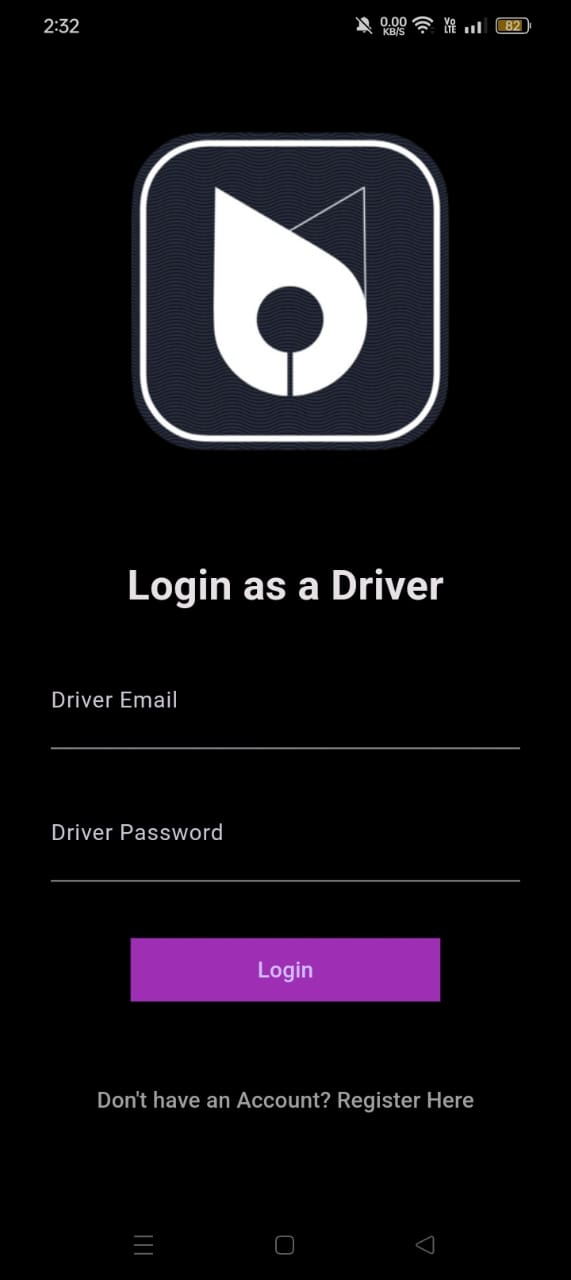
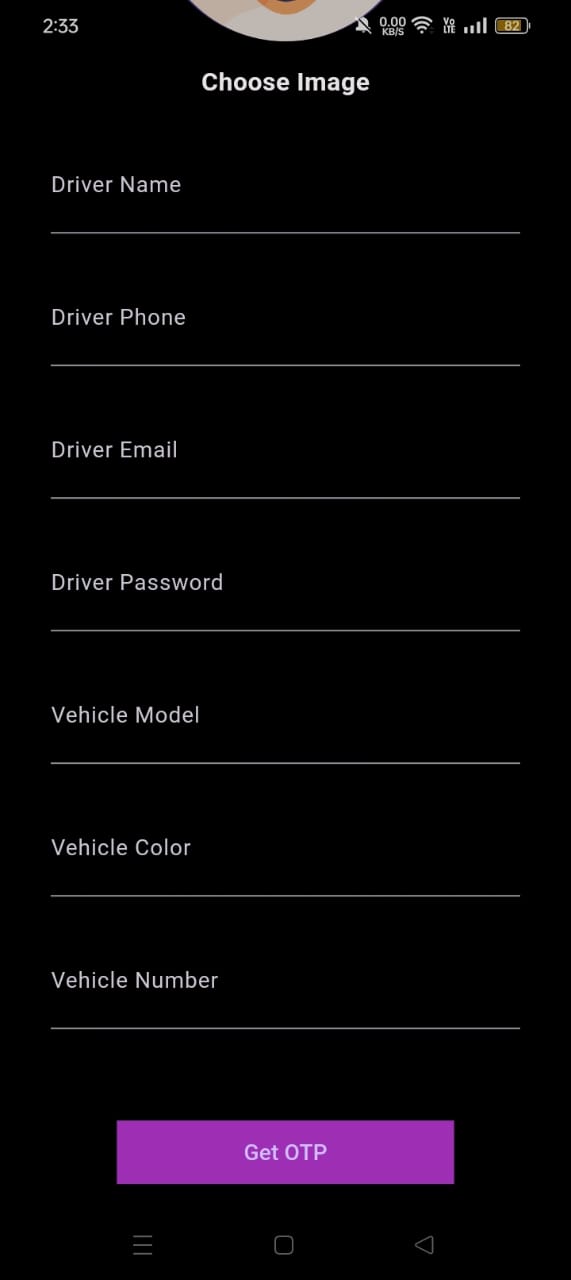
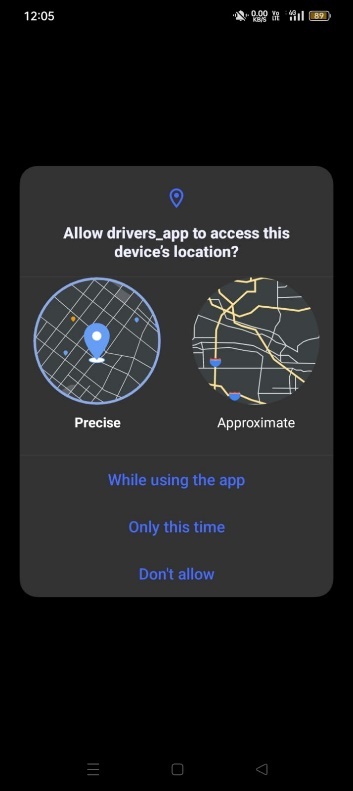
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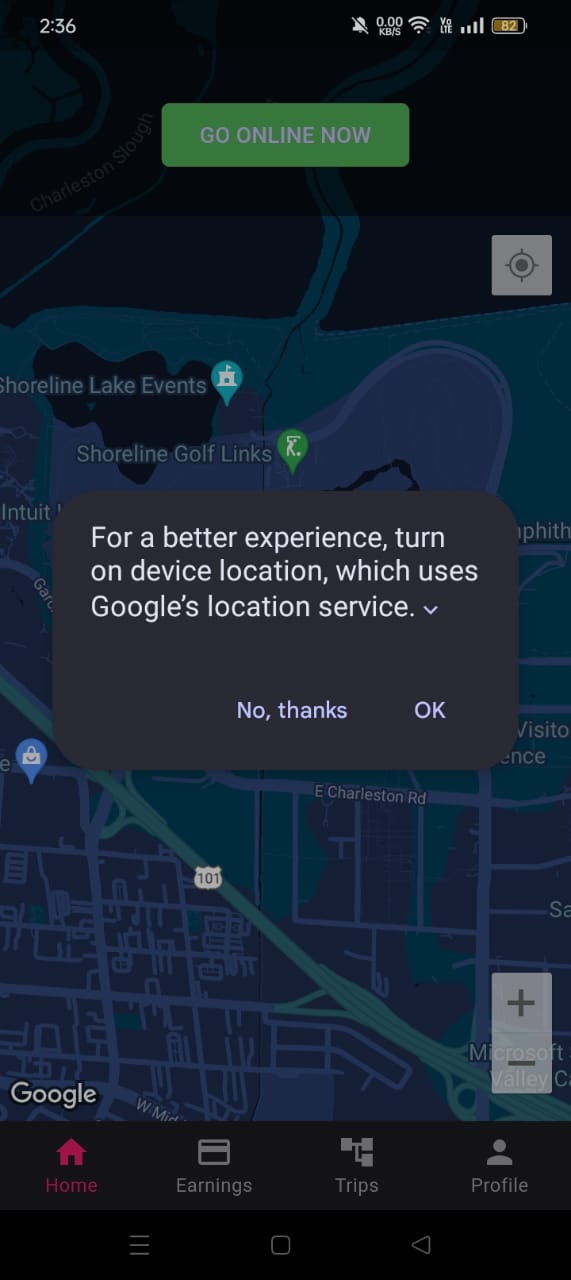
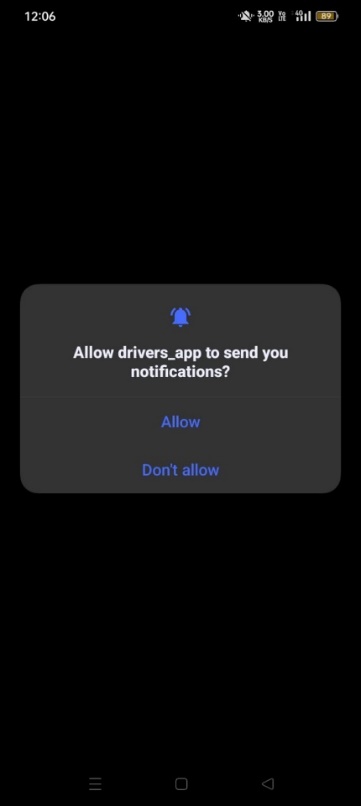
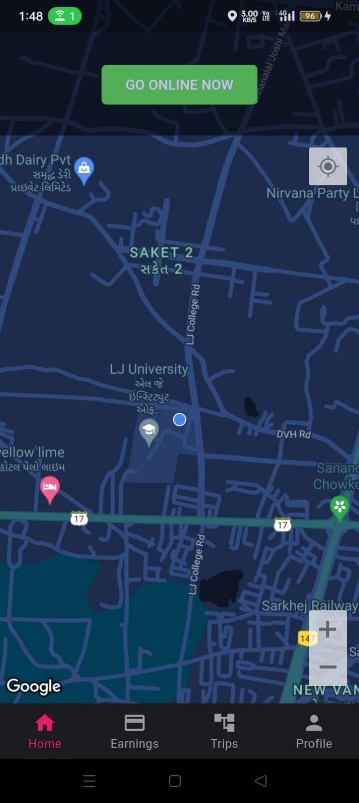
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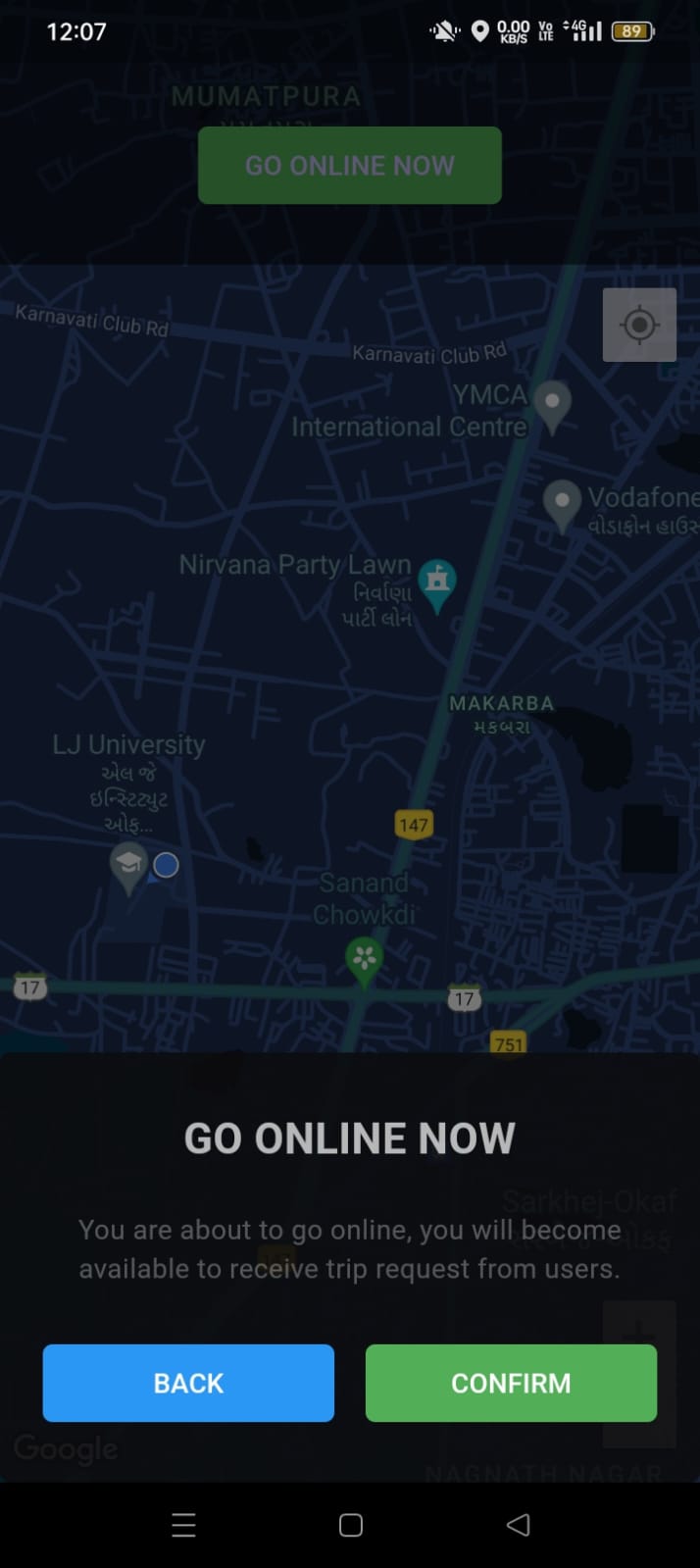
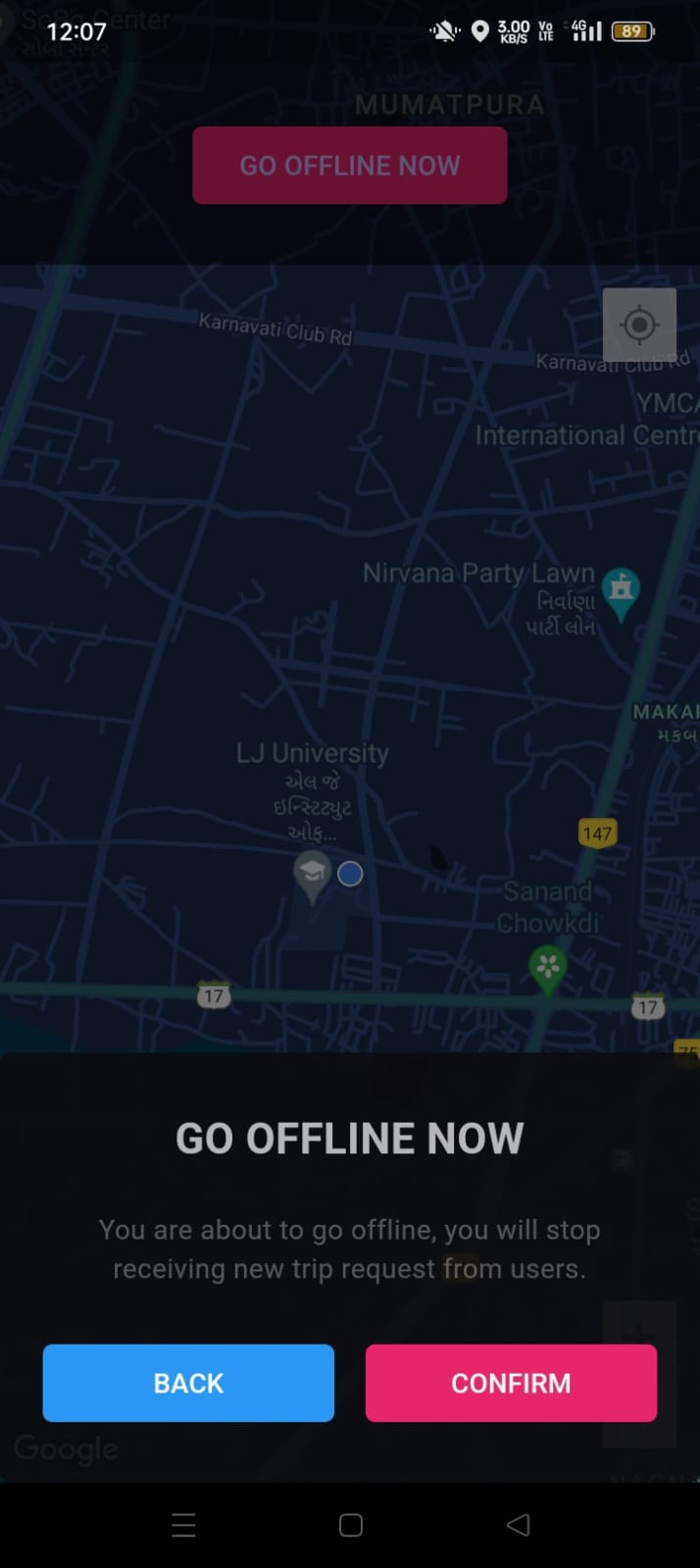
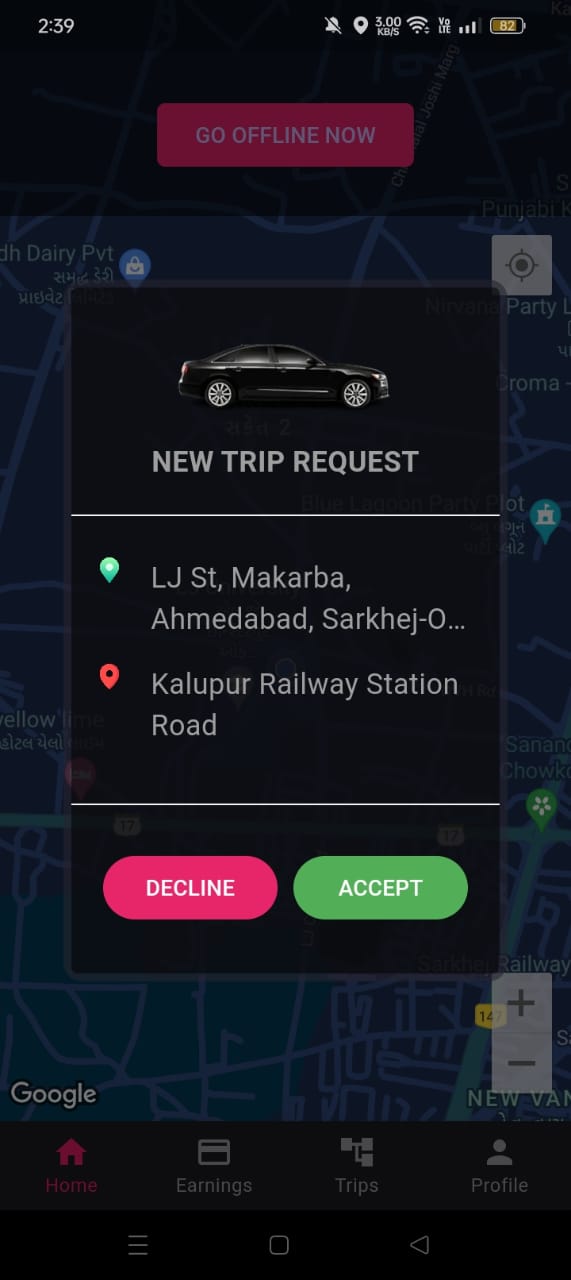
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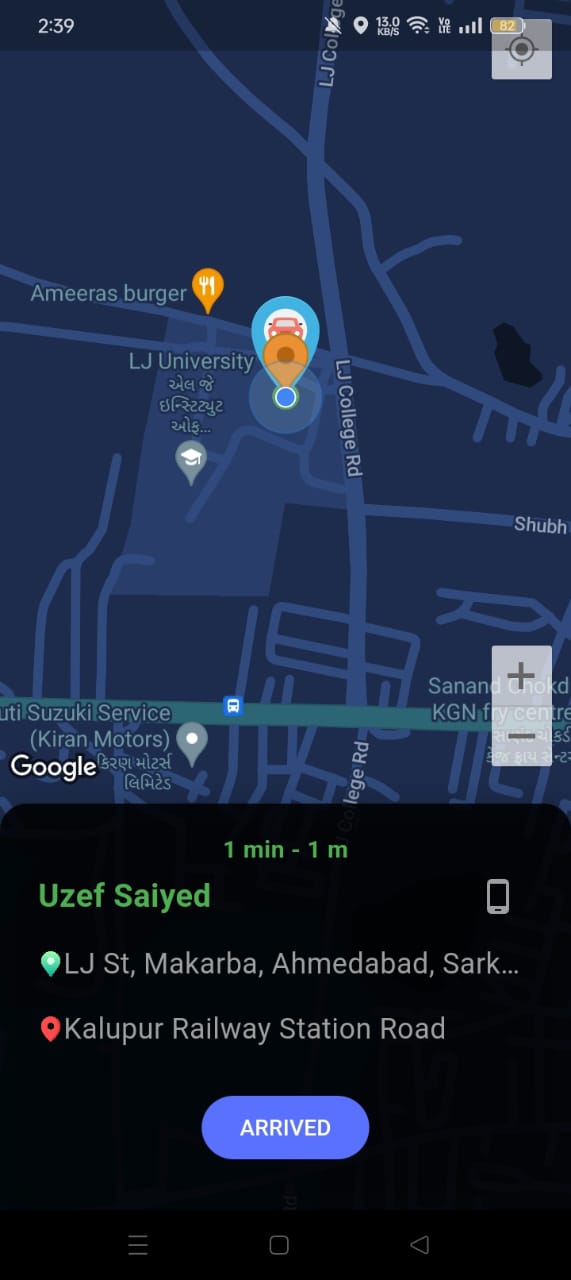
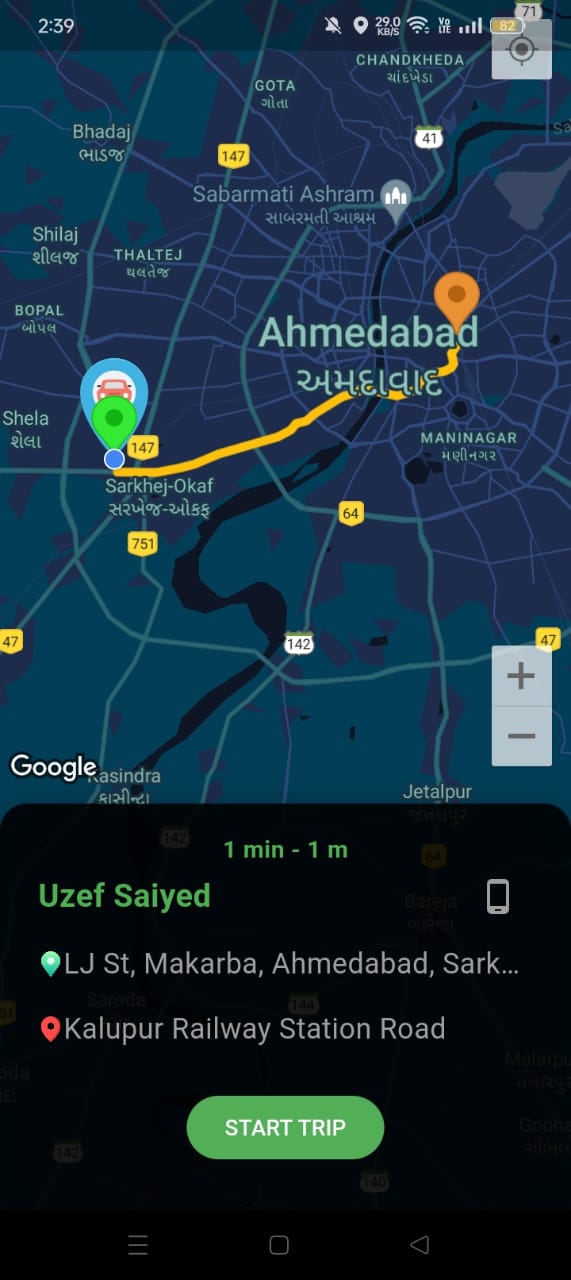
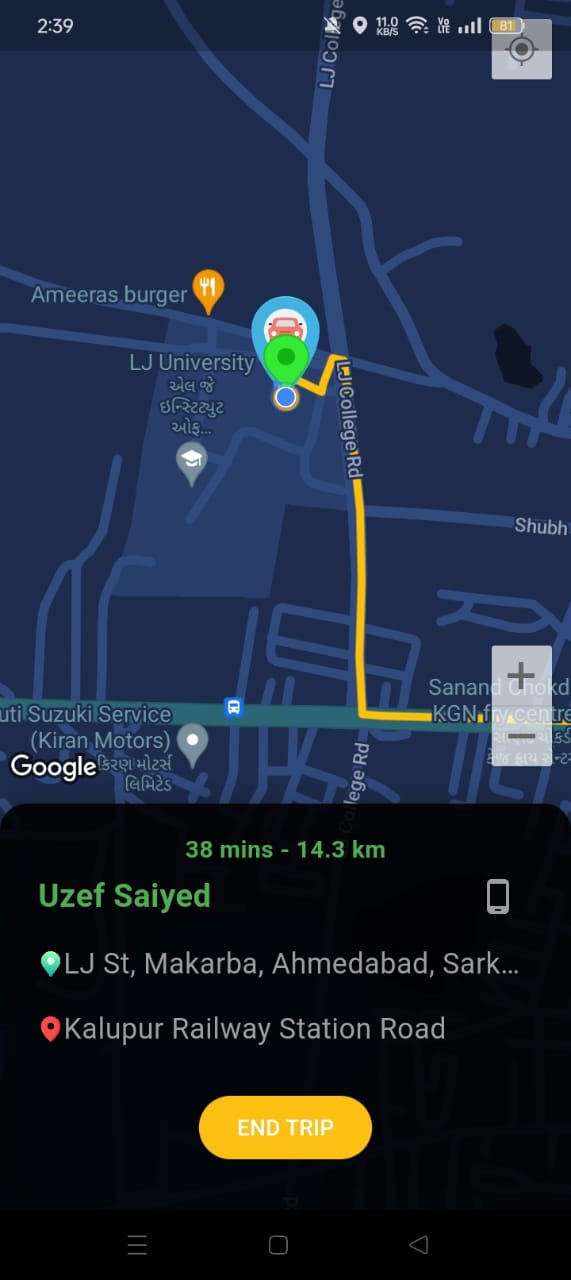
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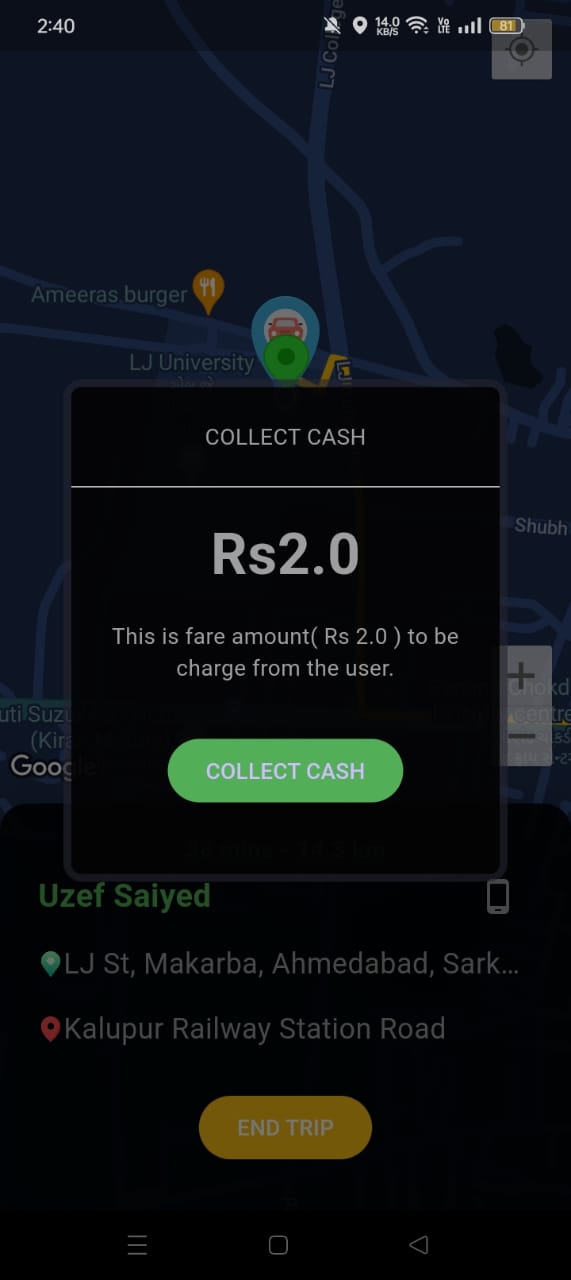
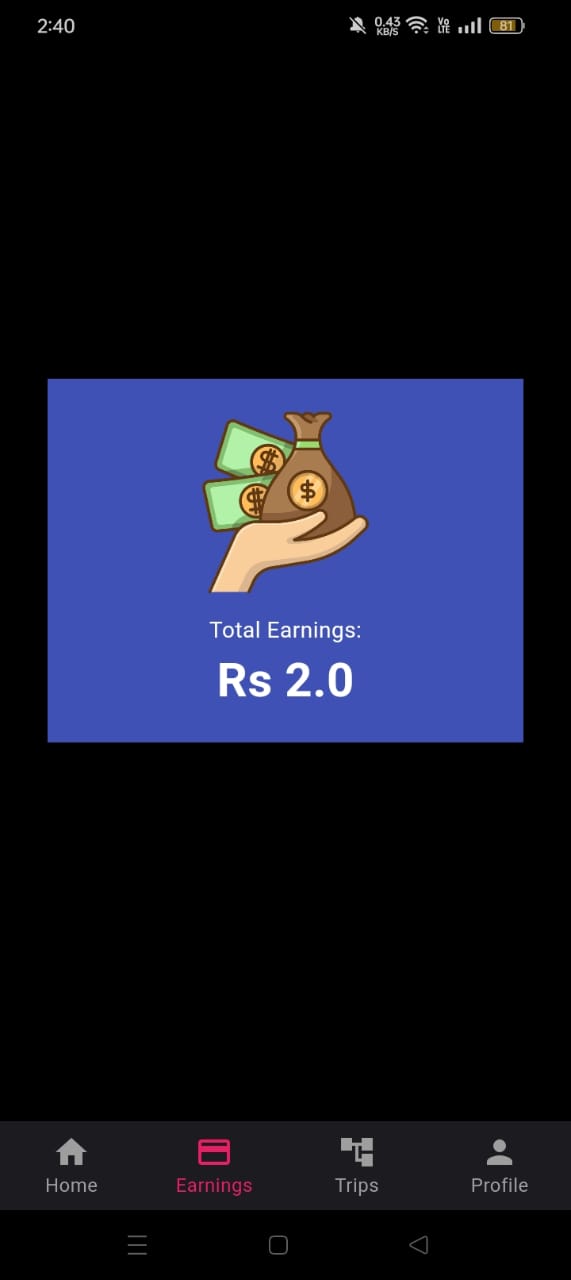
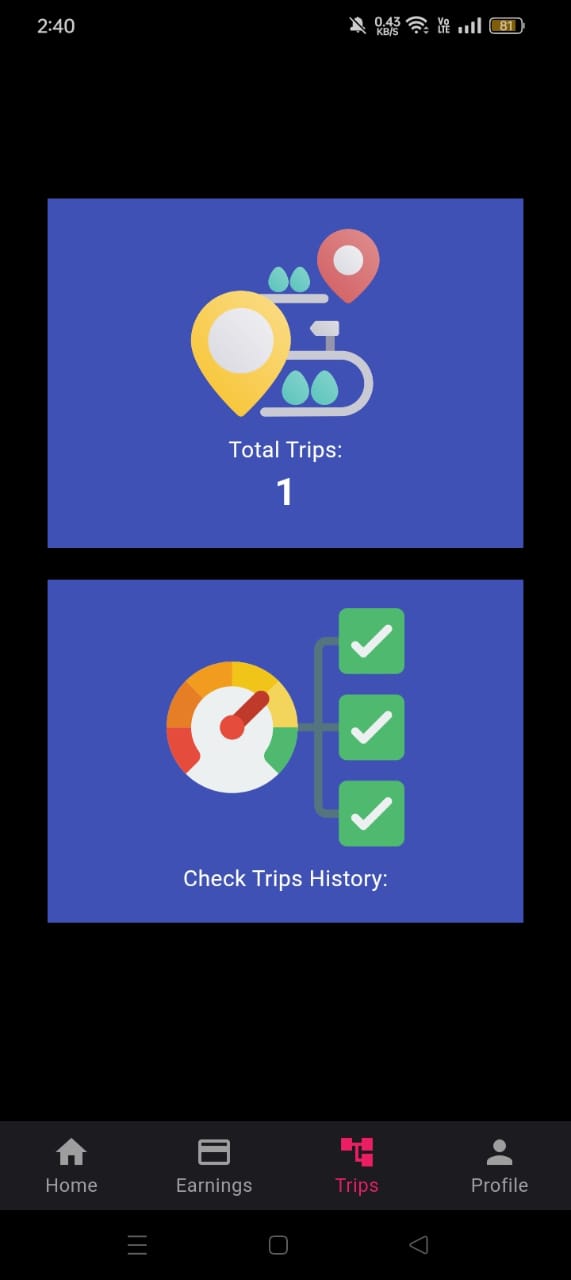
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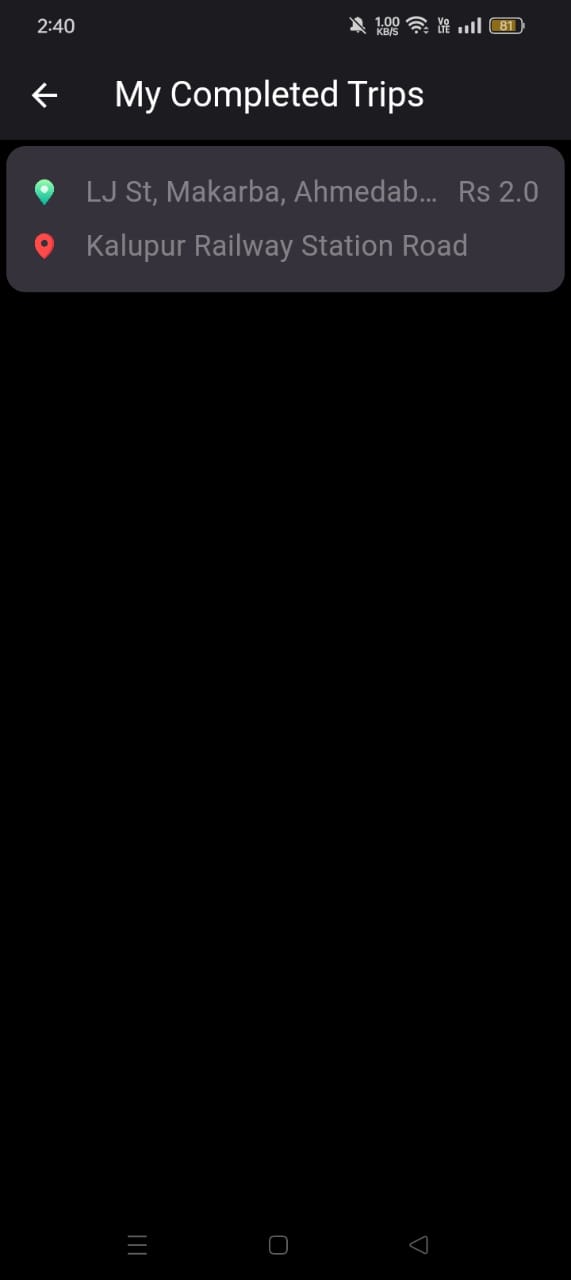
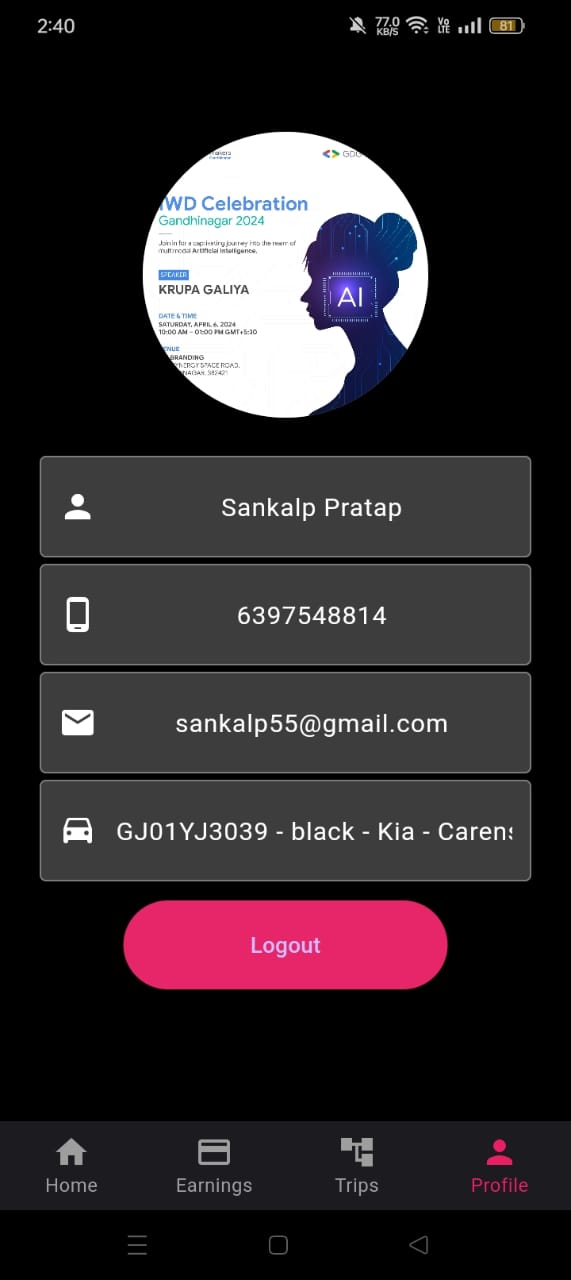
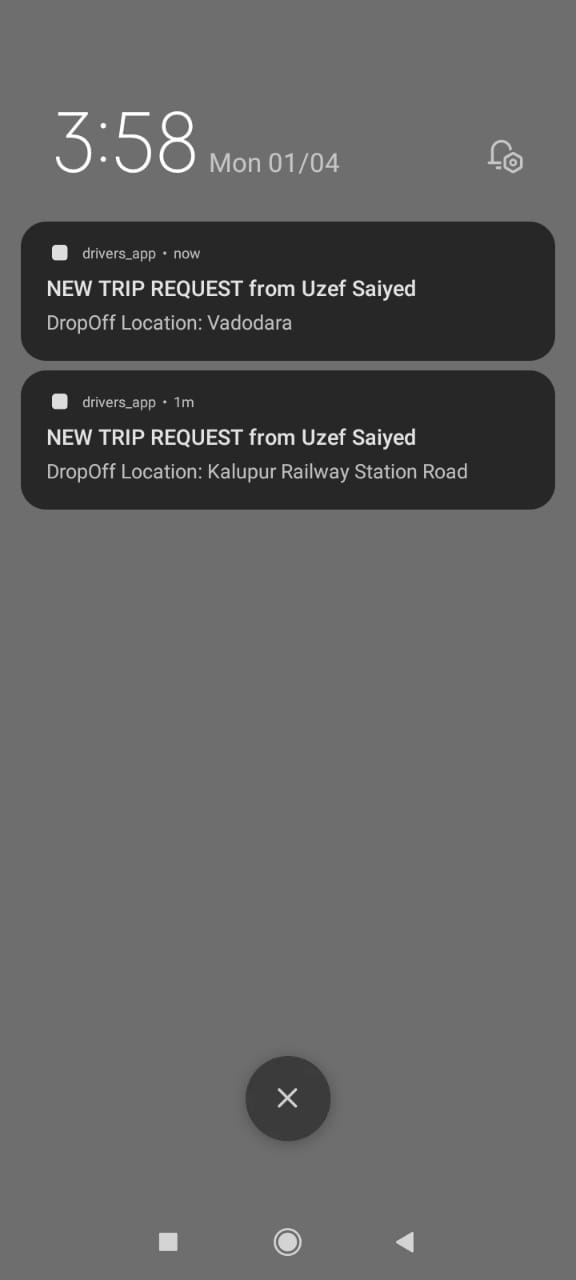
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**Agile Documentation**

# Agile Project Charter:

|  |  |
| --- | --- |
| General Project Information | |
| Project Name | Uber Clone |
| Project Champion | Aman puthawala, Uzef Saiyed |
| Project Sponsor | LJ Institute of Computer Application |
| Project Manager | Prof. Rita Gokani |
| Stakeholders | Admin, Rider, Driver |
| Expected Start Date | 30/12/2023 |
| Expected Completion Date | 16/4/2024 |

|  |  |
| --- | --- |
| Project Details | |
| Mission | We continuously innovate to be the best transportation app for our customers. |
| Vision | To contribute towards the success of our clients, to help them to achieve their goals. |
| Scope | To the particular transportation site’s scope |
| Date | 30/12/2023 |

# Agile Roadmap/Schedule:



# Agile Project Plan:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task Name** | **Duration** | **Start** | **Finish** | **Status** |
| **Sprint#1: Project Structure** | 15d | 30/12/2023 | 13/01/2024 | Completed |
| UI Designing | 11d | 30/12/2023 | 09/01/2024 | Completed |
| Firebase Management | 4d | 10/01/2024 | 13/01/2024 | Completed |
| **Sprint#2: Registration** | 5d | 14/01/2024 | 18/01/2024 | Completed |
| Rider Registration | 3d | 14/01/2024 | 16/01/2024 | Completed |
| Driver Registration | 2d | 17/01/2024 | 18/01/2024 | Completed |
| **Sprint#3: Login and Logout** | 6d | 19/01/2024 | 24/01/2024 | Completed |
| Rider Login | 2d | 19/01/2024 | 20/01/2024 | Completed |
| Driver Login | 2d | 21/01/2024 | 22/01/2024 | Completed |
| Admin Login | 2d | 23/01/2024 | 24/01/2024 | Completed |
| **Sprint#4: Map Approval** | 14d | 25/01/2024 | 07/02/2024 | Completed |
| Map setup | 14d | 25/01/2024 | 07/02/2024 | Completed |
| **Sprint#5: Ride Booking** | 14d | 08/02/2024 | 21/02/2024 | Completed |
| Request for ride | 4d | 08/02/2024 | 11/02/2024 | Completed |
| Notification for Accept or reject ride | 3d | 12/02/2024 | 14/02/2024 | Completed |
| Show driver and rider details | 4d | 15/02/2024 | 18/02/2024 | Completed |
| Start ride & End ride | 3d | 19/02/2024 | 21/02/2024 | Completed |
| **Sprint#6: Payment** | 4d | 22/02/2024 | 25/02/2024 | Completed |
| Amount paid | 2d | 22/02/2024 | 23/02/2024 | Completed |
| Confirm amount | 2d | 24/02/2024 | 25/02/2024 | Completed |
| **Sprint#7: Total Earnings** | 2d | 26/02/2024 | 27/02/2024 | Completed |
| **Sprint#8: Trips Page** | 10d | 28/02/2024 | 08/03/2024 | Completed |
| Total Trips | 3d | 28/02/2024 | 01/03/2024 | Completed |
| Check Trips History (Driver) | 3d | 02/03/2024 | 04/03/2024 | Completed |
| Check Trips History (Rider) | 4d | 05/03/2024 | 08/03/2024 | Completed |
| **Sprint#8: Profile** | 2d | 09/03/2024 | 10/03/2024 | Completed |
| Driver Profile | 2d | 09/03/2024 | 10/03/2024 | Completed |

# Agile User Story:

|  |  |  |  |
| --- | --- | --- | --- |
| **User Story ID** | **As a (type of user)** | **I want to (perform some task)** | **So that I can (achieve some goal)** |
| **1** | Admin | Manage Rider | Block and Un-block Rider |
| **2** | Admin | Manage Driver | Block and Un-block Driver |
| **3** | Admin | Manage Trips | View Trip details |
| **4** | Driver | Ride request | Accept the request or reject request |
| **5** | Driver | Earnings | Check total earnings |
| **6** | Driver / Rider | Trips | Check trips history |
| **7** | Rider | Ride booking | Request for ride booking |
| **8** | Rider | Payment | Payment of the ride |

# Agile Release Plan:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Task Name** | **Duration** | **Start** | **Finish** | **Status** | **Release Date** |
| **Sprint#1: Project Structure** | 15d | 30/12/2023 | 13/01/2024 | Completed | 13/01/2024 |
| UI Designing | 11d | 30/12/2023 | 09/01/2024 | Completed | 09/01/2024 |
| Firebase Management | 4d | 10/01/2024 | 13/01/2024 | Completed | 13/01/2024 |
| **Sprint#2: Registration** | 5d | 14/01/2024 | 18/01/2024 | Completed | 18/01/2024 |
| Rider Registration | 3d | 14/01/2024 | 16/01/2024 | Completed | 16/01/2024 |
| **Sprint#3: Login and Logout** | 2d | 17/01/2024 | 18/01/2024 | Completed | 18/01/2024 |
| Rider Login | 6d | 19/01/2024 | 24/01/2024 | Completed | 24/01/2024 |
| Driver Login | 2d | 19/01/2024 | 20/01/2024 | Completed | 20/01/2024 |
| Admin Login | 2d | 21/01/2024 | 22/01/2024 | Completed | 22/01/2024 |
| **Sprint#4: Map Setup** | 2d | 23/01/2024 | 24/01/2024 | Completed | 24/01/2024 |
| Map setup | 14d | 25/01/2024 | 07/02/2024 | Completed | 07/02/2024 |
| **Sprint#5: Ride Booking** | 14d | 25/01/2024 | 07/02/2024 | Completed | 07/02/2024 |
| Request for ride | 14d | 08/02/2024 | 21/02/2024 | Completed | 21/02/2024 |
| Notification for Accept or reject ride | 4d | 08/02/2024 | 11/02/2024 | Completed | 11/02/2024 |
| Show driver and rider details | 3d | 12/02/2024 | 14/02/2024 | Completed | 14/02/2024 |
| Start ride & End ride | 4d | 15/02/2024 | 18/02/2024 | Completed | 18/02/2024 |
| **Sprint#6: Payment** | 3d | 19/02/2024 | 21/02/2024 | Completed | 21/02/2024 |
| Amount paid | 4d | 22/02/2024 | 25/02/2024 | Completed | 25/02/2024 |
| Confirm amount | 2d | 22/02/2024 | 23/02/2024 | Completed | 23/02/2024 |
| **Sprint#7: Total Earnings** | 2d | 24/02/2024 | 25/02/2024 | Completed | 25/02/2024 |
| **Sprint#8: Trips** | 2d | 26/02/2024 | 27/02/2024 | Completed | 27/02/2024 |
| Total Trips | 10d | 28/02/2024 | 08/03/2024 | Completed | 08/03/2024 |
| Check Trips History (Driver) | 3d | 28/02/2024 | 01/03/2024 | Completed | 01/03/2024 |
| Check Trips History (Rider) | 3d | 02/03/2024 | 04/03/2024 | Completed | 04/03/2024 |
| **Sprint#8: Profile** | 4d | 05/03/2024 | 08/03/2024 | Completed | 08/03/2024 |
| Driver Profile | 2d | 09/03/2024 | 10/03/2024 | Completed | 10/03/2024 |

# Agile Sprint Backlog:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Task Name** | **Story** | **Sprint Ready** | **Priority** | **Status** | **Story Point** |
| **Sprint#1: Project Structure** | Yes | Yes | High | Completed | 3 |
| UI Designing | Yes | Yes | High | Completed | 2 |
| Firebase Management | Yes | Yes | High | Completed | 2 |
| **Sprint#2: Registration** | Yes | Yes | High | Completed | 2 |
| Rider Registration | Yes | Yes | High | Completed | 1 |
| **Sprint#3: Login and Logout** | Yes | Yes | High | Completed | 4 |
| Rider Login | Yes | Yes | High | Completed | 4 |
| Driver Login | Yes | Yes | High | Completed | 4 |
| Admin Login | Yes | Yes | High | Completed | 3 |
| **Sprint#4: Map Setup** | Yes | Yes | High | Completed | 3 |
| Map setup | Yes | Yes | High | Completed | 4 |
| **Sprint#5: Ride Booking** | Yes | Yes | High | Completed | 4 |
| Request for ride | Yes | Yes | High | Completed | 4 |
| Notification for Accept or reject ride | Yes | Yes | High | Completed | 4 |
| Show driver and rider details | Yes | Yes | High | Completed | 4 |
| Start ride & End ride | Yes | Yes | Medium | Completed | 4 |
| **Sprint#6: Payment** | Yes | Yes | High | Completed | 4 |
| Amount paid | Yes | Yes | Medium | Completed | 2 |
| Confirm amount | Yes | Yes | Medium | Completed | 1 |
| **Sprint#7: Total Earnings** | Yes | Yes | Medium | Completed | 1 |
| **Sprint#8: Trips** | Yes | Yes | High | Completed | 4 |
| Total Trips | Yes | Yes | High | Completed | 4 |
| Check Trips History (Driver) | Yes | Yes | High | Completed | 2 |
| Check Trips History (Rider) | Yes | Yes | High | Completed | 2 |
| **Sprint#8: Profile** | Yes | Yes | Medium | Completed | 2 |
| Driver Profile | Yes | Yes | Medium | Completed | 2 |

# Agile Test Plan:

|  |  |
| --- | --- |
| **Test Case ID : 101** | **Test Case Name : Rider & Driver Login** |
| **Designed by : Uzef Saiyed & Aman Puthawala** | **Design Date: - 30/12/2023** |
| **Module Name : Rider & Driver Login** | **Sub Module Name: Login** |
| **Executed by : Uzef Saiyed & Aman Puthawala** | **Execution Date: 12/10/2023** |
| **Brief Description : Rider & Driver Login**  **(with Data : “email : t@g.com & password:1234tfds”)** | **Test Priority (Low/Medium/High): High** |
| **Pre-Conditions: Rider & driver must login**  **with Correct username and password.** | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Step** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Remarks** |
| 1 | **Email:** aman@g.com  **Password:** 12345678 | Successfully login & redirect to  Home Page. | Login Successful. | Pass | Go to  Home page |
| 2 | **Email:** aadil@g.com  **Password:** aad@1234 | Show “Invalid Credentials.” | Login Not Successful | Fail | Need to Show Error  Message. |
| 3 | **Email:** tss@g.com  **Password:** 12345tss | Show “Invalid Credentials.” | Login Not Successful | Fail | Need to Show Error  Message. |
| 4 | **Email:** t@g.com  **Password:** 78965423 | Successfully login in to system &  redirect to home Page. | Login Successful & Redirect to home Page. | Pass | Go to  Home page |

|  |  |
| --- | --- |
| **Test Case ID : 102** | **Test Case Name : Rider & Driver Registration** |
| **Designed by : Uzaif Saiyed & Aman Puthawala** | **Design Date : 28/08/2023** |
| **Module Name : Rider & Driver Registration** | **Sub Module Name : Register** |
| **Executed by : Uzaif Saiyed & Aman Puthawala** | **Execution Date : 12/10/2023** |
| **Brief Description: Rider & Driver Registration page for the new rider & driver. Rider & Driver needs to provide**  **the correct details for Registration.** | **Test Priority (Low/Medium/High) : High** |
| **Pre-conditions : Rider & driver must register**  **with Correct details.** | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Step** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Remar ks** |
| 1 | **First Name:** Piyush **Last Name:** Jain **Email:** [piyush@gmail.com](mailto:piyush@gmail.com) **Password:** 1234 **Confirm Password:**  1234 | Successfully Registered & Redirect to Login Page. | Registered Successfully. | Pass | redirect to login Page. |
| 2 | **First Name:** Piyush **Last Name:** Jain **Email:** [piyush@gmail.com](mailto:piyush@gmail.com) **Password:** 1234 **Confirm Password:**  12345 | Show Error Message as “Password & Confirm  Password must be Equal” | Not Registered & remain in Registration page. | Fail | None |
| 3 | **First Name:** Piyush **Last Name:** Jain **Email:** [piyush@gmail.com](mailto:piyush@gmail.com) **Password:** 1234 **Confirm Password:**  1234 | Show Error Message as “Email  Id Already Exist” | Not Registered & remain in Registration page. | Fail | None |
| 4 | **First Name:** Tushar **Last Name:** Sid **Email:** [tushar@gmail.com](mailto:tushar@gmail.com) **Password:** 4321 **Confirm Password:**  4321 | Successfully Registered & | Successfully Registered & | Pass | None |

|  |  |
| --- | --- |
| **Test Case ID : 103** | **Test Case Name : Ride Booking** |
| **Designed by : Uzef Saiyed** | **Design Date: - 30/12/2023** |
| **Module Name : Ride Booking** | **Sub Module Name: Ride Booking** |
| **Executed by : Uzef Saiyed** | **Execution Date: 12/10/2023** |
| **Brief Description : The rider can request for the ride.** | **Test Priority (Low/Medium/High): High** |
| **Pre-conditions : Ride requests are stored &**  **fetch from the database.** | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Step** | **Test Data** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Remar ks** |
| 1 | **Pickup Location:**  Live location of rider  (Lj University)  **Destination Location:**  Rider dropoff  Location(vejalpur) | Successfully enter the details & Redirect to Ride page. | Request Successfully. | Pass | redirect to Ride. |
| 2 | **Pickup Location:**  Live location of rider  (Lj University)  **Destination Location:**  Rider dropoff  Location(vejalpur) | Show Error Message as “Please enable location”. | Null check operator used on null value | Fail | None |
| 3 | **Pickup Location:**  Live location of rider  (Lj University)  **Destination Location:**  Rider dropoff  Location(vejalpur) | Successfully  Enter the  Details and  Show the route | It gives the  Routes and  Also ride  information. | Pass | Waiting for driver response. |
| 4 | **Pickup Location:**  Live location of rider  (Lj University)  **Destination Location:**  Rider dropoff  Location(vejalpur) | Successfully  enter the details  & Redirect to  Ride page. | When the  driver is  offline and  the actual  result is no  driver  available | Fail | None |

# Earned-Value and Burn Charts:

**Proposed Enhancement**

# Proposed Enhancement:

* If rider waiting time is greater than 15min then auto cut the accepted driver and show the nearest one.
* Localization and Personalization**:** Incorporate localization features a to support multiple languages.
* Multiple options for ride payment.

**Conclusion**

# Conclusion:

* Our Uber clone app represents the next generation of ride-sharing platforms, combining convenience, reliability, and safety in one seamless package. We are confident that our app will not only meet but exceed the expectations of users, driving sustainable growth and success in the dynamic transportation industry.
* With this platform we developed, we are hoping to manage the time wasting in travelling and waiting time, avoid misunderstanding provide easy data flow customer pleasure and less hard work we believe that we have accomplished our goals and satisfied with the code we developed.

**Bibliography**

# Bibliography:

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