



A Mid-Evaluation Document
On
Ride Sharing Application
IT_632 Software Engineering
Project Group No: 08

Submitted By:

MODI DARSHAN (202112070) (Team Leader)

KANERIYA PARTH (202112084)

SUTHAR ABHISHEK (202112047)

PARIKH DHAIRYA (202112104)

BHARTI MALVI (202112081)

SHAIKH AADIL (202112090)

PRANAV PRAJAPATI (202112050)

JYOT MAHESHWARI (202112069)

LOVIN TANWAR (202112102)

DEV JOSHI (202112040)

Guided By:

Professor: Dr. Saurabh Tiwari

Teaching Assistant: Priyanka Mishra

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Scope of Project

The main Scope of this project is to connect all the users of this application via GPS system and this application will provide services to all users in terms of ride offeror/captain or passengers.

- [1] User View: As a user the scope of this project is to provide the sharing of ride to the passengers for travelling in affordable services by providing their destination address.
- [2] Captain View: The users of this application who owns vehicle and wants to share a ride with other users in their closes location for paying a reduced fair while travelling to certain distance.
- [3] Admin: To verify whether the essential documents /details uploaded by the ride provider/captain before starting the journey. Manage the account details of users. Managing travellers request in quick and easy way with shortest time.

Process Model

- Name of the Process Model – Incremental Model
- Why we have chosen this process model:

[1] Requirements are not clear but will evolve as we proceed further in project.

[2] Suitable for Ride Share application

[3] We can design and plan each phase as the requirements get clear.

[4] This model can accommodate changes in time.

[5] If any changes occur at certain phase, we can rebuild as this process model is iterative, we can go back to certain phase.

[6] The basic working requirements are known to us for this project, further we can add our own requirements/module for this application using Iterative model.

[7] This model is suitable for unexperienced team because developers are in learning phase.

Users & Stakeholders

[1] Users:

- Driver/Chauffer – The one who offers the ride.
- Passenger – The one who wants to travel.

[2] Stakeholders:

- Project Mentor
- Project Team Leader
- Project Team
- The one who have registered their account in Ride Sharing Web Application.
- Admin

Functional Requirements

User

- [1] **Register:** Registration is mandatory for all users who wants to use this ride sharing app. this process takes basic details of users like first name, last name, password, email, mobile number et- cetera. In this process minimal data redundancy and validation of each field is must.
- [2] **Login:** After successful registration and verification user can login in app with specific mobile number and password.
- [3] **Profile management:** Users can manage their data with certain update details functionality. For example, user can update profile picture, can change mobile number or email id.
- [4] **Ride history:** It is the functionality which shows all previous rides and details of those rides which were taken by particular user.
- [5] **Forgot password:** if particular user fails to remember his/her password, with this functionality he/she can update his/her password after some verification steps.
- [6] **Search Ride:** The system must allow the user to search ride using different search category.
- [7] **Book Ride:** After successful login, User can book rides from the app. Driver's identification data must be given to passenger i.e., Driver's name and photo should be shown at the time of booking cab. At the time of booking the web application must have the interface for the starting point, destination, type of rides, charge per kilometre, time, etc.

[8] **Cancel Ride:** The system will allow the user to cancel the ride if the user want to.

[9] **Payment:** User will have 2 payment modes through online (UPI, Debit/Credit Card) or by cash mode.

Driver

[1] **Driver Registration:** Registration is mandatory for all drivers who wants to offer ride. this process takes basic details of driver like first name, last name, password, email, mobile number, driving licence related details, R.C book related details et- cetera. In this process minimal data redundancy and validation of each field is must.

[2] **Driver Login:** after successful registration and verification driver can login in app with specific login credentials and can offer ride to other users.

[3] **Driver Profile management:** drivers can manage their data with certain update details functionality. For example, driver can update profile picture, can change mobile number or email id et-cetera.

[4] **Driver's Ride history:** It is the functionality which shows all previous rides and details of those rides which were offered by particular driver.

[5] **Forgot password:** if particular driver fails to remember his/her password, with this functionality he/she can update his/her password after some verification steps.

[6] **Upload Documents:** If a driver wants to offer a ride, it will be necessary for him/her to verify his/her documents. Driver will need to upload Government identification document for verification such as driving license and R.C book, photo etc.

[7] **Offer Ride:** The System allows the verified driver only to offer a ride as a driver.

[8] Accept Ride: Driver can select the passenger, which is nearby, and he/she can accept rides from the app. User's identification data must be given to Driver i.e., User's name and Contact number should be shown. The web application must show the interface for the starting point, destination, charge per kilometre, time, etc to the driver.

[9] Reject Ride: The system shall allow the driver to cancel the ride as per his/her selection.

[10] Payment: Driver can accept payment by 2 different modes through online (UPI, Debit/Credit Card) or by cash mode.

Admin

[1] View information: An admin shall be able to view all the registered users.

[2] Delete user: An admin can remove any user. Admin can remove users who frequently cancel the ride, be it driver or passenger.

[3] Verify documents: The admin can verify the documents uploaded by the driver to check his/her credibility to drive (license/RC Registration). The admin can update, edit or delete driver information from the platform.

Non-Functional Requirements

[1] Usability

- GUI should be simple and easy to use for users. Users should be able to use web application without training.
- User should be able to navigate easily in web application.

[2] Security

- Web application may require users to create accounts to access store information and display profile.
- Password enter by user should be encrypted.
- Only Admin should have an access to change/modify or deletion of data.
- Passwords shall never be viewable at point of entry or at any other time.
- Admin should have verified driver's documents.

[3] Availability

- Web application should operate 24 hours a day.

[4] Localization

- Web application should have features that match geographical location of users including Currencies, Time zone and measurements unit.

[5] Compatibility

- Users should be able to use web application from different devices and different operating systems with all features.

[6] Accessibility

- Web application should be made accessible to everyone. Anyone can access the web application regardless of the location.

[7] Extensibility

- Web application should be flexible enough to allow improvements for the future.
- Web application components can be modified for more changes and features allow the addition of new features without disturbing the main functionalities of the application.

Use-Case Diagram

