

Carpooling Application System / Ride Sharing Application System

Abstract:

Ride-sharing Application System (or Carpooling Application System) is a system that connects drivers and passengers willing to travel together between the cities and share the journey.

Stakeholders / Actors:

- **Ride Owner / Driver:** Ride owner is a person who owns a car and wants to travel from one place to another and publishes his trip on the application in order to find the passengers to share the ride with
- **Passenger:** Passenger is a person who wants to travel or wants to join in the trip the driver has posted. Passenger can travel if he/she agrees to the condition the driver has specified (Price, time and behavior)
- **Admin:** Admin is a person who has complete control over other stake holders.

About Ride Owner / Driver:

- The ride owner or driver must register in the system before publishing his trip.
- The system allows the driver to register his name, address, mobile, mail and personal documents (Driving license and Aadhar)
- The system allows the driver to add his personal behavior and preferences (Eg: aversion to music, smoking not allowed in the car, Chatty when comfortable)
- The system allows the driver to add his trip once the admin has verified his/her profile.
- In order to publish a trip, the system allows the driver to publish his/her trip information like destination, origin, departure time, price and date and traveling preference (bag size, pets allowed).
- Upon creation of trip, the trip will be automatically published on the application. The trip will be available for the passenger to book.
- Reviews and rating for a driver will be displayed based on his/her previous trip reviews

- The system allows the driver to rate the passenger upon completion of the trip.
- The system allows the driver to change his/her details (Password, documents, etc.) once the admin verified his/her profile.
- The system allows the driver to edit or cancel his trip after the ride is published.

About Passenger:

- The passenger must register in the system to find a trip.
- The passenger must provide his name, password, email, phone number, DOB to register in the system.
- On a successful login, the system allows the passenger to search for a trip or find a driver for his/her destination.
- The system allows the passenger to search for destination-origin, departure time-date, price budget and car type.
- The system allows the passenger to specify his/her travelling preferences like front seat, back seater.
- On finding his/her suitable trip, the system allows the passenger to book a ride.
- On successful booking, the system sends notification to the passenger of a booking confirmation and the details of the driver.
- The system also sends notification to the driver of a booking confirmation and the details of the passenger.
- The system allows the passenger to rate the driver upon completion of the trip (Optional for passengers).
- The system allows the password to change his/her details upon the successful registration.
- The system allows the passenger to cancel his trip after the trip is booked.

About Admin:

In the Admin Dashboard, admin has complete control of all the stakeholders (Passenger and Ride owner).

- The admin credentials will be created by default.
- The system allows the admin to verify the profiles of the drivers. If the driver's information is not valid, the system allows the admin to reject the profile.
- The system allows the admin to view all details of the driver, passengers, and trips.

- The system allows the admin to cancel or reject any trip or driver.

Application Journey:

Passenger:

- The passenger enters his credentials to login into the system.
- The passenger searches trips based on various filters - Destination, origin, Price, Car type etc.
- The system provides a list of trips for the passenger to choose.
- If the passenger is satisfied with any trips, he/she can book to confirm the trip.
- The passenger and the driver will be notified about the trip and the details of the stakeholders.
- Happy journey

Driver/ Ride owner:

- The driver needs to enter his / her credentials to login into the system.
- The driver can publish his trip with all the necessary details and preference. (The driver can also publish the trip if the admin has verified his profile)
- If a passenger has booked a trip, the driver will be notified about the details of the passenger.
- Happy journey