**CAR-POOL APP**

Ride sharing is pretty much loved and embraced by the today’s generation. Major reason being, they cut down the fare structures and provides the company while travelling alone plus more or less it saves the fuel consumption as well.

**Objective:**

• Reduce traffic

• Reduce pollution

• Cheap rides

• Side income for the owner of the vehicle

**Features**:

***User Panel:***

**Register**: This can be said as the basic section of an app. User can login with their social networks or the email account credentials.

**Find a ride**: Users can check the rides for reaching to the required destinations. They can find the other users as well, that are willing to take the same routes as well.

**Real time updates:** User receives the real time updates about the other users as well, depending upon the drop off location.

**Location tracking**: This is the basic section of the app. Users can get the location of their co-traveller, drop off location and the routes taken.

**Scheduling:** Users can schedule the rides as well. They can book the rides with the co-travellers and driver, as to avoid any last minute confusions.

**Split Payment:** Depending on the fare calculated and the individual distance travelled, user can split the payments accordingly.

**Get in touch before rides:** Users can communicate with their co-travellers before taking the rides. They can ask about the pickup location and estimated time required for catching the cab and much more.

**Cancel bookings:** Users can cancel the booking owing to some last minute urgencies or due to some issues with the route taken by the co-traveller.

**Tracking:** Both the user and the co-traveller can track the location of the cab so as to identify the respective pick –up locations.

***Driver panel***

**Login:** Under this section, the driver can register into the app with the help of credentials provided by the admin.

**Accept/reject request**: Owing to the location of the co-traveller and destination, the driver can accept or reject the assigned request.

**Real time request**: The drive can be assigned the real time request

**Trip information:** The driver can analyze the trip information such as the drop-off destination; user and co-traveller pick up location along with the estimated distance.

**Built in navigation:** This is the most basic attribute of a ride sharing app. Driver can identify the pickup location of both the user and co-traveller and can find out the most optimized route to be taken.

[**Contact**](https://www.octalsoftware.com/contact-us)**passenger**: Driver can [contact](https://www.octalsoftware.com/contact-us) with the passengers as well. He can ask about some landmark or the exact path for picking up the users within a minimized time.

Receive payments:  Drivers can receive the payments   made by the both the user and the co-traveller so as to balance the fare and the invoice generated.

***Admin Panel***

**Manage dashboard:** All the drivers associated with the app and the rides taken by them on daily basis are managed and monitored by admin.

**Mange car share preferences and car details:** All the riding machines attuned with the app and the ones that are most booked by the users are managed and stored.

View and manage posted rides: All the scheduled rides booked by the user and co-traveller are managed and viewed by the admin.

**Pay to drivers:** As per the number of rides taken, car model used and the total distance covered, admin can pay the respective amount to the driver.

**Manage pick up suggestions:** Under this section, all the pick-up suggestions, co-travellers and their details are listed and managed by the admin.

**Manage car models**: All the associated car models along with their details are managed and stored by the admin.

**Ride and driver reports:** Admin can check and verify the rate and reviews assigned by the users to the drivers.

**Manage e mail templates:** All the promotional email templates and the content details are managed and monitored by the admin.

**Manage rates:** According to the variations in the prices corresponding to the kilometre covered and the fuel, admin can change and set the fare structure.

**Loyalty points and rewards:**  Admin rewards the users with free rides and some coupons upon the successful referral and in case they are attuned with the app from a longer time.

**App monetization:** All the advertisements, banners and app promotional strategies are managed and monitored by the admin.

***Advanced features:***

**Heat Map**: The heat map basically shows the busiest time of one location. It also helps to see the real time driving map of the cars so that the concerned passenger or the co-traveller can make a better decision of choosing the driver more accurately.

**Geo-location Tracking and Routing**:  This application is very much dependent on GPS tracking system in the form of maps. The car is tracked 24/7 and the location is updated in real time. The fare is also calculated as per the distance covered. The map also shows a detailed path of each and calculates the shortest path and suggests the most optimized routes to be taken.

**Real-Time Charts & Dashboards:**  Through this app feature, admin can use the pie charts for visualizing the app usability ratio, number of rides generated, the peak hour when the drivers are occupied, the routes taken for making the business oriented and productive decisions.

**Favourite driver**: If the rider or tourist is comfortable with a particular driver then the concerned passenger can book the same driver again for future rides.

**Free in app calls**: After booking a taxi or car, the passenger can make free calls and can communicate with the drive and co-traveler for identifying the pickup and drop-off locations.

**Multiple trip options:**  Well, the users can be assigned one time or the multiple trips with the rounding trip option. They can be rewarded with the loyalty points or the rewards as well, so as to ensure that trips are being utilized by them for reaching the destinations.

**Notifications**: Users get the alert, once selected for the ride sharing by the other users. They get the corresponding destinations, the time required in picking up, routes shared and about the payment status.

**Surge and flat pricing**:  Under this feature users can check the fixed prices for travelling to the airport, railway station or to the desired bus stands. Furthermore, they can grab the idea about time when the fare charges are low and when they are high. This allows them to book the cab in a more convenient manner.

**Number masking:** This attribute contributes to the safety and security of the users. The passengers can call other users while keeping the phone numbers unrevealed and anonymous.

**Multilingual:** This helps in taking the concept of ride sharing app to a whole new level.  The users and drivers can operate the app their desired language. This is a great way of making your app scalable in a very convenient way.

**Auto price suggestion**: With this attribute, users get the details regarding the different prices for different locations. They can grab an idea about the rate standards for the different car models and according to particular time in a day

By: Paridhi Shah(73)

Harjot Chawla (77)