

Business Logic – Car Lift Application

When user is first time installing the application then user will flow this scenario to avail all the services of the application.

User Application

1. User will first download the application
2. As soon as he opens the app for the very first time, he would jump on the splash screen
3. Right after this, the user will see the introduction screens where he can skip or do next to move ahead.

4. User Registration Screen:

A. Once user skip the introduction screen or click on next-next button, he will jump on the registration/sign up screen where he needs to enter his mobile number to get register on the application by OTP and avail all the services of the application.

B. When user enter his mobile no. then he will redirect to OTP verification screen where he will receive a code on his registered mobile no. Once they do that, they will move to the next screen, where the system will ask them to fill their basic details to complete their profile setup.

C. User will login to the app by mobile no. He will enter his mobile no and get the OTP on his no. when he enters that OTP, he will go to the home screen.

5. Profile Completion Screen:

A. In the profile setup screen, user needs to fill all the asked details

- I. First & Last name,
- II. Email id,
- III. Enter their organization/school's name

6. Add Pickup & Drop up Location Screen:

A. After completing with profile setup details, user will come on select location screen where he will allow his location to track and enter their pick-up & drop-up location and then continue.

7. Create Roster Screen:

A. Then user will come on the "Create/Manage Roster" Screen where they will select a range of dates from the calendar and enter the daily routine time (Pickup time & drop off time) to manage the time table.

8. Select Vendor Screen:

A. Then user land on vendor list screen where he will select the vendor which is available on that route and with the help of search & filter, user can find a suitable vendor for himself.

- I. If they can't able to search or find their vendor in the given list then user can click on the "Didn't find your vendor? Let us help" tab in the bottom of the screen.
 - II. When user click on that tab then a new form or popup will open where he can fill their necessary details of vendor/driver like their first & last name of vendor, mobile no., driver name, etc. and submit to admin. The user will get a pop-up message of request sent which says that "your vendor request has been sent to admin and you will be notified once your vendor get added".
 - III. The admin will check the details provided by the user and if that vendor has not been added then admin will add that vendor in the vendor panel.
9. User will select a vendor and put a request to that vendor by clicking on "Request to Vendor" button.

10. Buy Package Screen:

Now user will come on the screen where he needs to choose the plan for the chosen route (Pickup & Drop up location) and vendor. There are 2 types of packages for user:

- I. **Buy Package:** User will able to see the no. of rides in per package and can choose the package according to that. The user will choose any of the plan and make online payment (**Here payment gateway will apply**) for it then that plan is added in his wallet so he can use the service till the date of that plan.
- II. **Pay Later:** In the pay later option, user will able to pay later for the rides which he using and the amount is getting add in (-) value to his wallet. Whenever he pays for those rides, the amount will be adjusted as per the due amount. When user wants to pay, he will make payment online.

Whenever his plan is going to expire, user will get an alert notification that "Your Pass is going to expire soon. Please Renew it".

11. Home Screen:

A. Once user will get his vendor, he will land on the home screen where he will see his monthly planned roster with the selected range of date, time and pickup/drop up location with stoppage name.

B. The user will see the vehicle details like vehicle name, vehicle number, driver name on the screen under the google map route and can see the location of the vehicle that where the vehicle reached when the ride starts. Whenever the driver going to reach the user location, user will get a notification that "Your driver is nearby to your location. Please reach to the pickup point".

C. User can change his pickup location and drop up location from bottom navigation in 2 ways:

1. The scheduled roster will get cancelled and user needs to create a new roster with new pickup & drop up location with their changeable time.
 2. User can change the location and time for any particular date by edit functionality or delete that ride directly for that day. And driver will get the update notification and he will manage his time accordingly.
12. User can change the vendor also from left menu. In the left menu there will be a tab named as “Change Vendor” where the user will choose a new vendor and the package of that new vendor. The active package/pass will be get cancelled with the user confirmation and user needs to buy the package of that new vendor accordingly. He will get the twice times the confirmation that do you want to change the vendor and do you want to cancel you current plan for this vendor.
13. The user can update his profile like first name, last name, profile pic, email id, address from my profile section.

Vendor Panel

1. Manage Vehicles:

- A. The vendor will able to add vehicle in the vehicle panel where he will give the basic information about the vehicle like:
- III. Vehicle Name
 - IV. Vehicle Image
 - V. Vehicle no.
 - VI. Seat Capacity
 - VII. Routes
 - VIII. Stoppage
 - IX. Time allocation
- B. The vendor can edit or remove the vehicle and vehicle information from the vehicle panel.
- C. The vendor will assign vehicle to the available driver on that time.

2. Manage Driver:

- A. The vendor can add driver in the driver panel where he will add the basic information of the driver like:
- I. First & last name
 - II. Profile Pic
 - III. Email id
 - IV. Address
 - V. Phone No.
 - VI. Gender.
- B. Once driver has been added, vendor will assign a vehicle to him in which he will see the routes, stoppage, pickup time & drop up time, the user list who will come in his vehicle.
- C. Vendor can edit the information of the driver and can remove the driver as well from driver panel.

D. The vendor can assign and reassign the shift to any driver which is available at that time.

3. Manage Routes:

A. In the vehicle panel, the vendor will add the route of that vehicle where vendor will give these following things:

- I. Start time,
- II. End time,
- III. Start point,
- IV. Stoppage,
- V. End point of the vehicle to schedule the roster/plan of the vehicle.

B. Then vendor will check the user request for roster then match these 3 criteria:

- I. Location
- II. Time
- III. Seat Availability.

If user requirement will match with these 3 criteria, then he will assign a vehicle to him.

C. The vendor can change the route of the vehicle.

D. Whenever vendor will define the routes then he will choose the packages which he defines in the package manager. He will pick the packages for particular route.

4. Manage Package:

A. The vendor can also create the package in 2 ways.

- I. **Kilometer Package:** Here user will see the charges based on kilometers he travelled. The vendor will make a bunches of the Kilometers like 3 KM charge will be 300\$ and next 3 KM charge will be more 300\$. So, if a person, travel 4KM then he needs to pay the highest amount that is 600\$.
- II. **No. of Rides:** Here user will see the packages based on the no. of rides. The package will decide based upon rides.

5. Manage Roster:

A. The vendor can see the roster of the user inside the customer panel where he will see the user list and their planned roster (Pickup, drop up time & location).

B. So based on that the vendor will assign the driver to that user which will follow that route at that time.

C. The vendor can change the driver of any roster based on the driver availability.

6. Vendor Setting:

A. In the vendor setting, the vendor will add a charge based on per kilometer for the rides. So that whenever user pay for the ride, he will get the adjust amount of the ride based on the kilometers he travelled.

Driver Application

1. The driver will install the application to the very first time and as soon as he opens the app, he would jump on the splash screen.

2. Driver Registration:

- A. He will sign up in the application with the basic details like
 - I. First name,
 - II. Last name,
 - III. Email id,
 - IV. Phone number
- B. After signup process, the user will jump on the OTP verification screen where user will enter the OTP to verification the phone number.
- C. Driver will login to the app by mobile no. He will enter his mobile no and get the OTP on his no. when he enters that OTP, he will go to the home screen.

3. Profile Completion:

- A. Now, user jump on the profile setup screen where he will complete his profile by filling the other left details like
 - I. Profile pic,
 - II. Gender,
 - III. Address,
 - IV. Upload documents (Identity proof) to verification his identity

4. Home Screen:

- A. After profile completion, user will land on the home screen where he will get a pop message of profile verification "Your Profile is not approved by admin. Please wait until approved your request." And press okay. So, in admin, the same functionality will be perform as explained below. Let's consider cases where driver can work on two types of roles:
 - I. When admin will assign a vendor to the driver then admin will select a vendor from vendor list that which vendor will be assigned to this driver and then this driver will work for that vendor.
 - II. If admin will make that driver as a self-vendor or approve him as a vendor then admin should provide the company name and that driver will become a vendor.
- B. Once driver get approval, on the home screen he will see his today's route with the google map and the pickup time & location & drop up time location with the upcoming routes.
- C. On the home screen, there will be a view button on the top right from where the driver will land on a screen where he will start the ride and see all the stoppage of the routes with the list of all users which is using his transport service.
- D. When driver will start the ride then he will see the stoppage and the users who will be coming and not coming in his transport for that day. Same the user will see that which driver and which vehicle is coming to pick & drop him to the location.
- E. Once driver reach to the final destination, he will end that ride and same like this driver will cover all his rosters.

5. Payment Screen:

- A. After ride finished, those users who have chosen pay later option while booking the services they will pay online to the driver whenever they want. When user pay to driver then driver can check in his wallet and check how much amount is due to pay by user accordingly and same goes to vendor also as he can check the paid amount and due amount of the user.
- 6. The driver can update his profile like first name, last name, profile pic, email id, address.

Challenges (We will Not implement in this MVP Phase 1)

- 1. Vendor switch for driver.
- 2. Bulk Upload Users.
- 3. Live Driver Tracking.
- 4. Instant/Emergency Booking
- 5. If I assigned a vendor and a driver from different cities
- 6. If driver needs to find nearby vendors