**Car Pool**

**Brief:**

The responsive web portal aims to provide listing of all vehicles going from and to campus. The scope of app includes booking of seats in the vehicles on first come first serve basis and viewing the seats booked.

This document describes the various cases of the app. Use Case Diagram:

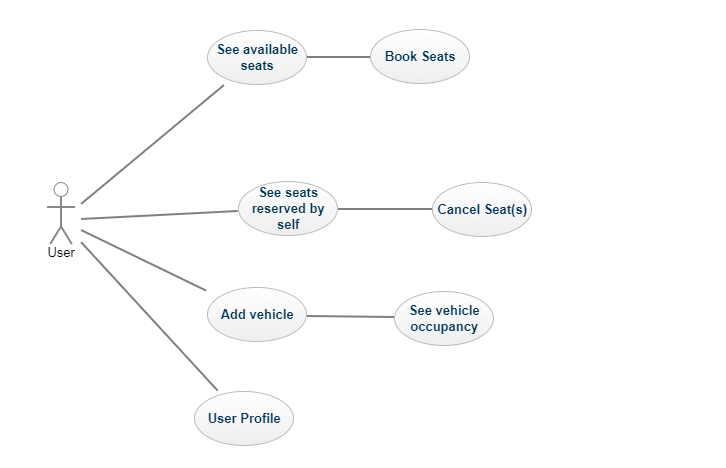


Figure 1.1

**1.** **See Available seats**:

* Login using Ashoka Email ID.
* Enter date and time of departure along with destination.
* See all the available seats in the vehicles departing at that particular time along with vehicle number / name for identification.
* Constraints:
  + Only vehicles with available seats will be displayed.
  + Vehicles which have already departed will not be visible.
  + Users without Ashoka ID won’t be able to log in.

Wireframe: see available seats \_ book seats.png | see available seats.png

**2. Book Seats:**

* Login using Ashoka Email ID.
* Enter date and time of departure along with destination.
* All the vehicles with available seats are listed, choose any vehicle by clicking Book button in front of the vehicle.
* Any number of seats can be booked in a vehicle, no constraints on the number. To allow booking seats for relatives.
* Constraints:
  + User profile needs to be filled for using Adding a new vehicle.

Wireframe: see available seats \_ book seats.png

**3. My Bookings:**

* Login using Ashoka Email ID.
* On the navigation bar, click on My Bookings.
* My Bookings page contains the list of all the bookings made.
* This list contains details like date, time, vehicle and contact details of the person who posted the vehicle for carpool.
* Constraints:
  + The list contains future most booking first, following dates in descending order of vehicle departure time.
  + Only bookings associated with logged in Ashoka ID will be displayed.

Wireframe: see bookings \_ cancel bookings.png

**4. Cancel seats:**

* Login using Ashoka Email ID.
* On the navigation bar, click on My Bookings.
* My Bookings page contains the list of all the bookings made.
* Each vehicle in the list contains Cancel button, clicking which will lead to cancellation of the seat.
* Once the seat is cancelled, the vehicle is again listed as having available seats.
* Constraints:
  + Only the vehicles which have not departed yet allows cancellation.

Wireframe: see bookings \_ cancel bookings.png

**5. Add vehicle:**

* Login using Ashoka Email ID.
* On the navigation bar, click on Add Vehicle.
* Fill in the form details like Departure date, time, and venue along with destination name, vehicle number/name, price for ride and number of passengers the vehicle can take.
* Constraints:
  + All fields in the form are mandatory.
  + Portal only indicated charges and does not facilitate actual transaction of money. All transactions have to be made in person.
  + User profile needs to be filled for using Adding a new vehicle.

Wireframe: add vehicle.png

**6. See Vehicle Occupancy:**

* Login using Ashoka Email ID.
* On the navigation bar, click on My Vehicles.
* My Vehicles page contains list of all vehicles added for carpool corresponding to the logged in Ashoka ID.
* List contain details of all the passenger who have reserved seats along with their details.
* Constraints:
  + Vehicles appear in the descending order of their date of departure.
  + No provision for cancellation as of now.

Wireframe: see my vehicles.png

**7. User Profile:**

* Login using Ashoka Email ID.
* On the navigation bar, click on User Profile to add/change details.
* The profile is mandatory to book seats in vehicles as well as to add vehicle for carpooling. This details will be available to people in who’s vehicle one has reserved seats.

Wireframe: user profile.png

Attached with this document are wireframes along with the HTML coded front page indicative of listing page. HTML page is only an indication and not the final product.