

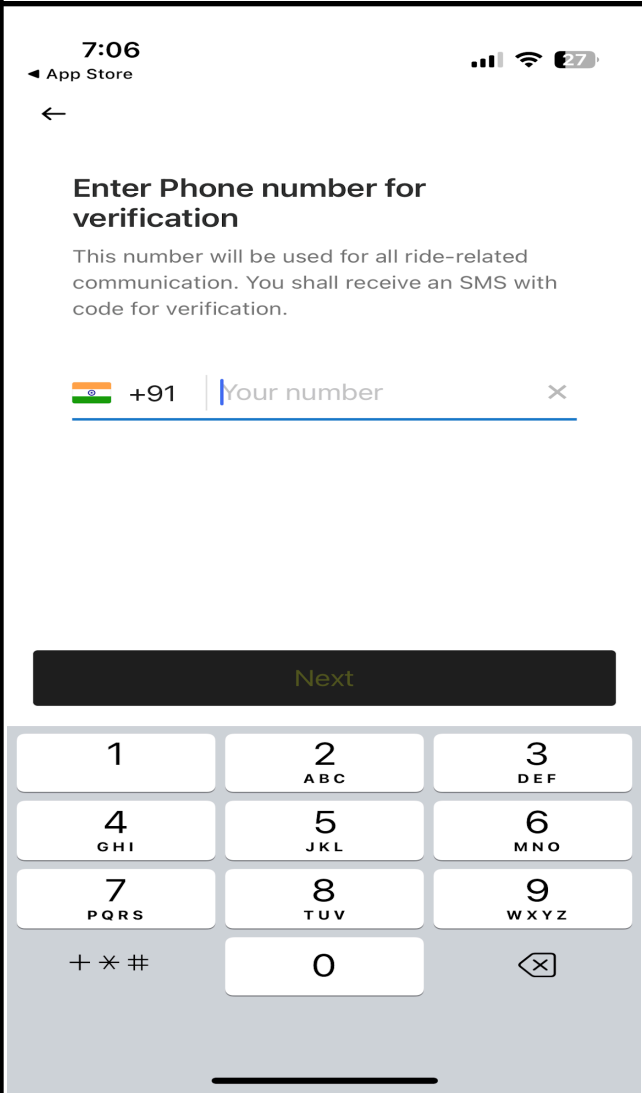
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**Class :** D15A

**Roll NO :** 54

**Aim:** Selecting features for application development, the features should comprise of:

1. Common widgets
2. Should include icons, images, charts etc.
3. Should have an interactive Form
4. Should apply navigation, routing and gestures
5. Should connect with FireBase database

Screenshot	Features
	<p><b>Login Page :</b></p> <ol style="list-style-type: none"><li>1. User's Login/registration details which include name ,mobile no.,email-id and other details.</li><li>2. User creates an account and navigates to the homepage.</li><li>3. Users from firebase storage.</li><li>4. Firebase connection with registration and login data being saved in firebase</li></ol>

7:08

←
Destination

Myself

B-3/8, Atmashanti Society, Sector 3, Vashi, Na...

Enter destination

Popular Places

Chhatrapati Shivaji Maharaj International Airpor...  
Vile Parle, Mumbai, Maharashtra, 400099, India

Chhatrapati Shivaji Maharaj International Airpor...  
Terminal 2, Navpada, Vile Parle East, Vile Parle,...

Chhatrapati Shivaji Maharaj International Airpor...  
T1, Navpada, Chhatrapati Shivaji International A...

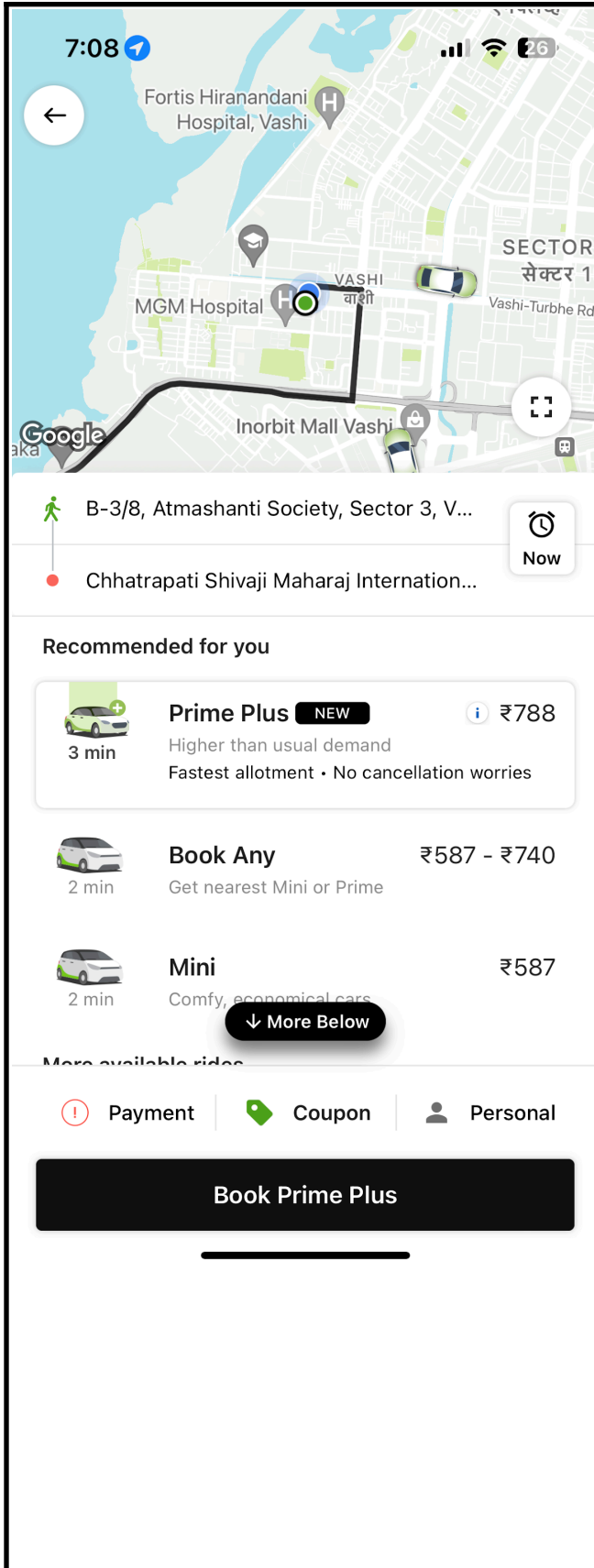
Bandra Terminus Railway Station  
Bandra Terminus, Naupada, Bandra East, Mum...

Locate on map

QWERTYUIOP
ASDFGHJKL
↑ZXCVBNM⌫
123spacereturn

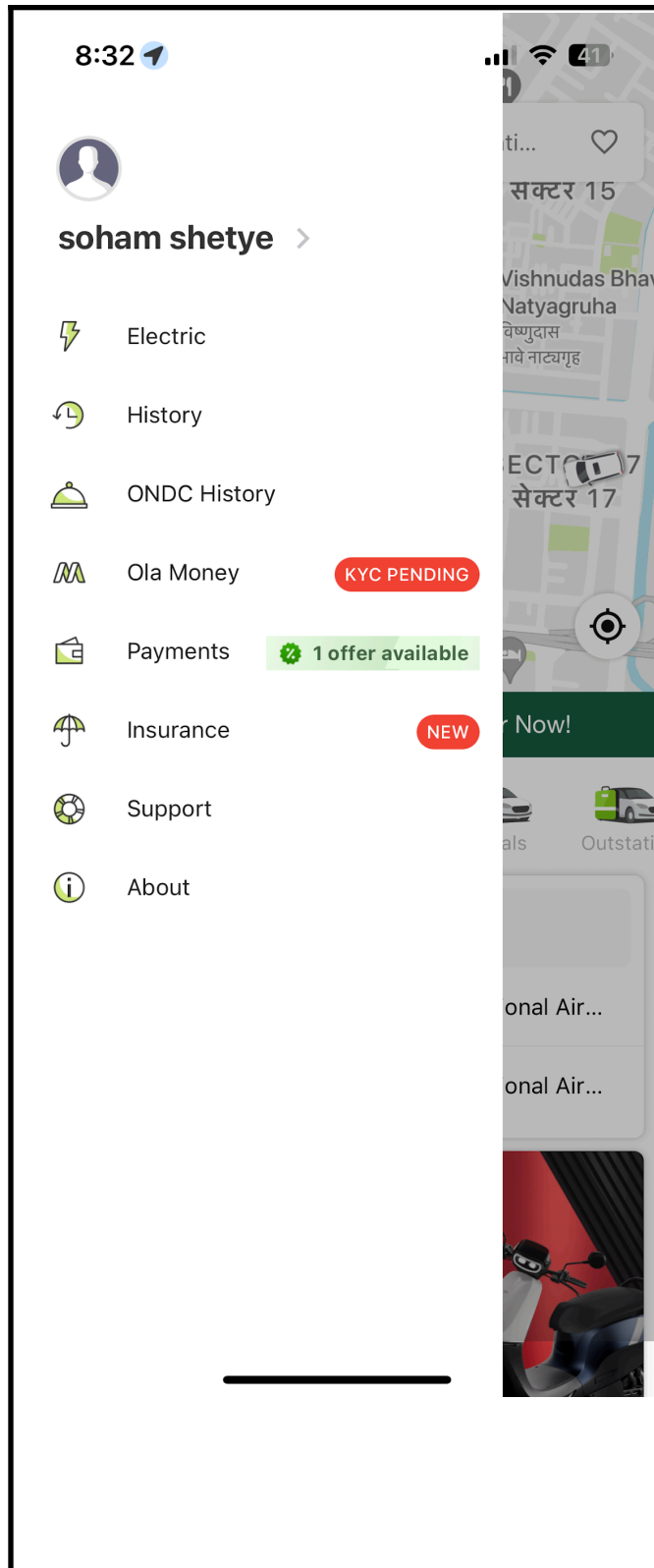
## Pickup spot and destination :

1. Enter the pickup spot
2. Enter the destination
3. Recommended searches from firebase
4. Search button.
5. Widgets :
  - **Scaffold**: Defines the app's basic structure, including the app bar and body.
  - **SingleChildScrollView**: Enables scrolling for the main content.
  - **Padding**: Adds padding around child widgets for spacing.
  - **Form & GlobalKey<FormState>**: Manages form validation and submission.
  - **Column**: Arranges child widgets vertically.
  - **Text**: Displays text for headings.
  - **SizedBox**: Creates boxes for vertical spacing.
  - **TextFormField**: Accepts single-line text input with validation.
  - **ElevatedButton**: Material design button for form submission.
  - **ListView.builder**: Creates a scrollable list for recommended places.
  - **SnackBar**: Displays a pop-up message for form validation.



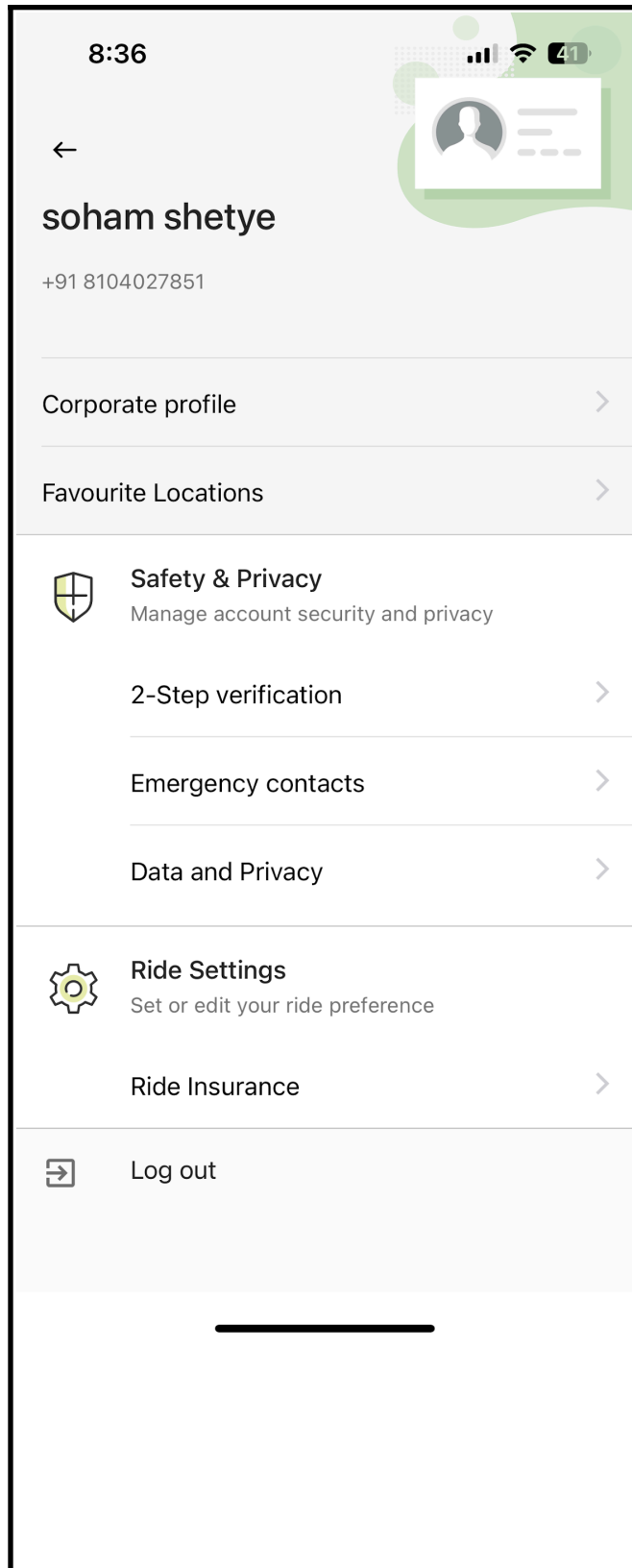
## Booking a ride :

- Request ride option
- Rides from firebase
- Payment Option
- Widgets:
  - **Scaffold**: The outermost widget that provides basic structure for the app.
  - **AppBar**: Displays the title "Taxi Drivers" at the top of the page.
  - **Column**: Organizes child widgets vertically.
  - **Container**: Contains the image of the first driver's car as a header.
  - **Expanded**: Takes the remaining space in the Column, ensuring that the ListView takes the available space.
  - **ListView.builder**: Dynamically creates a scrollable list based on the length of the `taxiDrivers` list.
  - **ListTile**: Represents each taxi driver's information in a single list entry.
  - **Text**: Displays the driver's name.
  - **Column**: Organizes the taxi name and rate vertically.
  - **CircleAvatar**: Displays a circular avatar with the image of the driver's car.
  - **TaxiDriver Class**: Defines a simple data class to represent a taxi driver's information.



## Toggle menu :

1. Name of user
  2. Services and settings
- **Drawer:** The outermost widget representing the drawer.
  - **ListView:** Organizes the drawer items in a scrollable list.
  - **DrawerHeader:** Represents the header section of the drawer, typically used for the app name and slogan.
  - **Column:** Organizes child widgets vertically within the `DrawerHeader`.
  - **Text:** Displays the app name and slogan.
  - **SizeBox:** Adds space between the app name and slogan.
  - **ListTile:** Represents each item in the drawer.
  - **Icon:** Displays an icon next to the drawer item.
  - **TextStyle:** Defines the font size of the text.
  - **VoidCallback:** A function that takes no arguments and returns no value, used for `onTap` to define the action when a drawer item is tapped.
  - **buildDrawerItem method:** A helper method to create consistent `ListTile` widgets for each drawer item, reducing code duplication.



## Account detail :

1. Account details
  2. Safety and privacy
  3. Log Out
- **Scaffold:** The outermost widget representing the screen scaffold.
  - **AppBar:** The top app bar displaying the title 'My Account'.
  - **Padding:** Adds padding around the content of the page.
  - **Column:** Organizes child widgets vertically.
  - **CircleAvatar:** Displays the user's profile photo as a circular avatar.
  - **SizedBox:** Adds vertical space between widgets.
  - **Text:** Displays the user's name, phone number, and email.
  - **TextStyle:** Defines the font size and weight of the text.
  - **ListTile:** Represents each option in the user account settings.
  - **Spacer:** Fills the remaining vertical space, pushing the logout button to the bottom.
  - **ElevatedButton:** Represents the logout button.
  - **User class:** A custom class representing user data.

