A Car Club

A Car Club App Overview

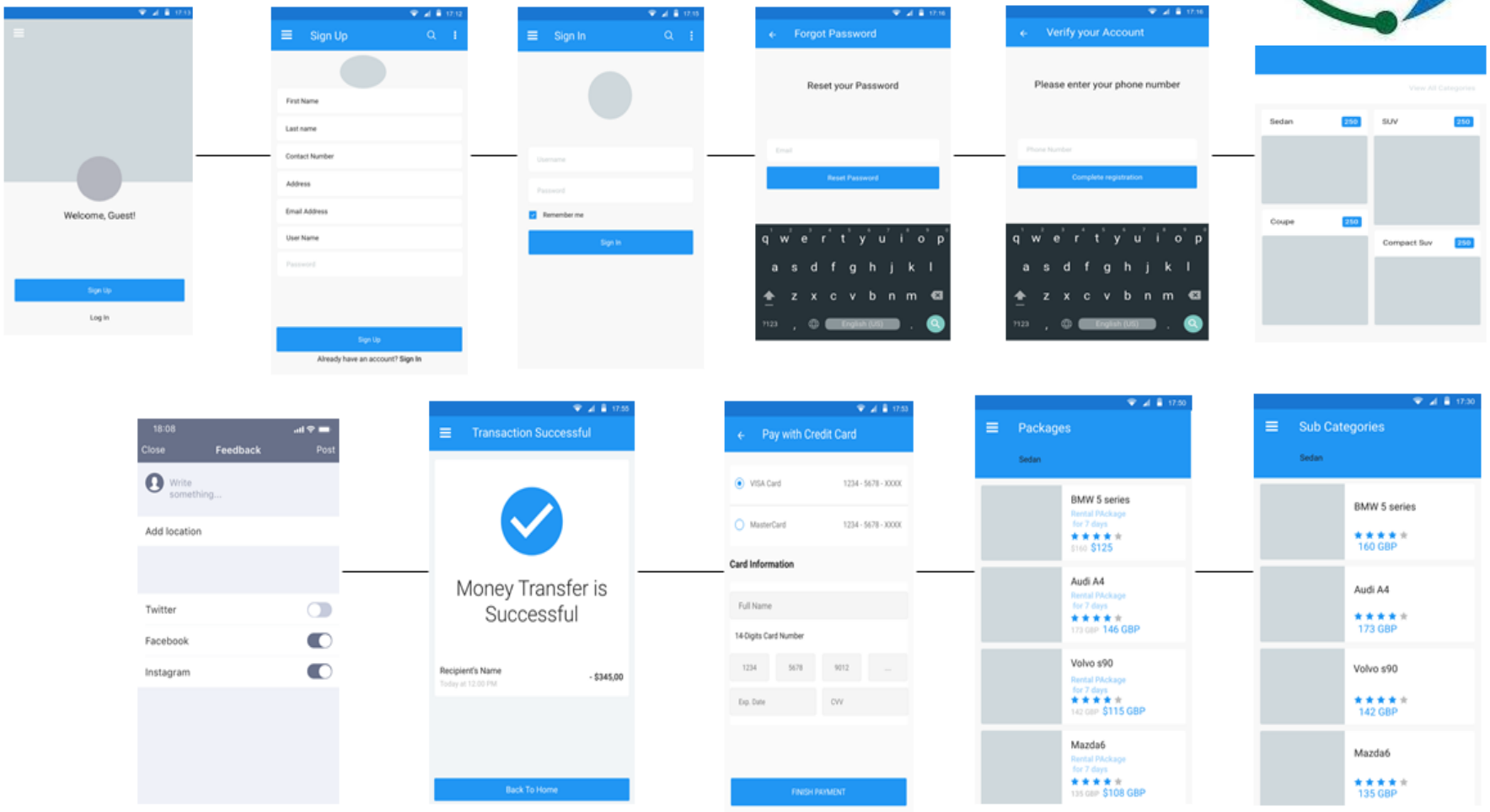
- Our car club provide user to rent cars.
- It is an cross-platform mobile application through which customers can view available cars , do registration , view profile and book cars.
- There will be some packages provided which user can choose for themselves.
- Customer can share their experience through social media and while using application the location service will be used.

A Car Club – Mobile Features/Frameworks

- Frameworks/Features:-
  - Web Services :- User can view category, subcategory, packages, car rental details, booking status, contact details.
  - Data Persistence :- User can save their payment or booking details for their future reference.
- Possible Additional Frameworks/Features:-
  - Social Media: The App will allow users to Tweet or post their feedback to Facebook and Instagram.
  - Location Service: The app will allow users to add their location while posting their feedback.

- Use Case Diagram :-

UI Design – Flow diagram



UI Design – Description

The home screen is the starting stage of the app where users will be able to ch they need to sign in to their existing account or they have to create a new account.

In the next stage if user doesn't have account there is a registration screen where they have to fill up their personal detail to sign up or there is sign in screen where user have to provide their login details to sign in their account. There is a forgot password screen available if user forgets the password they can revive it from through their email.

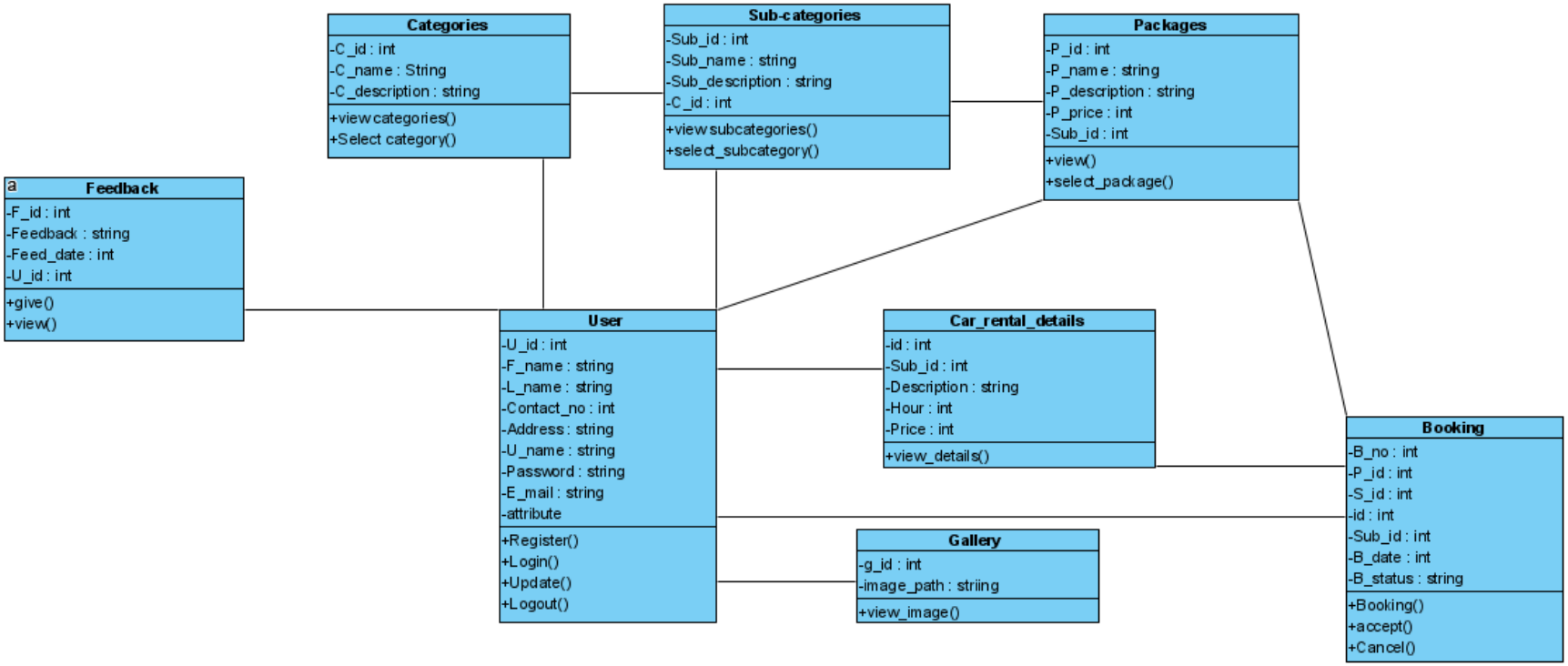
After login is done users will be directed to categories screen where they can choose among the categories(Such as SUV, Sedan or Compact Suv). After selecting their category they can choose the sub-categories that is available choices of the cars(i.e BMW 5 series, Audi A4 etc..).

Users will also be given some choices for the packages that can give them some reduction to the rent.

Selecting their appropriate choice they can proceed to book their car by adding a payment method i.e their card details. After successfully adding a payment method they can pay and successfully book their ride.

At last there is a feedback screen where they can post their experience to their social media (twitter, facebook or instagram) along with their location.

[2] Class Diagram:-



On Device Data Persistence

Using Redux will save and manage categories , sub-categories and packages.

Using AsyncStorage will save user's choices

To save AsyncStorage.setitem();

To read AsyncStorage.getitem();

Off-Device Data Persistence

Will use Car Registration Api to get the model and make of the cars.

Additional Framewok / Features

- React Native GeoLocation framework will be used to get the users current location while posting a feedback.

- Will use react-native-twitter-signin to logging into the twitter account of the user to give feedback.

- Will use react-native-fbsdk to logging into the users facebook account and will also use react-native-instagram-login to logging into the users Instagram account to give feedback.

Conclusion and Perceived Challenges

- To get the car model and make of the car from services is a bit tricky – for local persistence / caching.
- Through automatic authentication to Twitter , Facebook and Instagram user will be able to have a easy way to express their experience.

Thank You....