

TravelXplorer - Android Individual App

Problem Statement:

To develop an Android individual app to solve a user pain point. Demonstrate various Android mobile application development concepts taught in class.

Project Overview:

TravelXplorer is an android app that allows the users to plan their trips during vacation. Based on the user city input, it lists all the tourist places in that city with considering ratings of the user who previously visited it. This app was built to help the app users to plan their vacation to a city. This app serves as a complete tourist guide.

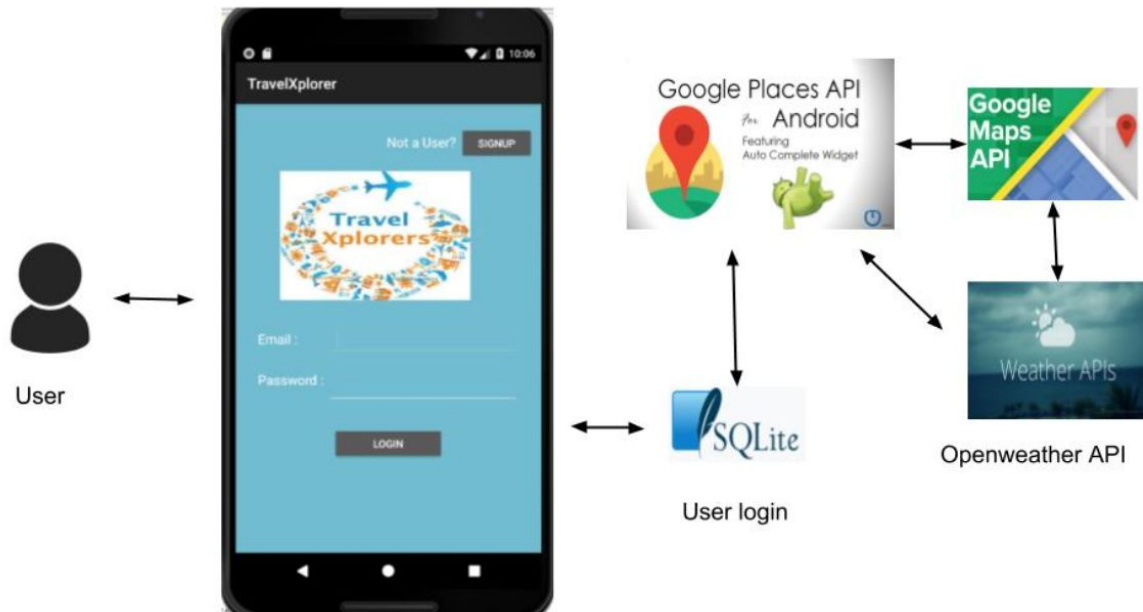
Users are provided with a login screen where they can login with username and password. New user can use the SignUp screen which is the first step to use the app. Once signed in valid users can login to the app.

On the home page, user can provide the city name to visit either as text input or voice input. Based on the city, the app provides the list of tourist places in that city. To get more info on a particular tourist spot the user can click on the item. It takes the user to detail page view of the place where user will be given more information on that spot including address, location, ratings, open time and weather conditions.

User can also share the interesting spot with others, which helps the user to share location with family and friends while planning the vacation.

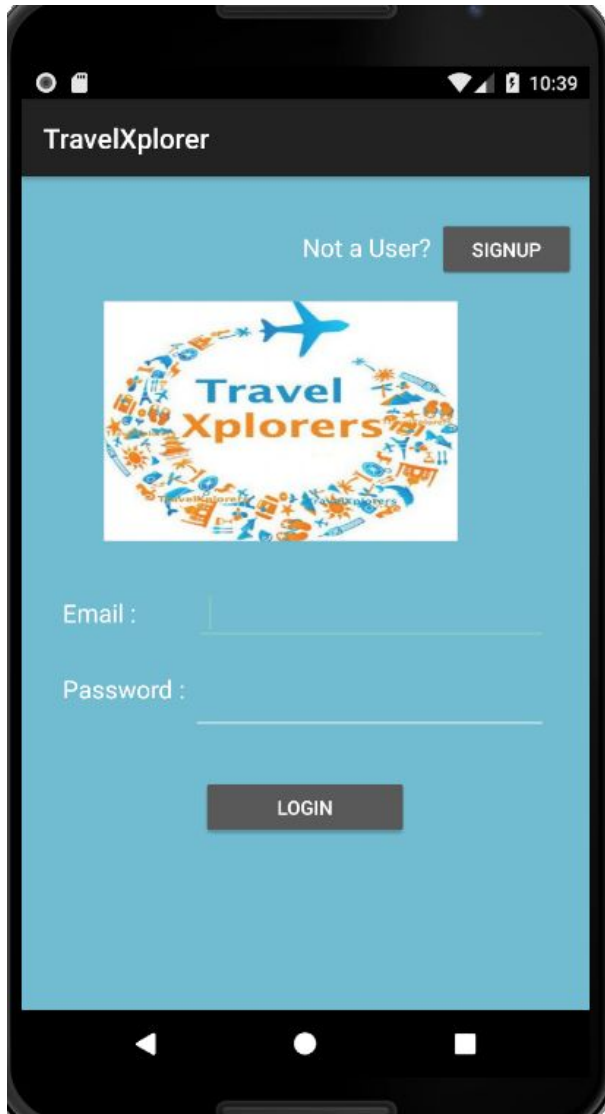
The app uses the Google places API to get the tourist information. This app uses most of the Google places API to ease the user while planning vacation. App also uses Open weather APIs to fetch weather conditions based on latitude and longitude. All the API fetch calls are designed as separate AsyncTask. Various Android concepts like SQLite DB, AsyncTask, Activity lifecycle management etc are included with the project.

Architecture:

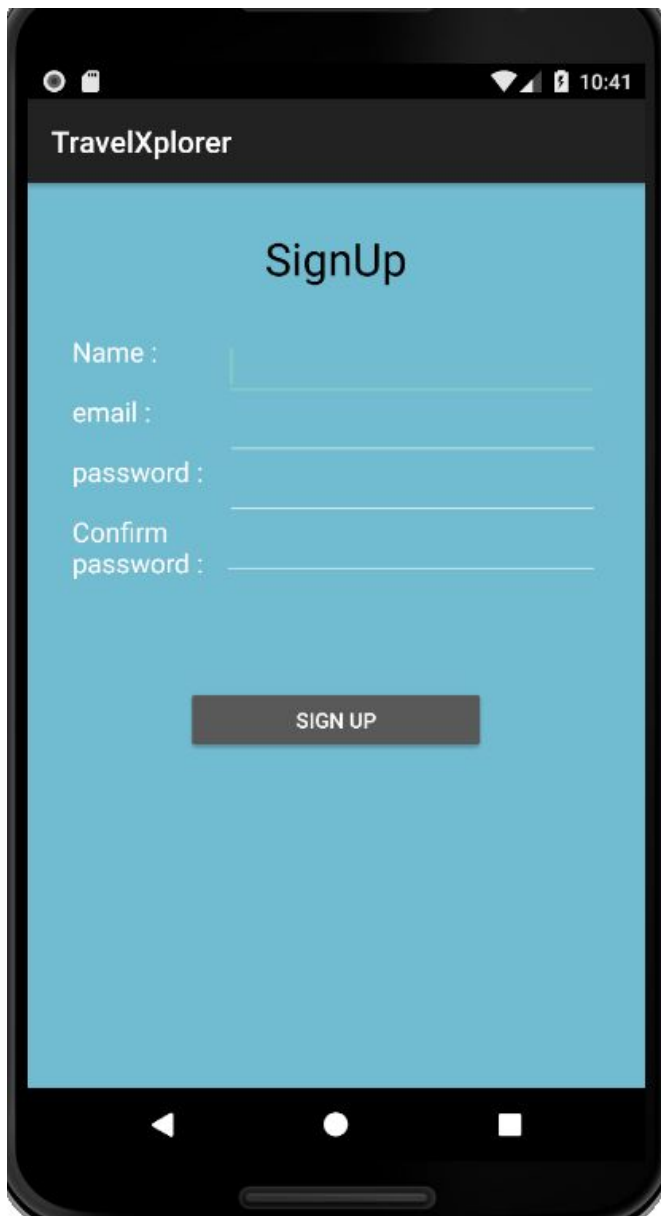


App flow/Screenshots:

1. Initially once the user opens the app,below login page appears.



2. New user can signup using the signup button.



The screenshot shows a mobile application interface for 'TravelXplorer'. The app is running on an Android device, as indicated by the navigation bar at the bottom. The status bar at the top shows the time as 10:41 and various system icons. The app's title 'TravelXplorer' is displayed in the top header. The main screen has a light blue background and is titled 'SignUp'. It contains four input fields for user registration: 'Name', 'email', 'password', and 'Confirm password'. Each field is represented by a text label followed by a horizontal input line. A dark grey button with the text 'SIGN UP' is positioned below the input fields. The bottom of the screen features the standard Android navigation bar with back, home, and recent apps buttons.

TravelXplorer

SignUp

Name :

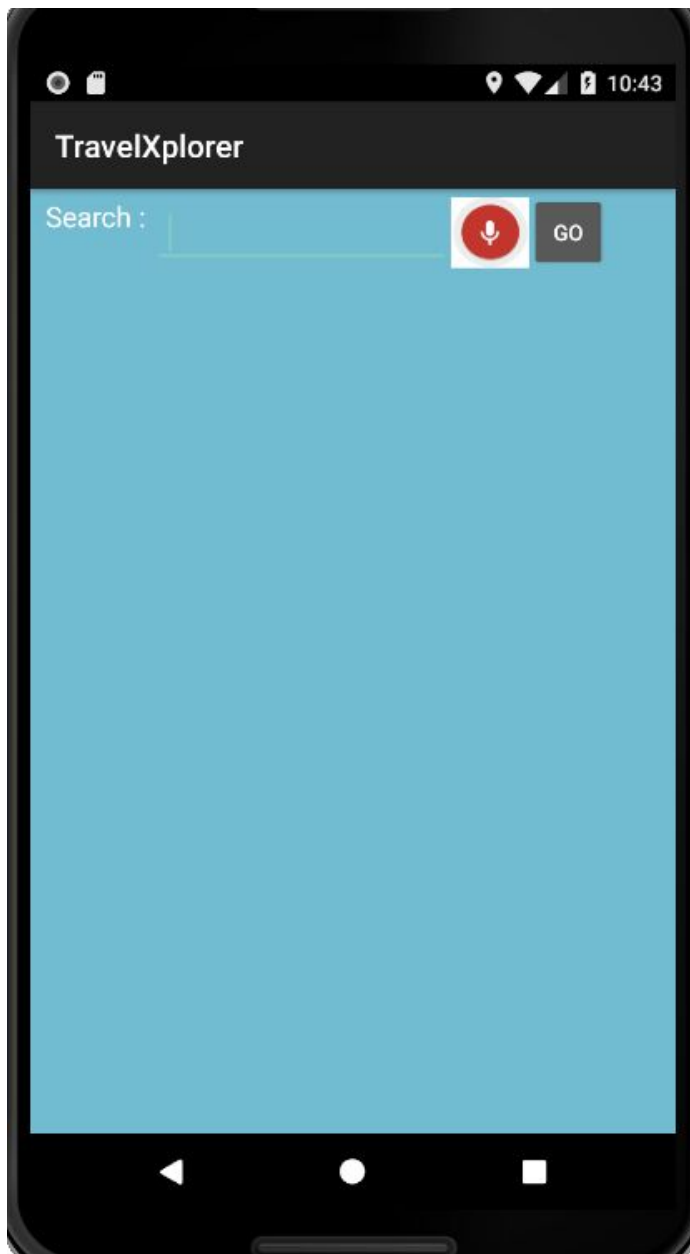
email :

password :

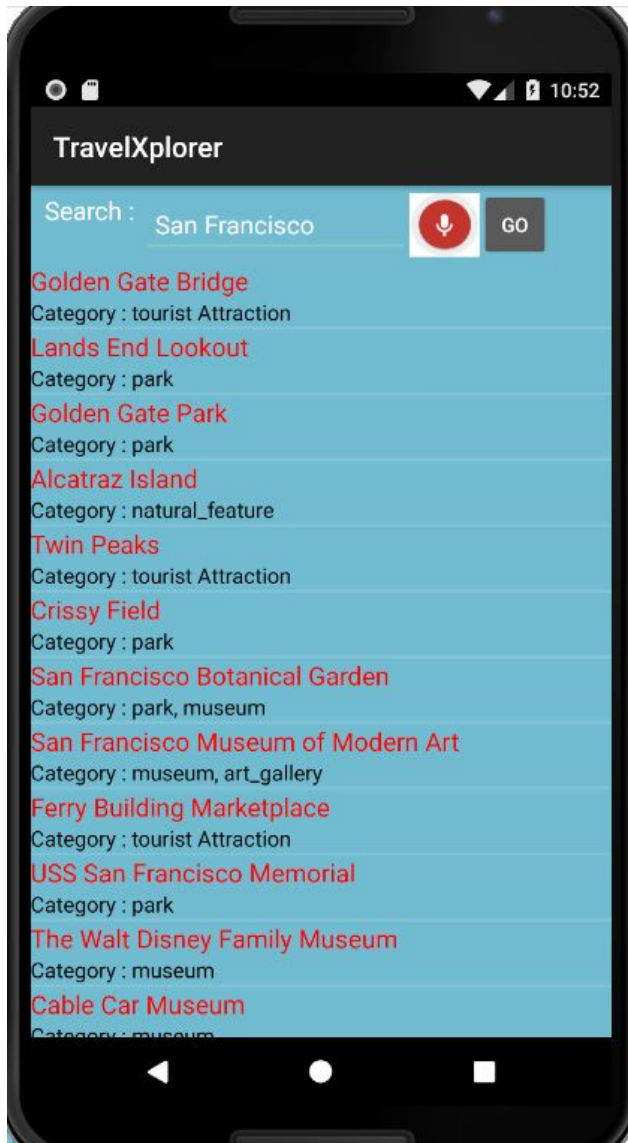
Confirm password :

SIGN UP

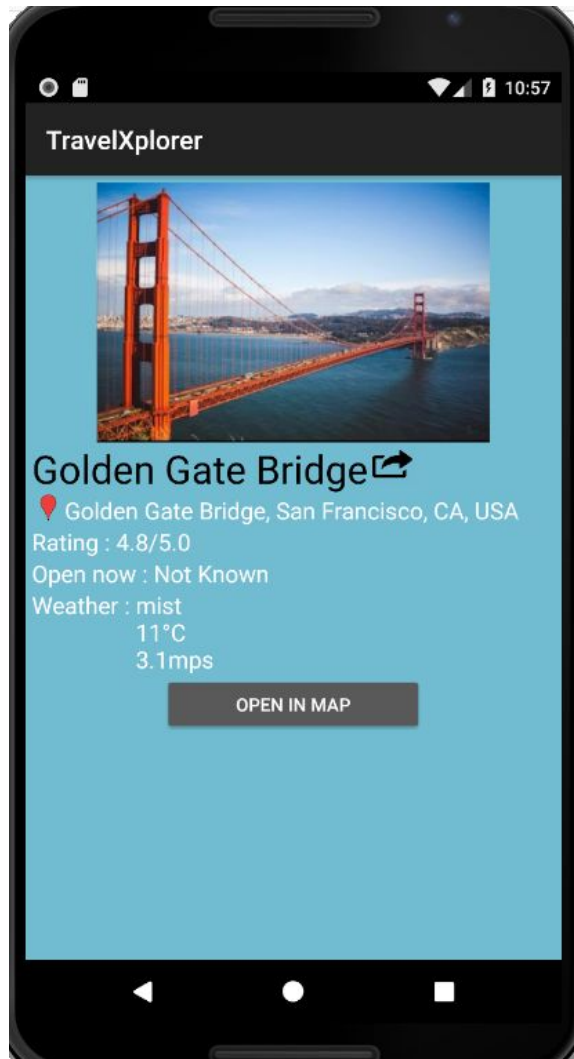
3. Once the user successfully logs in, below home page appears.



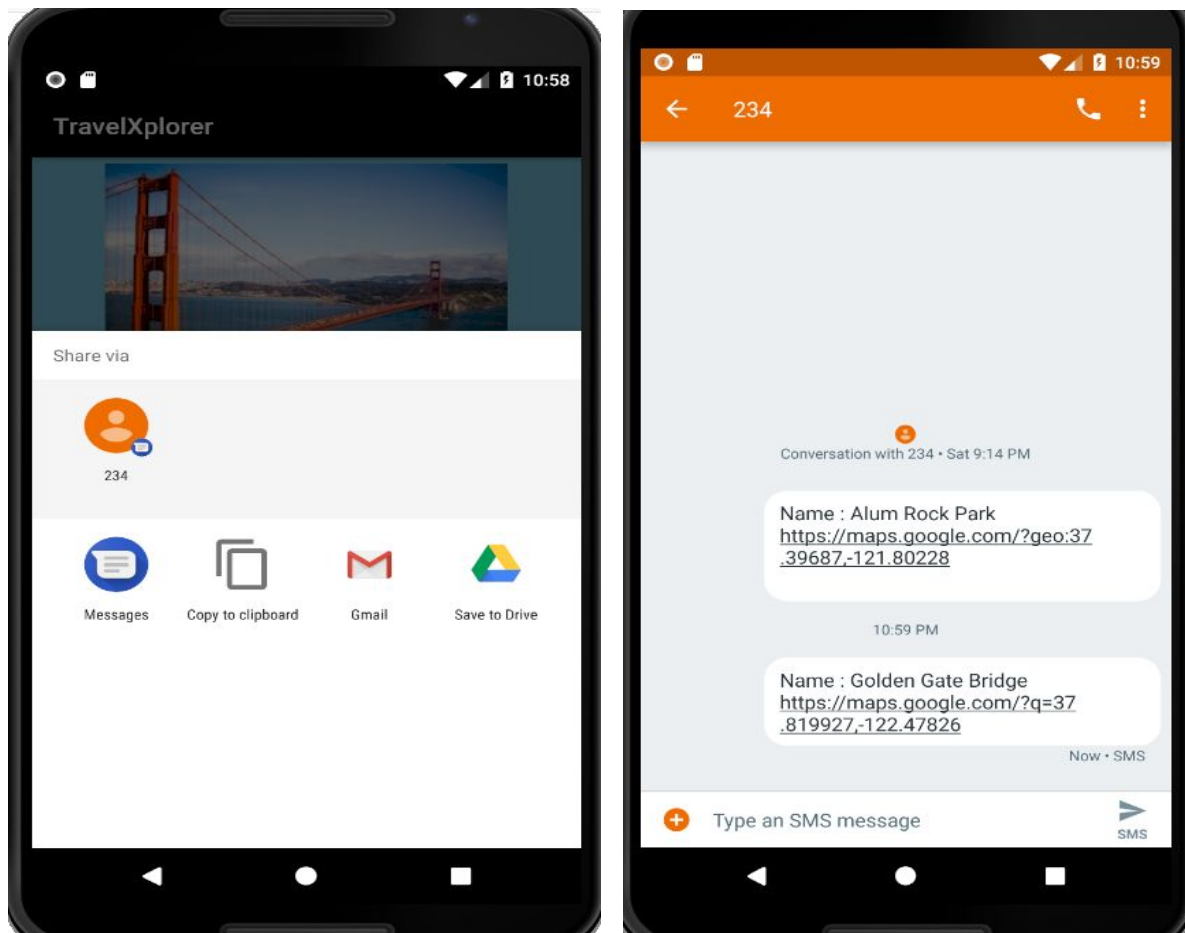
4. Based on the user interest, a city name can be entered in the search edit. On press of “Go”. App provides with lists of top 20 tourist places in the city the user specified. If the user input is “San Francisco”, this is how the homepage appears.
5. User can use the voice recogniser button to use speech recognition, instead of entering the city manually.



6. To get more information on a particular tourist place, user can select from the list displayed for the user. More information provides detail information about the spot including weather conditions.



7. User can share the interested tourist spot using the share button. This will be helpful while planning the vacation with family and friends.



8. On press of “Open in map” button, it opens the google map location of the tourist spot selected.

