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GitHub Username: jitinsharma

Insplore

Description

Insplore (Inspire and Explore) is a travel inspiration app. The app inspires users to go out whether it is locally or globally. User can find top destinations from their current location and find places of interest in a given city.

Intended User

General public, Travellers

Features

- Integrate maps for current location of a user.
- Allows user to do an inspiration search from their city.
- Allows user to find top destinations from their city where people are travelling to.
- For a given city user can find out places of interest and save them locally.
- User can allow check weather in their current location and location they intend to travel to.
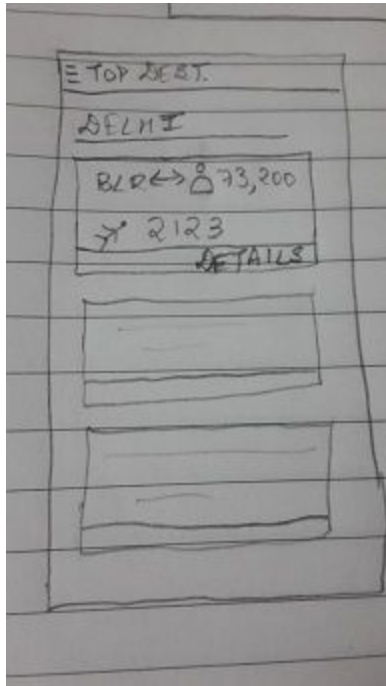
User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.
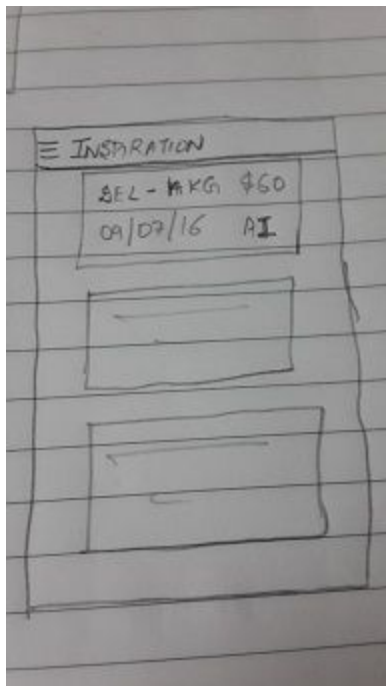
Screen 1

The landing screen will display lite version of map with pin on user's location. User can also view weather of his city. The explore card will allow user to check top destination and do a flight inspiration search from his city.

Screen 2

Top destination screens gives list of top destination from a current city. User can get details about a city.

Screen 3

This shows an inspiration search giving search results based on an API. Inspiration search does not require a time-period or a destination.

Screen 4

This is the screen for destination city details. It gives details about weather and places of interest in the city. Places of interest can be saved locally.

The app may deep link Google maps app in some screens. I am yet to figure that out.

Key Considerations

How will your app handle data persistence?

Places of interest can be stored locally in SQLite. A content provider will be used as a wrapper around it and loaders will be used while displaying these places in UI.

Describe any corner cases in the UX.

Since single screen may hit more than one API, UI rendering must be done accordingly so that data is shown when available.

Describe any libraries you'll be using and share your reasoning for including them.

- Glide for loading of images.
- Butter Knife for binding views.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup
- Configuring APIs
- Since app deals with flights, airport list may be required as strings for faster access.

Task 2: Implement UI for Each Activity and Fragment

- Implement home page with Google maps as fragment inside cardview.
- Using recyclerview for inspiration search and top destination search screen.
- Animating various transitions.

Task 3: Analytics and Error handling

- Integrate firebase analytics to track user's actions.
- Handling error cases when API does not return data.

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