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Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
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GitHub Username: winpraneeth

TravelMate

Description

Write a brief summary of what your app does. What problem does your app solve?
TravelMate allows the user to plan a trip, where they can login in to the app and view hotels,restaurants,things to do, and weather forecast for the selected region.

Intended User

For any traveller

Features

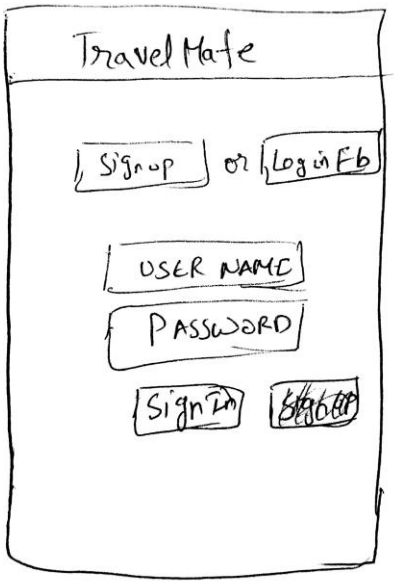
List the main features of your app. For example:

- Find Hotels.
- Explore restaurants by food type, price range and rating.
- Discover things to do in any destinaton.
- Check weather forecast for particular day.
- Allows user to plan their itenary between the selected dates and save the information, which they can either print or share.

User Interface Mocks

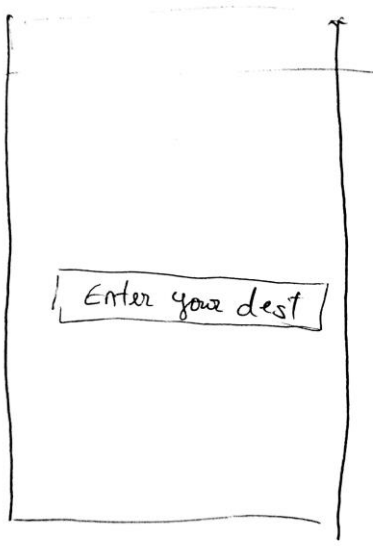
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

Screen 1



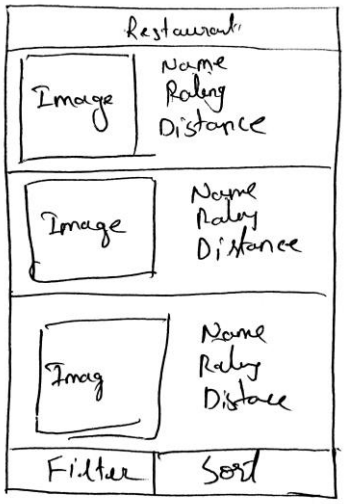
Allows the user to sign, if notregistered allows them to sign up or login with fb.

Screen 2



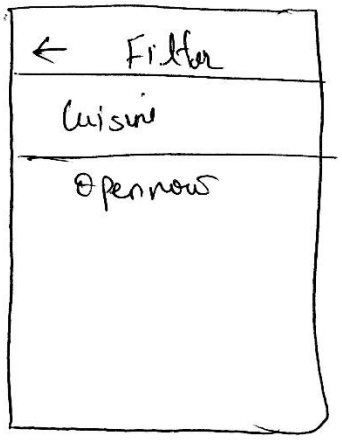
In the next screen, asks the user to enter a destination. Will provide auto-complete.

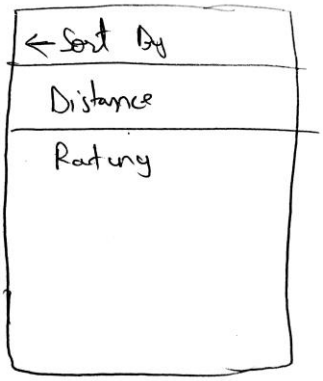
Screen 3



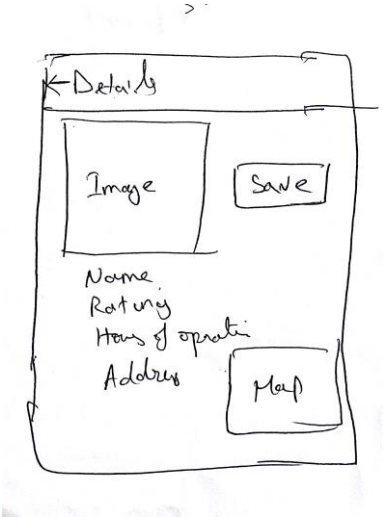
Here the user can browse through the options for, restaurants. Similar design for hotels and places nearby. Also has option for filter and sort.

Filter and Sort



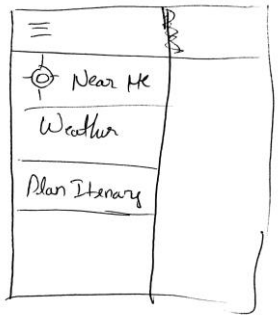


Details Page



This is the details page, which is shown once the user chooses any option of hotels,restaurant or places near by.

Side Menu



Side menu has options for the user to view the weather forecast of the region and also plan his itenary. Once the user chooses plan itenary, will provide them with a from and to date. Here the

user can select a particular day and save the places to vist. I would like to limit the span to 7 days.

Key Considerations

How will your app handle data persistence?

The app will use a databsae to store information, will achieve this through bulding content providers.

Describe any libraries you'll be using and share your reasoning for including them.
Picasso will be used to handle the loading and caching of images and facebook sdk to login. ButterKnife to find the 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

- Configure libraries
- Structure my project into packages.
- Configure my gradle script to allow paid and and free release.
- Figure out all the permissions required for the app

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for activity fragments like hotels,restaurants,places nearby and weather.

Task 3: Fetch data from api's

- Create layout for each activity. Identify the views and position them
- Implement yelp api for hotels,restaurants and openweathermap API for weather
- Build content providers for each of these and store data in database

Task 4: Create adapters

- Create cursor adaptors for hotels,restaurants and weather
- Handle the logic for palnning a itenary.
- Implement syncadapter to update stored informaton

Task 5: Implement Shard preferences

- Implement functionality for sort and filter options

Task 6: Check error cases

- Implement sharedpreferences to filter the data from yelp api.
- Define retention policy for all data fetch tasks.

Task 7: Productionize the app

- Check for hardcoded strings in the code and provide content descriptions to all the buttons
- Enable RTL.

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