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Submission Instructions
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GitHub Username: github.com/dhermanu

SoulFull

Description

Having a hard time finding the perfect halal restaurant nearby? Don't worry, SoulFull is here to help! Open the app and you'll instantly get the list of halal restaurants nearby. Then, choose one of the list to get the details of the restaurant including directions, hours, and photos.

Intended User

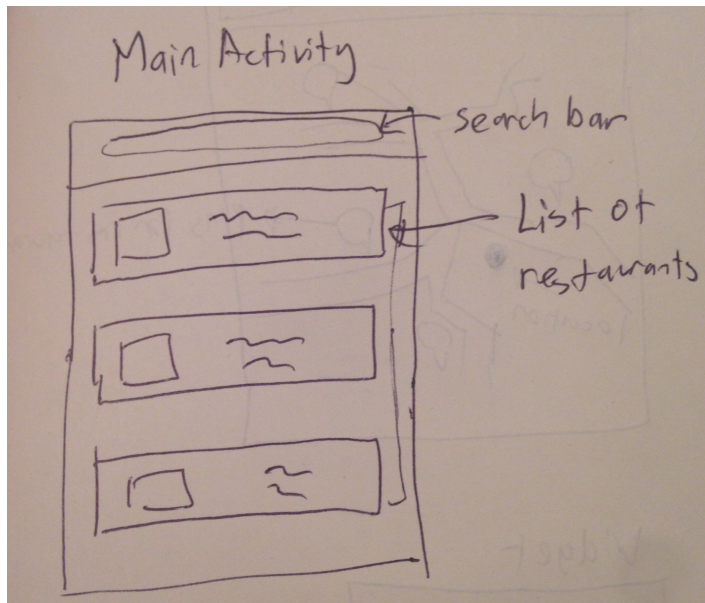SoulFull are intended to people who are in a Halal diet and wanted to search nearby halal restaurants fast.

Features

- Saves your favorite restaurants
- Provides a map to display nearby restaurants
- Open google maps for directions

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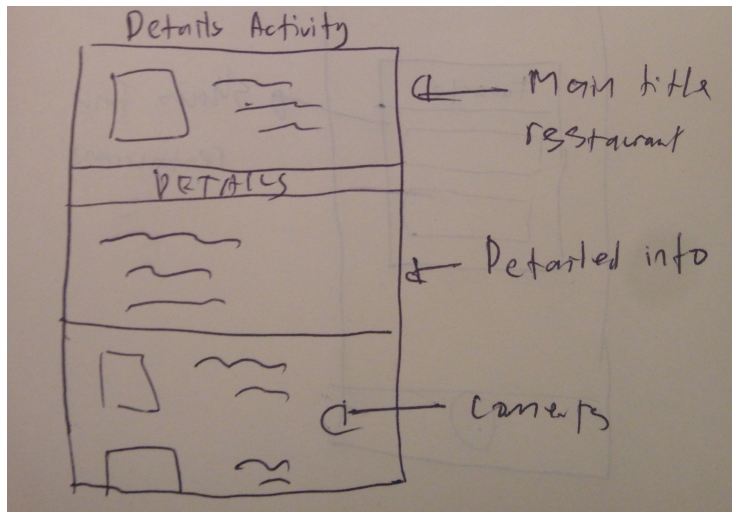
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.
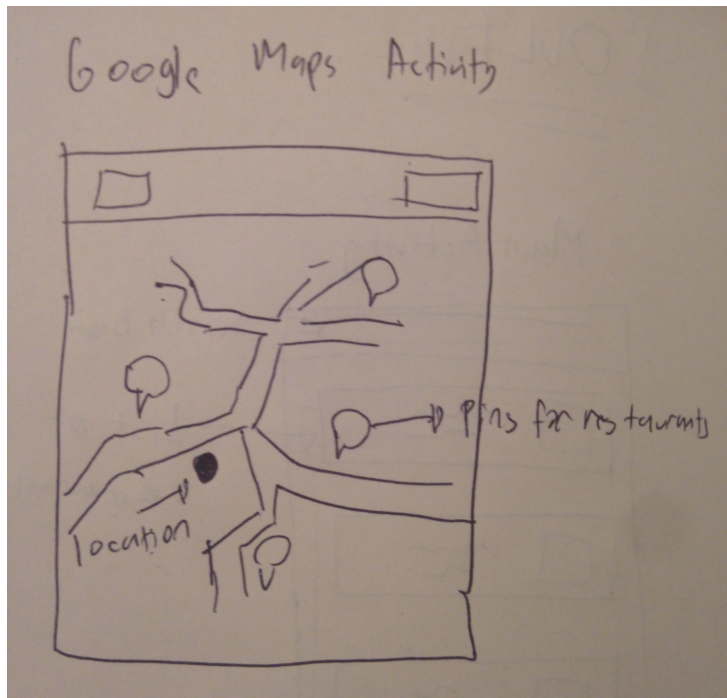
Screen 1

The activity displays a list of halal restaurants nearby once the app is opened. Entering the search bar would filter the list based on the user input.
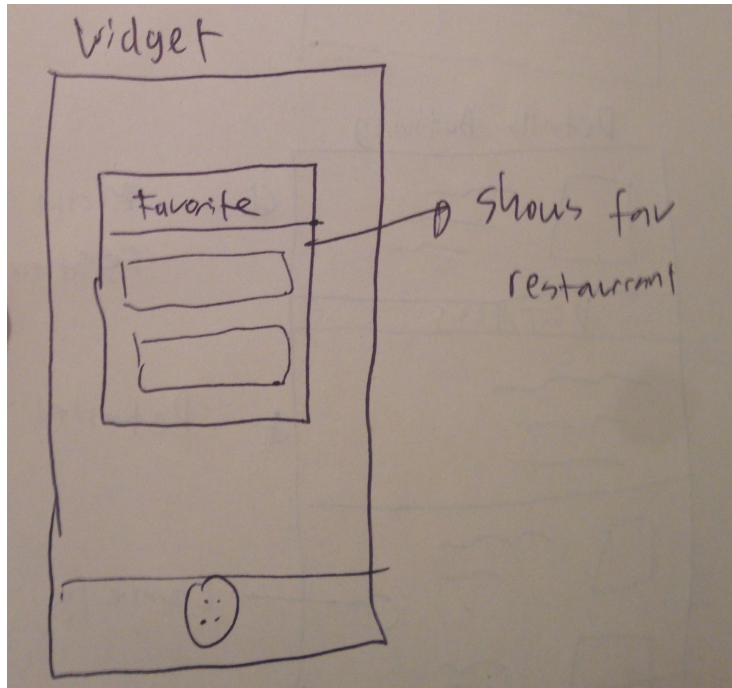
Screen 2

Clicking one of the restaurants in the MainActivity's list would take the user to the DetailActivity where the detailed information about the restaurant is presented. The upper section of the layout displays the name of the restaurant, profile photo, star review, and the contact info. On the middle section, the layout displays more details about the restaurant including hours, menu, and directions. Lastly, the lower section displays the reviews of the restaurant.

Screen 3

The Google Map Activity displays nearby halal restaurants. The pin represents the location of a restaurant on the map while dot represents the location of the user.

Screen 4

The widget will display saved restaurants. When the user click the screen, it will open the SoulFull app.

Key Considerations

How will your app handle data persistence?
The app will have an internal storage to store saved restaurants.

Describe any corner cases in the UX.
When searching for a restaurant, the result might be empty and the map won't show any pinned locations.

Describe any libraries you'll be using and share your reasoning for including them.
Retrofit: Connect with the Yelp API
Picasso: Image loading

Describe how you will implement Google Play Services.
I will be using Maps to make the Map layout in the Google Maps Activity and Location API to acquire halal restaurants nearby the user's location.

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
- Create a new project with MainActivity and a fragment
- Add Activity and fragment for DetailActivity and Google Maps Activity
- Add dependencies for libraries such as Retrofit and Picasso

Task 2: Implement UI for Each Activity and Fragment
- Build UI for MainActivity (List of restaurants)
- Build UI for DetailActivity (Detail information about the restaurant)
- Build UI for Google Maps Activity
- Build UI for Widget

Task 4: API Query
- Process the data from gathered from the Yelp API request
  - Use Retrofit to make the request
  - Use Picasso to load images

Task 5: Data Persistence
- Use sqlite for the database to store the saved restaurants
- Design schema for the database
- Make ContentProvider and Contract for the data

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