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DoctorFind

Description

Need to search for a doctor and easily get information on them? This app locates doctors around based on your search parameters, gives a brief description of their practice and accepted insurance.

Intended User

People who are need of a doctor and may be researching of those who are closeby.

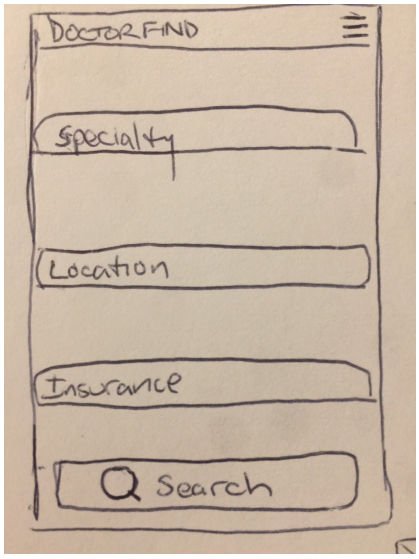
Features

- Uses Location and Maps to show user doctor's location
- Favorite List for saved doctors
- Share doctor information with others through email or message

- Developed in Java. Android Studio 3.1.2, Gradle 4.4, Retrofit 2.4.0, Picasso 2.5.2, Google Maps 16.0.0, Google Location 16.0.0,

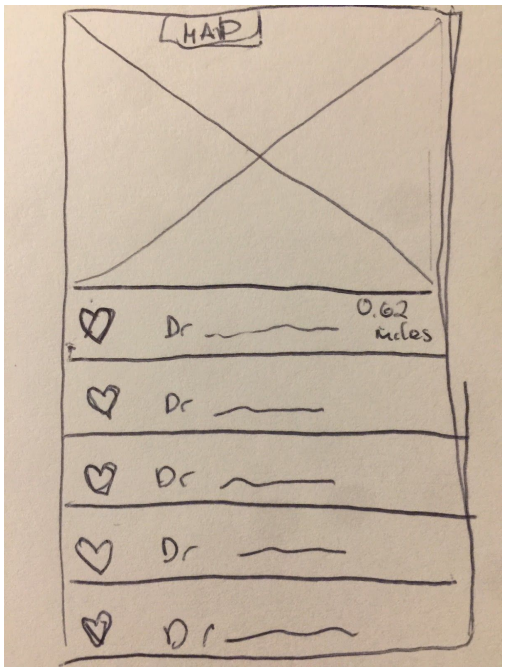
User Interface Mocks

Screen 1



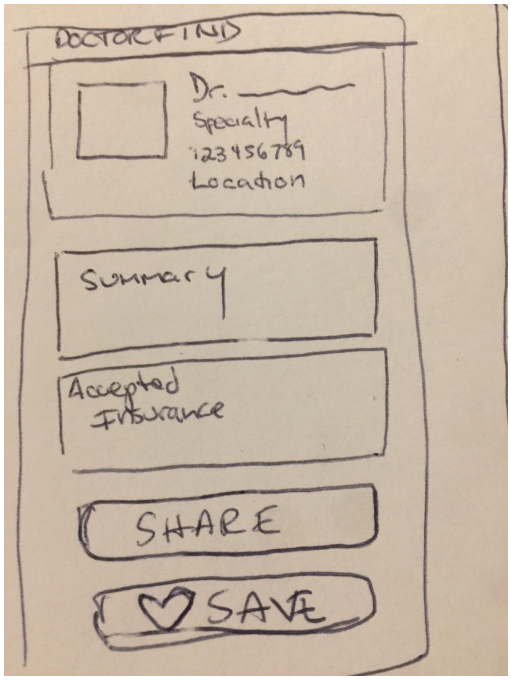
Home Screen where user can type different parameters such as Specialty, Location, and Insurance to search for doctor.

Screen 2



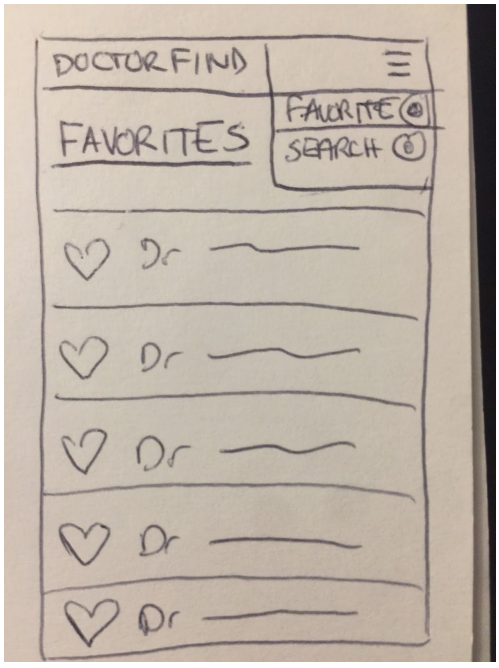
Search screen shows Map and list of doctor with brief description and how far they are. May remove favorite button from this screen

Screen 3



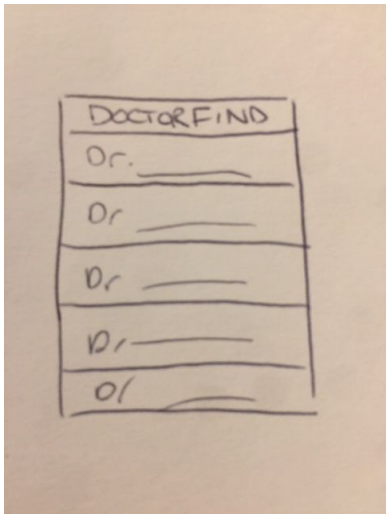
When clicked, detailed information about each doctor will appear and user can share or save to favorites.

Screen 4



User can switch from search to favorites in menu. May change implementation to a tab bar rather than menu item.

Screen 4



Widget shows simple list of doctors that were favorited.

Key Considerations

How will your app handle data persistence?

Data will be persisted by using Room and LiveData.

Describe any edge or corner cases in the UX.

Returning to search after clicking favorites would probably reset the users search inputs.

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

I will be using Picasso for loading and caching of images. Using the BetterDoctor API for getting doctor database and Retrofit to use the API.

Describe how you will implement Google Play Services or other external services.

I will use Google Maps to show location of doctors searched and selected. I will also use Google Location with user permission to use user location to determine relative distance to the doctor's office.

Next Steps: Required Tasks

Task 1: Project Setup

- Configure libraries
- Add dependencies and add permission for internet in Manifest

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for SearchResultsActivity
- Build UI for DoctorActivity
- Build UI for FavoritesActivity
  *keeps all strings in a strings.xml file and enables RTL layout switching on all layouts

Task 3: Implement Network connection to API

- Connect using Retrofit to BetterDoctors API
- Create Doctor class to fetch data

Task 4: Implement Google Play Services

- Test if Google Map and location is working
- Connect doctors' location to show on map

Task 5: Build Database with Room

- Create ViewModel for favorites
- Create DAO for favorites

Task 6: Create Widget

- Create widget layout

- Build Widget provider class and service to update when new doctor is added
- Widget shows favorite doctors by using IntentService
