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Canada Newcomers Guide (Subject to change)

Description

Canada newcomers guide will be your assistant while you start your life in Canada. Get information about shopping, banking, eating out, province specific rules and find places around you to do all those things.

Intended User

Everyone who comes to Canada for the first time or people who move to another city or province in Canada. Also, current residents can use it to find desired places close to them for shopping, eating out, etc.
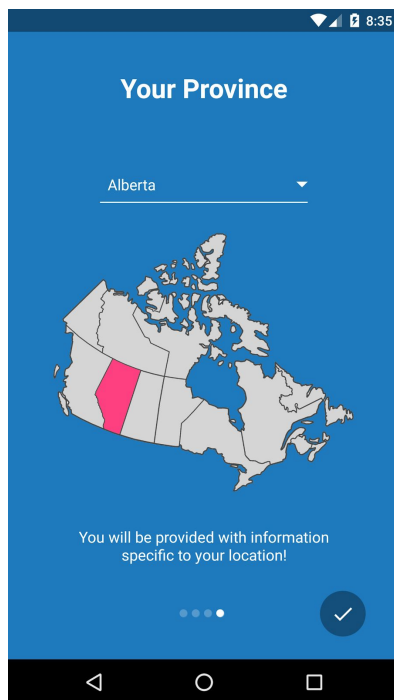
Features

List the main features of your app. For example:
- Introduction for the first time the user opens the app. Give an idea about the app, ask for location permission and user's province
- Retrieves information from Google Place API about shopping places, restaurants, banks, etc.
- Displays information about the place (such as address, operating hours, etc.)
- Opens Google Maps for more information and directions.
- Provides province specific information such as how to get identification, healthcare, etc.
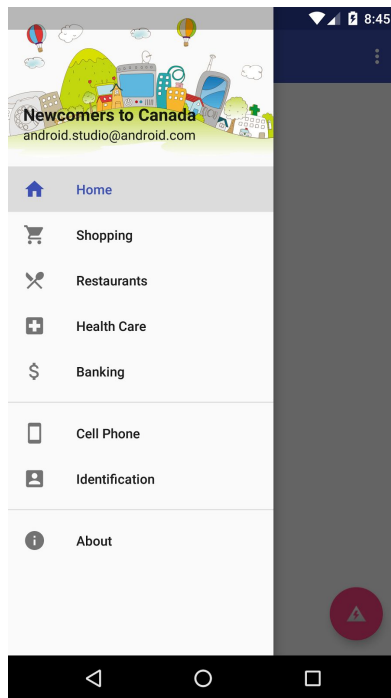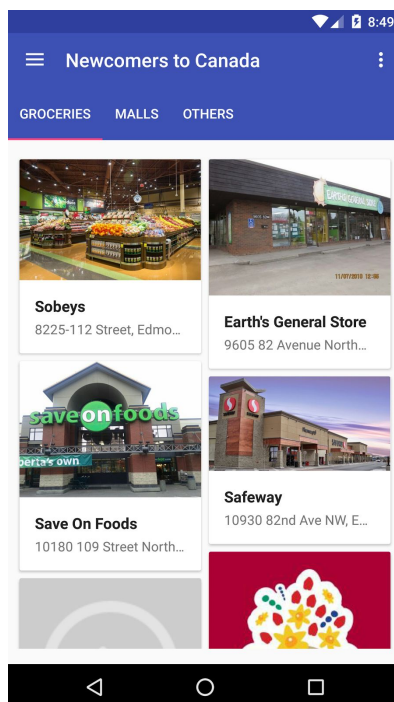
User Interface Mocks

Screen 1

This screen asks for location permission. If granted, the map will be updated. If not, the user can select it from the dropdown menu.

Screen 2

Navigation Drawer

Screen 3

A list of nearby places. User can get more information about that place by clicking on the recyclerview item.

Screen 4

Key Considerations

How will your app handle data persistence?

Implementing a content provider.

Describe any corner cases in the UX.

Pressing back button in the app intro will take the user to the last fragment in the intro, since the user needs to confirm their province.

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

Picasso for loading images from Web Places API
Google Play Services
Retrofit for network communications

Next Steps: Required Tasks

Task 1: Project Setup

- Configure libraries

Task 2: Implement UI for Each Activity and Fragment

- Build UI for app introduction and province selection
- Build UI for MainActivity
- Build UI for a generic fragment which hosts different kind of places (shops, restaurants, etc.)
- Build UI for details activity

Task 3: Implement Location Services

- Implement location related classes

Task 4: Implement Related Places API Calls

- Implement Google Play Services
- Implement Places API

Task 5: Implement A Content Provider

- Implement a content provider to store user favorite places' ids

Task 6: Polishing and Testing

- Clean up the code
- Perform tests