

## How to Use this Template

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## Submission Instructions

1. After you’ve completed all the sections, download this document as a PDF [ File → Download as PDF ]
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**GitHub Username:** LeontheProfessional7

# WhoRepresentsYou

## Description

Write a brief summary of what your app does. What problem does your app solve?

Not sure how to write a good description? Search 5-star apps on the Play Store for inspiration.

This App is intended to facilitate users finding their representatives or senators by simple clicks or input.

There are five ways in which the user can use this application to search contact info of party members.

1. Search by zipcode, get all party members in that area, no matter they are representatives or senators;
2. Search representatives by last name;

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3. Search representatives by state;

4. Search senators by first name;

5. Search senators by state.

Detailed contact info will be displayed in DetailsPage.

## Intended User

Everybody

## Features

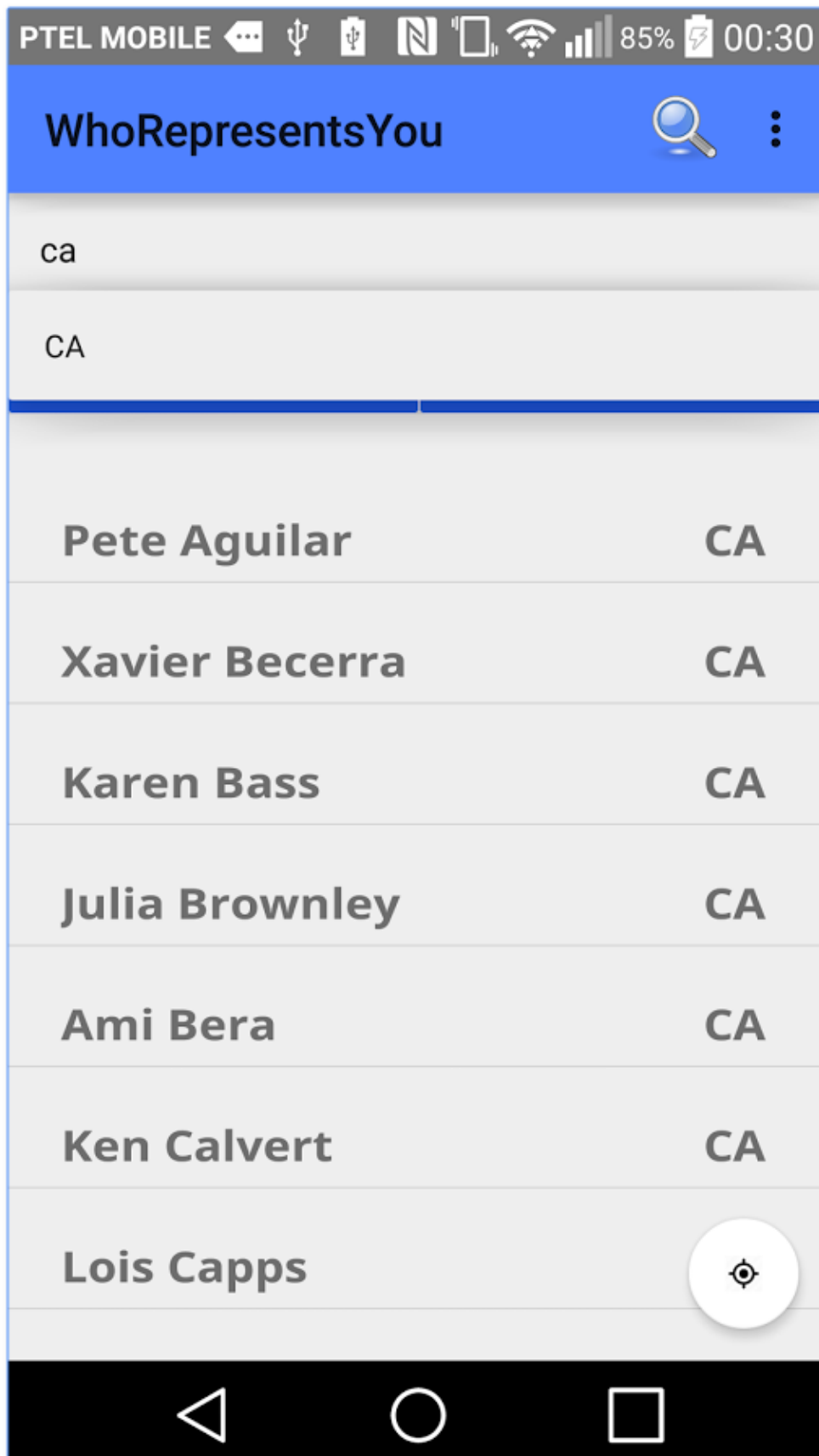
List the main features of your app. For example:

- Saves information
- Favorite capability
- SearchView
- Geolocation - Google API
- StackWidget
- AndroidSwipeLayout (3<sup>rd</sup>-party library)

## User Interface Mocks

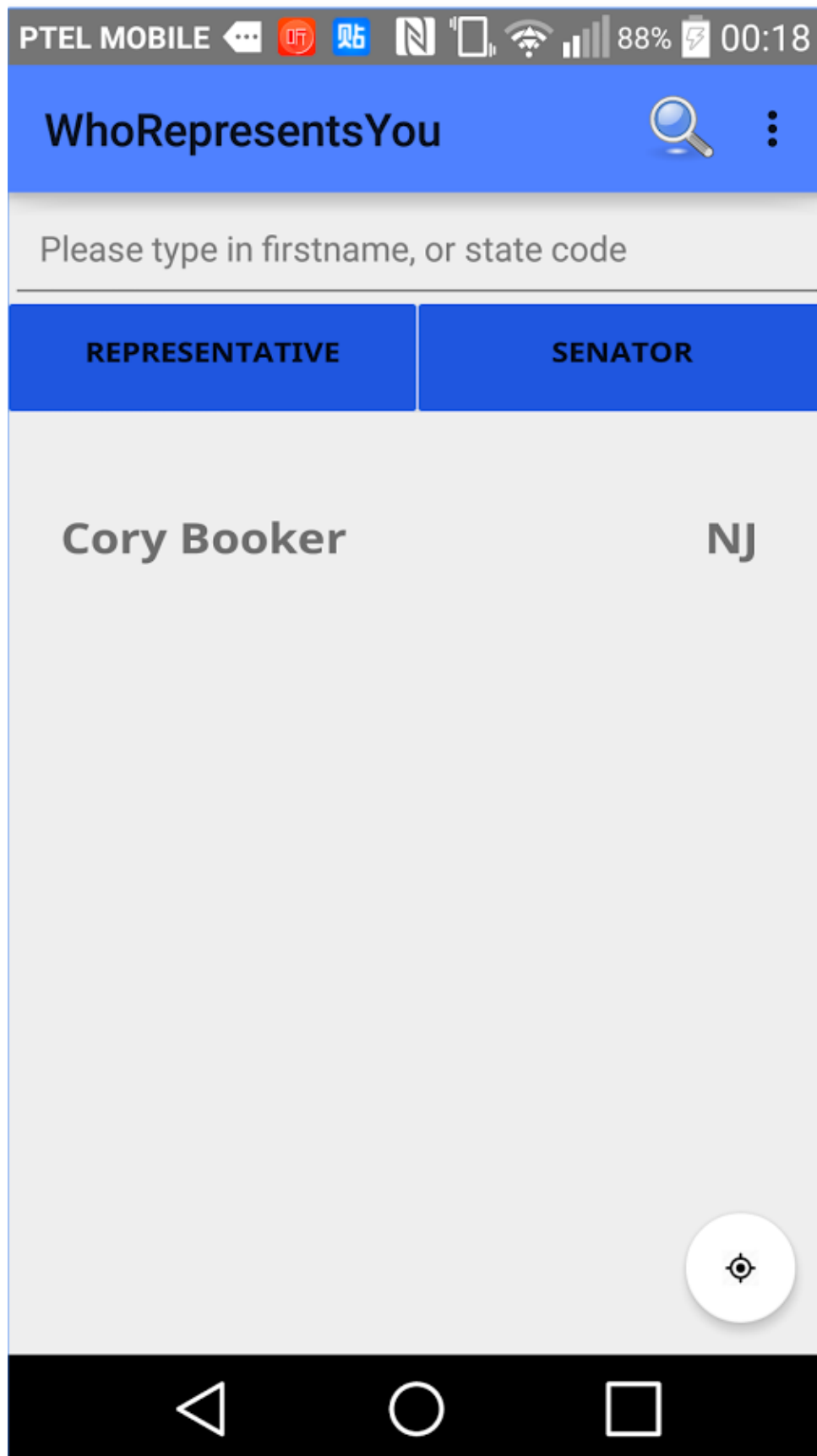
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

## Screen 1



AutoComplete Textbox for search of representatives and senators

## Screen 2



Favorite list of users

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User can find representatives or senators in his or her state by a simple click of FAB with geolocation capability.

## Screen 3



SearchView on the top for zip code based search of representatives or senators



## Key Considerations

### How will your app handle data persistence?

A `ContentProvider`, *MemberContentProvider*, has been built to save data

### Describe any corner cases in the UX.

If the network is not available, neither via WIFI or cellular data, a short Toast message will be shot saying that. But no API fetching will be performed, until there are available network connected.

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

Geolocation tracking service: used for retrieving users' zip code

### Describe how you will implement Google Play Services.

Describe which Google Play Services you will use and how.

```
compile 'com.google.android.gms:play-services:9.0.0'
```

Google Address API:

1. Get User's longitude and latitude via Google API
2. Send post request to Google API to get best possible current address of users

Google Analytics

## 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

Write out the steps you will take to setup and/or configure this project. See previous implementation guides for an example.

You may want to list the subtasks. For example:

- Configure libraries
- Something else



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If it helps, imagine you are describing these tasks to a friend who wants to follow along and build this app with you.

```
compile 'com.android.support:design:25.0.0'  
compile 'com.google.android.gms:play-services:9.0.0'
```

## Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for MainActivity
- Build UI for something else

## Task 3: Your Next Task

UIImprovement – Apply Material Design

## Task 4: Implement a 3rd party library: AndroidSwipeLayout

<https://github.com/daimajia/AndroidSwipeLayout>

## Task X: Implement SearchView

1. To create the layout on the top ActionBar
2. User input as zip code (enter hit or search icon clicked or voice input finished)
3. Zip code will be sent to API for info in JSON fetching
4. Data will be displayed to the users after a successful JSON fetching (*AsyncTask*)

Add as many tasks as you need to complete your app.

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