

Design Document

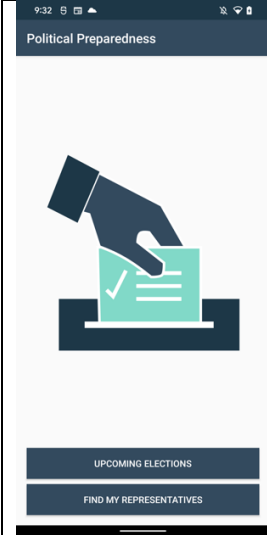
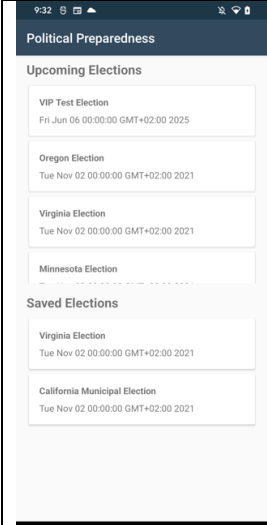
Political Preparedness

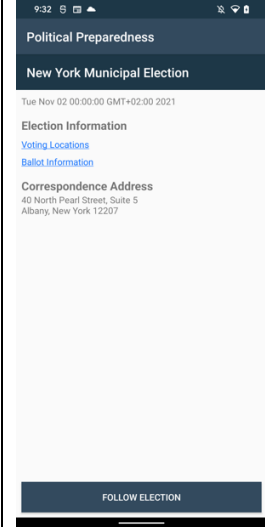
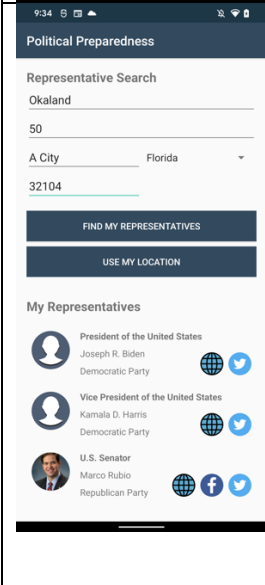
Summary

Political Preparedness is an app that keeps users updated with information about elections. Users can look at upcoming elections, follow an election and find out who the representatives are for the area they are in.

Screens

The app consists of four separate screens, each with its own purpose.

	<h3>Launch Screen</h3> <p>The launch screen is the first screen that the user will see. It has two buttons where the user can go to separate functionalities:</p> <ol style="list-style-type: none">1. “Upcoming Elections”, this takes the user to the upcoming elections screen.2. “Find my representatives”, takes the user to the find my representatives’ screen.
	<h3>Upcoming Elections Screen</h3> <p>This screen shows two lists,</p> <ol style="list-style-type: none">1. A list of upcoming elections from the Google civics API.2. Another list that shows saved elections. These are elections that the user has chosen to follow. This is pulled from a local database.

	<p>Voter Info Screen</p> <p>Selecting an election list item in the previous screen takes you to this screen where the user can view details about an election.</p> <p>This screen has links that take the user to a web page for more information pertaining to voting.</p> <p>The detail is pulled from the voterInfo endpoint in the Google civics API.</p>
	<p>Representatives' screen.</p> <p>The user gets to this screen by selecting “find my representatives” button on the launch screen.</p> <p>Here the user can enter their address then click “find my representatives”, an API call will be made, and it will return a list of representatives for the area the user entered.</p> <p>Alternatively, the user can select “use my location”, that will use the user's GPS on the device to get his location. We then use geolocation to get the address.</p>

Project Milestones

1. Get all screens in the application to navigate to each other with dummy data. If needed, comment out stub code to get the application to compile. You will need to create actions in nav_graph.xml and UI elements to trigger the navigation.
2. Create the API calls and use to retrieve and return it to a repository class and respective viewmodels.
 - a. Use the elections endpoint in the Civics API and requires no parameters.
 - b. Link the election to the Voter Info Fragment.
3. Work on the Voter Info Fragment and associated ViewModel.
4. Work on the Representative Fragment and associated ViewModel.
5. Work on the UI to make it consistent and pretty.