

**California State University San Bernardino
School of Computer Science and Engineering**

CSE 482 Senior Project

Date

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Time

2:30 PM

Location

JB 359

Title

Know & Vote Mobile App

Student

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Advisor

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Abstract

Know and Vote is a mobile application for Android and iOS with the aim of making local political information readily available for users. Our client, Julian Rubulcaba, described his vision to me and the MAD interns. Development on the Android version began in November 2018. The central problem was discovering how to retrieve political data regarding news, candidates and legislation from external sources. To accomplish this, we use various web APIs that have this information publicly available. The API returns information in JSON format and the application parses the desired fields into the user interface. Spring 2019 saw the implementation of some new features. We developed activities that return legislator and independent expenditure data. Also, we re-vamped the user interface. Lastly, we began building a robust user authentication system with Firebase. The development of Know and Vote is ongoing and the iOS version has been started. There are some features included in the SRS that have not been implemented such as the candidates page. The voting locations page is complete, however, uses a deprecated API endpoint. Other issues include general formatting issues with parsed text. I expect that Know and Vote will be ready for deployment by fall 2019.