

Project Name: Populace

 Course Number: CSE 299

Section: 01

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Git repository link: <https://github.com/sayeedk06/CSE299-Populace->

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**Project Name: Populace**

**Project Idea:** At present times we have various web based tools like google-classroom and piazza to manage resource with a group of people. These are specially used by educational institutions (e.g. school, college, university) and other organization to communicate with a large number of people, to create workflow etc. ‘Populace’ is also a web based application. The reason it stands out from the rest is that the idea of the web application ‘Populace’ is that it will combine all this separate existing platform into one single platform. By signing in to ‘Populace’ users will be able to see posts made on the other existing web applications and also make their own query. It will therefore be a gathering place especially for students and for people who wants a one-stop solution to keep track of all the accounts in different web platform.

Primarily, the two platforms that we will include are ‘Google Classroom’ and ‘Piazza’. In the future we also plan to add other platforms similar to the above mentioned names.

**Features:**

**Technology:** For UI design we decided to use Bootstrap. Bootstrap is a free and open-source CSS framework directed at responsive front-end web development. It contains CSS and JavaScript-based design templates for typography, forms, buttons, navigation and other interface components. Bootstrap will be used over the usual HTML and CSS. And for the backend we will be using Express.js. It is a web application framework. It is a minimal and flexible Node.js web application framework that provides robust set of features.

Finally, for the database requirement we have opted to use a NoSQL database. And so we have decided to use MongoDB for the projects database requirement. The reason for doing so is because we have only two entities:

* USER: Will keep info about the users signing in the application
* PLATFORM: The platform information for the signed in USER entity.

To get the data from the other platforms we will be using the following APIs –

Google Classroom: <https://developers.google.com/classroom/>

Piazza: <https://www.npmjs.com/package/piazza-api>

Hence, our application technology stack stands as such –

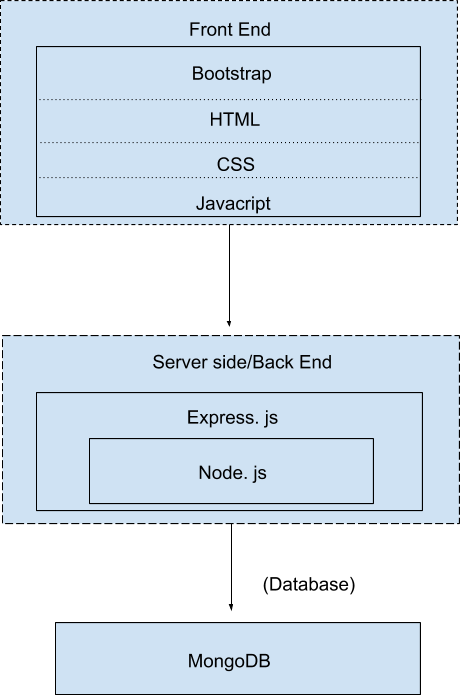


Fig: 1.0 Technology Stack.

**Monetization:**