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CS411: Technology Stacks

Backend (William, Albert): NodeJS

We have decided to use NodeJS for our backend. This choice was not made because of its capabilities when compared to alternatives like Flask, though - we decided to use NodeJS primarily because William had used NodeJS before, and Albert had a strong desire to learn the framework for future projects. Some other bonuses of using NodeJS for us are its huge user base, which lets us more easily find solutions to our problems online and libraries that suit our needs, and the fact that it is based on JavaScript, which means we can troubleshoot more general JS problems with Lucas, who is using ReactJS (his first time using React) for our frontend.

FrontEnd(Lucas): React

As the development of web technologies, we now have many options enabling us to develop a project at any scale. Compared to the traditional frontend stack(html,css), the frontend framework(react,vue,angular) excessively decreases the code and presents the structure of the website in a clearer way. The most important reason here we choose React is its extensive user base and profound ecosystem maintained by fans. You don't need to worry about unprecedented problems because the community will help you solve it! Plus that, React can be easily transferred to React Native, providing us the ability to spread our project to mobile platforms(ios, android).