The technology stack we have decided on for our project is a combination of react for our frontend, flask for our backend, and mongodb for our database. When debating on which technologies to use, we focused a lot on our familiarity with the languages and tools.

For example, we all have experience working with Python and Java due to our CS coursework, so flask basked backend will allow us all to feel a sense of comfortability, while stick giving us a challenge since it is a framework that none of us have ever worked with. Another option we considered using for our backend, sticking in the realm of python, was Django for its easy adaptability for new users and its popularity amongst developers.

For the frontend, we debated between using React and Angular. For the most part either option we would have decided on would be new to us and pose us with unique challenges because JavaScript and TypeScript are not languages we are as familiar with. They are two popular frameworks that each have their unique pros and cons, but in the end, we decided to use React for our frontend because of its flexibility, reusability, and overall performance.