

CS411 Team Assignment 3

We are using react for the front end because react already has a bunch of components and dependencies that we can use to speed up the development of our application while also making it look pretty. We are using a bootstrap framework to render the elements and simplify our design work. It's also easy to run on our machines and simplifies state management of our application. It's able to dynamically render the elements, which in this case are songs and artists that are pulled from the backend.

We are using flask for the backend because we are all comfortable with using python and it's pretty easy to learn. We're able to easily make API requests to Spotify and OpenAI per the requirements. Flask also has the capability for Flask Alchemy which is a SQLite database and handles requests very efficiently and easily so we don't have to spend too much time worrying about database development.