

CS 411 B2

Team 3

Tech Stack

**Tech Stack:** React Native, MongoDB

We decided to use React Native over other mobile app tools such as Angular for a variety of reasons. The first being React Native uses JavaScript whereas Angular uses TypeScript. Overall we felt coding in JavaScript was better because of its wide use for front-end development therefore allowing us to easily leverage a variety of open source packages for features in our app. In addition, React Native seemed to have clearer documentation for developing mobile apps and therefore less of a learning curve.

We chose MongoDB because we wanted to utilize a non-relational database over a relational database such as MySQL. Our App will require specific and varied information to be stored with the associated user therefore a JSON object is preferable to store the user's profile information as well as the workouts they create and their custom calories tracker. In addition, MongoDB is so widely known and utilized across multiple platforms, including React Native, it's better for development and lessens the learning curve.