

CS 411 B2
Team 3
Tech Stack

Tech Stack: React Native, Firebase

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 Firebase 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, Firebase offers methods for authentication which will be helpful as we set up the login page which requires the user to login with an email and password.