Unit 10: Full Stack App with React and a REST API

In your final project, you'll use React to create a client for your existing school database REST API (that you created in a previous project). When completed, your full stack JavaScript application will allow users to view a list of courses and the detail for a specific course, sign up to create an account or sign in with an existing account, and create, update, or delete courses.

The full stack application will provide a way for users to administer a school database containing information about courses: users can interact with the database by retrieving a list of courses, viewing detail for a specific course, as well as creating, updating and deleting courses in the database. In addition, the project will require users to create an account and sign in to make changes to the database. Implementing these features will push your React skills to new heights.

To complete this project, you'll use your knowledge of React, JSX, React Router, React Context API, and Create React App.

After using the Create React App tool to set up your initial project, you'll:

- Use JavaScript and JSX to build out the components for your application in a modular fashion.

- Use React Router to set up your routes.

- Use the Fetch API or a tool like Axios to fetch data from your REST API.

- Allow users to sign up and use basic authentication to support users signing in.

- Add to the supplied CSS to personalize the project.

Project Resources:

- Cross-Origin Resource Sharing (CORS) on MDN web docs : https://developer.mozilla.org/en-US/docs/Web/HTTP/CORS

- React Router Documentation: https://reacttraining.com/react-router/