Project 03

Web Development Boot Camp
Lesson 23.1

Project Requirements

Project 03: Coding Requirements

Must use GraphQL with a Node.js and Express.js server.

Must use MongoDB and the Mongoose ODM for the database.

Must use queries and mutations for retrieving, adding, updating, and deleting data.

Must be deployed using Heroku (with data).

Must have a polished UI.

Must be interactive (i.e., accept and respond to user input).

Must Include authentication (using JWT).

Project 03: Additional Requirements

Must protect sensitive API key information on the server.

Must have a high-quality README (with unique name, description, technologies used, screenshot, and link to deployed application).

Must have a clean repository that meets high-quality coding standards.

Must look professional and be mobile-friendly.

CSS Styling (Optional)

Instead of using a CSS library like Bootstrap, consider one of the following suggestions:

Look into the concept of CSS-in-JS, which abstracts CSS to the component level. Popular libraries include styled-components and Emotion.

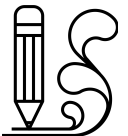Try using a component library, such as Semantic UI, Chakra UI, or Ant Design.

Create all the CSS for your application just using CSS.

Regardless of whether you choose any of these options, your project needs to look professional and be mobile-friendly.

Payment Platform (Optional)

Consider integrating the Stripe payment platform. Even if you don't create an e-commerce application, you could use Stripe to set up your site to accept charitable donations.

Bonus

Although this is not a requirement for your project, see if you can also implement functionality to meet the minimum requirements of a PWA:

Uses a web manifest.

Uses a service worker for offline functionality.

Is installable.

Fulfilling all three requirements to turn your app into a PWA will add 10 points to your grade! 💡

Presentation Requirements

Presentation Requirements

You will be responsible for preparing a formal, 10-minute presentation that covers the following:

Elevator pitch: a one-minute description of your application.

Concept: What is your user story? What was your motivation for development?

Process: What technologies did you use? How did you break down and assign tasks and roles? What challenges did you encounter? What were your successes?

Demo: Show your stuff!

Directions for future development.

Links to to the deployed application and the GitHub repository.

Project Metrics

Project Metrics

Your project will be evaluated on the following:

Concept

Design (application quality)

Functionality (meets all technical acceptance criteria)

Presentation

Collaboration

Repository quality

Deployment

Questions?