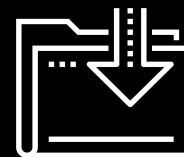


Web Development Boot Camp

Unit 23



Project Requirements

Project 3: 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 (JWT)

Project 3: 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 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



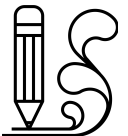
Create all the CSS for your application just using CSS



Regardless of which these options you choose—it just 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 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



Presentations

Presentation Requirements

Your formal, 10-minute presentation must include:



Your application's overall concept



The motivation for your application's development



Your design process



Technologies used (and a brief description of how they work)



A demonstration of the application's functionality



Directions for future development



Sometimes, talking intelligently about tech > doing tech.

Metrics

Metrics

Project 3 will be assessed on the following:



Concept: 10%



Deployment: 20%



Repository Quality: 10%



Application Quality: 15%



Presentation: 10%



Collaboration: 10%

Group Members



Group Challenge:

Project Brainstorming

Work with your group to identify ideas, research APIs, and create project designs.

You will submit your initial project proposals by the end of class today.

Suggested Time:
60 minutes

