

Capstone 2 Proposal

1. What tech stack will you use?
 - a. I plan to use Node.js and React with a Postgres DB. I would like to explore Material UI in this project as well.
2. Will you focus on the front-end or back-end?
 - a. I think it will be slightly more front-end than backend but I plan to keep it balanced. It will basically be a Best Buy clone.
3. Will this be a website or a mobile app?
 - a. Website
4. Goal to achieve?
 - a. I plan to learn more about React with this project. I think modeling my site after a well known site will help me learn more about design and front-end since my last Capstone was more of a back-end heavy app. I would like to learn more about e-commerce since most apps are basically e-commerce at the end of the day.
5. What kind of users will visit your site?
 - a. Any technology enthusiast or people looking to find good deals from BB without so many adverts.
6. What data do you plan on using?
 - a. I plan to use the best buy API to find product information and recommendations. I might not include things like refrigerators, but plan to use the computers and tvs etc that most people go to the site for.
7. Outline:
 - a. Schema: user model for registration and liked items. I will also have a simple shopping cart for products and a way to track which items have been liked or purchased before. There will most likely be intermediary join tables between them.
 - b. Issues with API: I could see the product data missing certain items or different endpoints returning the data in different formats.
 - c. Sensitive information: API key and user login info. Tokens used for verification.
 - d. Features: In addition to the basic CRUD operations on the side, I will try to implement the recommendation API from Best Buy for products that have been liked or purchased in the cart.
 - e. User Flow: The site will allow you to just view things without being logged in, but if you want to like or add things to a cart it will require creating a basic profile to log in with. First Name, Last Name, email, password.
 - f. A stretch goal I have will be to implement the stripe API to be able to make actual purchases from the site.