

Capstone 2

Step One: Initial Project Ideas

1. **e-Commerce Site:** Grocery store pick-up (Clone of InstaCart), or any eCommerce site with Shopping Cart functionality
2. **Photo-Based Social Network Webpage:** Desktop version of a mock Instagram or similar to a blogging site
3. **Recipes/M meal Planner:** Curated food content; collect recipes and ideas in the kitchen or submit your own out of the two

Step Two: Project Proposal

For Capstone #2, I want to build a *simple* e-Commerce storefront to mock up the buying and selling of products on an online service, similar to an Amazon storefront, or anything specialized, such as groceries, shoes, furniture, etc.

UI and/or Template Features:

- **Navigational Components**
 - Shopping cart checkout feature
 - View shopping cart and update items and amount if the shopping cart slides to the right of page, or if it's a popup
 - Search field
 - Pagination or breadcrumbs
 - Sliders and image carousels
- **Input Controls**
 - Dropdown lists or buttons
 - Update quantities of product
- **Informational Components**

- Notifications
 - Cart items updated
- Progress bars at checkout
- Message boxes
- Modal windows (pop-ups)

Expected Features


- Homefront of products displayed
- Product list, product detail, product cards and description
- Sign-up/login/logout feature for customers to checkout
- Saved cart items per user

Potential Resources

- External API will be used for products:

Fake Store API

Fake store rest API for your e-commerce or shopping website prototype fakeStoreApi is a free online REST API that you can use whenever you need Pseudo-real data for your e-commerce or shopping website without running any server-side code. It's awesome for teaching purposes, sample codes, tests, etc.

 <https://fakestoreapi.com/>

- Own database for user information and for admins to add items or moderate user information

Tech Stack Ideas

- React JS frontend
- Node JS & Express JS backend
- PostgreSQL for the database
- Heroku deployment

- Bootstrap
- CRA
- Possible NoSQL
- Redux
- Sequalize
- NextJS

Stretch Goals

- Stripe payment
- Email features: verification for new users and reset password via email reset
- Fake order confirmation to a registered email address
- Dashboard for registered users to view favorite items, or saved items for future checkout process
- Fake customer reviews
- Admin to edit product description or pagination to sale items, new arrivals, etc.