

Assignment Four (Project One)

- Late Submission: The deadline to submit this assignment is 19th February 2024, 6:00PM IST.

Challenge

Your challenge is to build a fully functional e-commerce app containing the below features.

Important Instructions

1. You have to build this project using React JS (Hooks).
2. You can make use of hooks like `useState`, `useEffect`, `useContext`, `useReducer`.
3. Make use of functional programming and write good modular code.
4. Refrain from using for-loops.
5. The features that you have to build and their user stories are mentioned below. You need to implement all the features mentioned below, in your app.
6. Design prototype has been provided below for reference. It contains design for some of the pages that you need for building this e-commerce app. You have to take inspiration from that, for designs of your app. You can choose to completely copy that design.
7. Make use of this repository for backend in your project. You can make changes and write your custom data. Read the Instructions written on this repo for clarity
- <https://github.com/neogcamp/mockBee>

What you have to submit

You have to submit 3 links once you complete this given assignment within deadline.

1. Github URL - Your Github URL should have your e-commerce app code. Make sure your code is properly structured. Submit the Github link of your code.
2. Loom Video URL - You need to record a video using Loom and submit the link of your video. In this video you should show each and every feature that you have implemented in your app one by one. Make sure you show all the features in one video itself. Don't record the video too long. Here is a sample of how you should make the video - <https://www.loom.com/share/9389a778ba0344df8e574358ebf93b46>
3. Live Project Link - You need to host your e-commerce website live and submit the hosted link. You can choose to host your website anywhere you like, example: Netlify, Vercel, etc.

Features

- Home Page
- Product Listing Page
- Single Product Page
- Filters by
 - Price
 - Category
 - Ratings
- Wishlist Management
- Cart Management
- Search
- Loading & Alerts
- Authentication
 - Sign-up
 - Login
 - Logout
- Address Management
- Checkout

Link to design prototype:

Please note that the figma files won't be provided. It is to prevent any kind of misuse.

[Design Prototype](#)

Sample Projects to check out functionalities:

Project by Saksham: <https://artisan2-ak.netlify.app/>

Project by Rutvik Umak: <https://pustaka-react.netlify.app/>

Project by Rohan Mondal: <https://fashi-fy-react.vercel.app/>

User Stories

1. Home Page

- a. A landing page with a list of featured categories.
 - If you click on any one of the categories you should be redirected to the product list page with the selected category.

2. Product Listing Page

- a. A product listing page where all the products are listed with a section of filters.
- b. Multiple filters on the product listing page including,
 - Price: A radio button to sort from low to high & high to low.
 - Category: A checkbox with various categories according to the theme.
 - Ratings: A slider to filter as per product rating.
- c. A button to clear filters from where you can clear all the applied filters.
- d. On the product cards, there should be two call-to-action buttons,
 - Add to Cart: You can click on the "Add to Cart" primary button which will add the item to the cart & once added show "Go to Cart" on the product card.
 - Add to Wishlist: You can click on a "Add to Wishlist" secondary button or "Wishlist" secondary icon button where it adds the item to the wishlist & vice-verse.

3. Product Detail Page

- a. If you click on any product you should be redirected to a single product page with all details & the "Add to Cart" & "Add to Wishlist" buttons with persisted data.

4. Cart Management

- a. From the navbar, you can navigate to the cart where all the products that you want to buy are mentioned.

On the product card,

- You can see the quantity of a particular product.
- You can Increase or Decrease the quantity of a particular product.
- Remove the product from the cart.
- Add the product to the Wishlist.

b. You can see the price details card of the cart containing a button to checkout which will show the total price of the products with its quantity.

5. Wishlist Management

a. From the navbar, you can navigate to my wishlist where all the products that you would like to buy are mentioned.

On the product card,

- You can remove the item from the wishlist.
- Add the item to the cart
 - If the cart already contains that item, it should only increase the quantity.

6. Search

a. You can search for an item from the list via the input text box on the header navbar.

7. Loading & Alerts

a. You can see loading spinners when the data i.e. the products are loading.

b. You can see the acknowledgement alerts whenever you,

- Add item to the cart
- Move an item from the cart to the wishlist
- Add item to the wishlist
- Remove Item from the wishlist
- Move an item from wishlist to cart

8. Sign-up Page

a. You can see a sign-up page from where you can sign-up using my email, first name, last name, password & confirm password.

- b. You can see a hide-show icon button that shows or hides my password.

9. Login Page

- a. You can see a login page from where you can log in using my email & password.

10. Logout

- a. You can see a logout button from where you can log out from the app on the header navbar.

11. Address Management

- a. You can add multiple addresses in a page, update or delete them.

- b. You can choose a single address to deliver my order.

12. Checkout

- a. Once you choose the address, you can click on the checkout button which would show the order summary.