

INTERVIEW TASK

Project Overview

This assignment is designed to assess your skills in building a React application with Redux integration. Follow the steps outlined below to create a professional and functional e-commerce application.

Instructions:

Step 1: Set Up the React App

Create a new React application using the latest best practices and project structure. Ensure that the application is well-organized and adheres to industry standards.

Step 2: Install and Configure Redux

Integrate Redux into your React application. Implement a structured state management system following best practices. Utilize Redux middleware as needed for asynchronous operations.

Step 3: Implement User Authentication

Create a login page with user authentication functionality, utilizing the API at <https://dummyjson.com/docs/auth>. Upon successful authentication, securely store the JWT token in the local storage, and ensure proper error handling with informative feedback for unsuccessful login attempts.

Step 4: Develop Home Page with Product Display

Build a home page that fetches products from the provided API dummyjson.com/docs/products. Display all products in a user-friendly manner. Implement category-wise filters for products and include pagination functionality for a seamless user experience.

Step 5: Implement Add to Cart Functionality

Enhance the user experience by implementing an "Add to Cart" functionality using Redux. The addition of products to the cart should be reflected in the navigation bar, showing the current count of items in the cart.

STEP 6: Implement a Checkout Page

Develop a dedicated checkout page that elegantly displays the total price and a comprehensive list of all products added to the cart. Ensure a seamless and intuitive user experience during the checkout process, enhancing the overall functionality and usability of your e-commerce application.

Step 7: Set Up Git Repository and Share Link

Initialize a new Git repository for your project. Afterward, push your code to the Git repository and share the repository link with us. This will allow us to review your codebase and provide feedback.

Additional Notes:

- **Component Library:** Use any component library of your choice to streamline the UI development process. Ensure that your chosen library aligns with best practices in React application development.
- **Warning:** Do not use any AI tools for completing this task. The goal is to assess your skills and understanding of React, Redux, and general web development practices.

Task Completion: Upon completion, provide a detailed explanation of your implementation choices, any challenges faced, and improvements made. Be prepared to discuss your code and demonstrate the functionality during the interview.

Good luck, and we look forward to reviewing your work!