

Frontend Development Stack

Overview

The web frontend will be developed using NextJS, a React framework that enables server-side rendering and static site generation.

Technologies

1. **NextJS:** A React framework for server-side rendering and static site generation. It provides a great developer experience with features like automatic code splitting and static exporting.
2. **React:** A JavaScript library for building user interfaces. It allows for the creation of reusable UI components.
3. **Redux:** A state management library for JavaScript apps. It helps manage the application state in a predictable way.
4. **Tailwind CSS:** A utility-first CSS framework for rapid UI development. It provides low-level utility classes that can be composed to build any design.
5. **Axios:** A promise-based HTTP client for making API requests. It works in both the browser and Node.js environments.

Pages

1. **Home Page:** The landing page of the application.
2. **Product Listing Page:** A page that lists all the products.
3. **Product Detail Page:** A page that shows the details of a specific product.
4. **Cart Page:** A page that shows the items in the user's cart.
5. **Checkout Page:** A page for the user to complete their purchase.
6. **User Profile Page:** A page for the user to view and edit their profile.
7. **Order History Page:** A page that shows the user's past orders.

Components

1. **Header:** The top navigation bar.
2. **Footer:** The bottom section of the page.
3. **Product Card:** A card component to display product information.
4. **Cart Item:** A component to display an item in the cart.
5. **Order Summary:** A component to display the summary of an order.