

Product List Page

Overview:

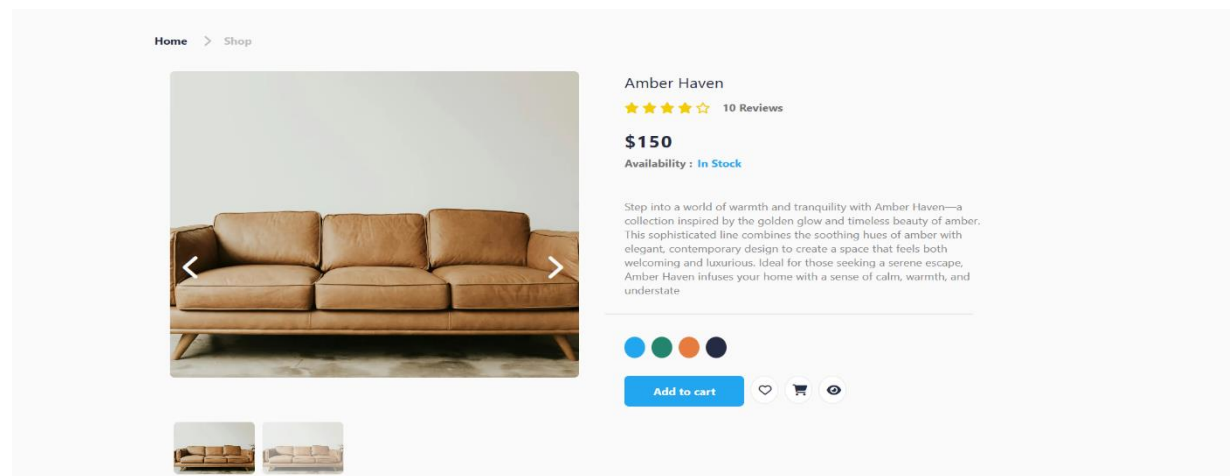
The Product List Page is designed to display all the available products in a clean and organized layout. It provides users with a seamless browsing experience, featuring dynamic routing and essential functionalities like pagination and search.

Key Functionalities:

Dynamic Routing:

Each product is rendered dynamically, enabling scalability and improving performance.

URL structure follows a pattern (e.g., `/products/[id]`) for direct access to individual product details.



Add to Cart

- **Importance:** The Add to Cart functionality enhances the shopping experience by allowing users to save items for purchase while browsing.
- **Implementation:** Built using React Context API for centralized cart state management, ensuring seamless data sharing across components.
- **Features:** Users can add items, update quantities, and remove products, with real-time updates to totals and visual feedback (e.g., toast notifications).
- **Responsive Design:** Optimized for all devices, ensuring a consistent user experience.
- **Future Plans:** Integrate cart syncing across devices for logged-in users and persistent storage for guest users.

Your Cart




Amber Haven \$150 3 Total: \$450.00 


[Continue Shopping](#)

Order Summary

Subtotal	\$450.00
Tax	\$45.00
Shipping	\$0.00

Total **\$495.00**

 [Proceed to Checkout](#)

 Free shipping on orders over \$100

Checkout

- **Importance:** The Checkout Page is crucial for completing purchases, ensuring a smooth and secure transaction process.
- **Implementation:** Displays cart summary, total price, and payment details, with validation to ensure all required information is provided.
- **Features:** Includes fields for shipping details, payment options, and order review, with real-time updates to order totals.
- **State Management:** Uses React Context API to fetch cart details and finalize orders.
- **Future Plans:** Add payment gateway integration and order confirmation notifications.

Billing Address

full name:

Mr You

email:

you@you.com

address :

Apartment-Street-suit

city :

Hyderabad

state :

Pakistan

zip code :

71000

Payment

cards accepted :



name on card:

Mr You

credit card number :

0000-1111-2222-3333

expiry month :

mm/dd/yyyy



CVC :

123

PROCEED TO CHECKOUT

Pagination

- **Importance:** Enhances navigation by dividing product listings into manageable pages, improving user experience and page load times.
- **Implementation:** Built with dynamic data handling to fetch and display products for the current page.
- **Features:** Includes next/previous buttons and clickable page numbers, with active page highlighting for better usability.
- **Responsive Design:** Optimized for seamless navigation across all screen sizes using Tailwind CSS.
- **Future Plans:** Add options to adjust the number of products displayed per page and infinite scroll functionality.



Bed
furniture
\$30 \$250



Wood Chair
furniture
\$10 \$100



Retro Vibe
furniture
\$0 \$340



The Lucky Lamp
furniture
\$0 \$200



Search bar

- **Importance:** The Search Bar allows users to quickly find products by name, category, or keywords, improving the overall user experience.
- **Implementation:** Integrated with dynamic filtering to display relevant results as users type, with a debounce mechanism to optimize API calls.
- **Features:** Displays search suggestions and instantly updates product listings based on user input.
- **Responsive Design:** Adapted for mobile and desktop, ensuring smooth interaction on any device.
- **Future Plans:** Enhance with advanced filters (e.g., by price, rating) for more precise searches.

