

MARKET PLACE E-COMMERCE WEBSITE

HACKATHON-3 DAY 4

PROJECT DOCUMENTATION: FURNITURE

MARKET PLACE

This project was developed during a hackathon and represents a modern furniture marketplace. It incorporates cutting-edge web development technologies, delivering both functionality and a sleek, contemporary design.

Key features include:

- 1. Product Listing: A comprehensive display of available furniture items.*
- 2. Detailed Product Pages: Individual product detail pages implemented with dynamic routing.*
- 3. Add-to-Cart Functionality: Users can seamlessly add items to their cart for purchase.*
- 4. Category Filtering: A robust category filter allows users to sort and view products efficiently.*

This marketplace combines advanced technology with user-friendly design to create an engaging and efficient shopping experience.

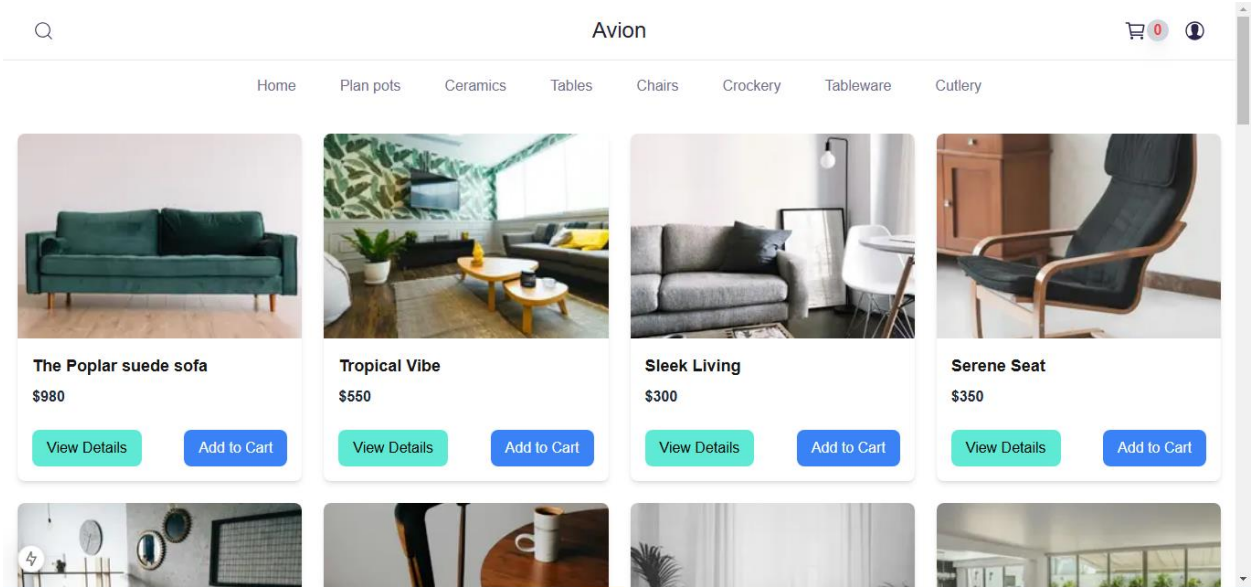
Technologies Used

- 1. Next.js 15: A powerful full-stack framework designed for modern web applications, offering server-side rendering, static site generation, and seamless performance optimization.*
- 2. TypeScript: A type-safe, robust programming language that enhances code reliability and maintainability.*
- 3. Tailwind CSS: A utility-first CSS framework that simplifies styling with pre-defined classes for rapid and responsive design development.*
- 4. Redux Toolkit: A state management library optimized for large-scale projects, providing a structured approach to managing complex application states.*

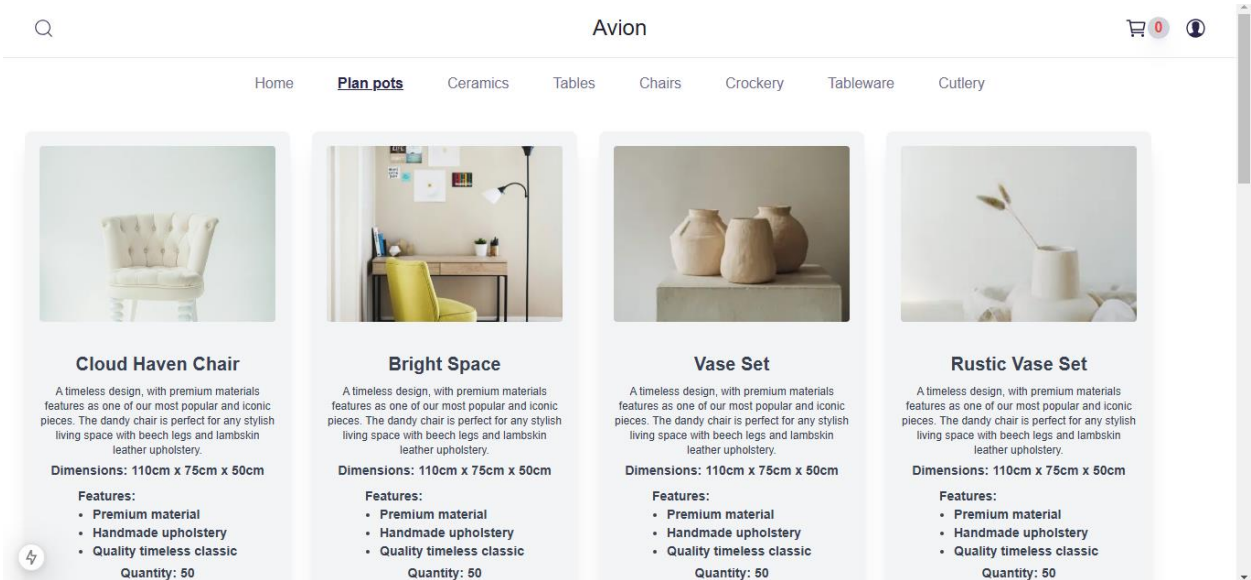
This combination of technologies ensures a scalable, efficient, and high-performing application tailored for modern development needs.

Features

1. **Dynamic Product Listing:** Products are dynamically displayed across all pages for seamless browsing.



2. **Category Pages:** Dedicated pages for each category showcasing category-specific products to enhance navigation and user experience.



3. **Detailed Product Pages:** Each product has a dedicated page displaying its dimensions, features, and detailed descriptions.



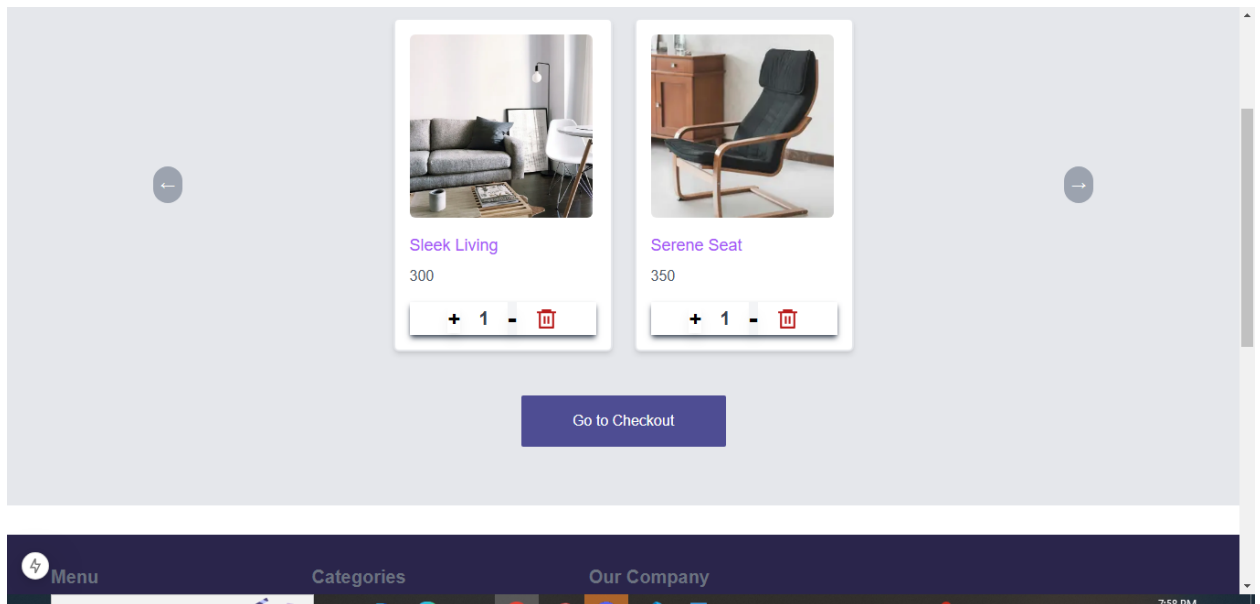
Sleek Living

A timeless design, with premium materials features as one of our most popular and iconic pieces. The dandy chair is perfect for any stylish living space with beech legs and lambskin leather upholstery.

\$300

Dimensions:
75cm x 110cm x 50cm

4. **Add-to-Cart Functionality:** Users can easily add products to their cart for a smooth and intuitive shopping experience.



5. **Fully Responsive Design:** Optimized for all screen sizes, ensuring a consistent and user-friendly experience on desktops, tablets, and mobile devices.

Project Setup and Workflow

1. **Data Migration:** Data was migrated from the API to Sanity, ensuring a centralized and manageable data source.

2. **Data Fetching:** The data was then fetched from Sanity and dynamically displayed on the user interface.
3. **State Management:** The application's state was efficiently managed using a robust state management solution to ensure smooth functionality.
4. **Add-to-Cart Functionality:** Finally, the add-to-cart feature was implemented, allowing users to seamlessly add products to their shopping cart.

Future Improvements

1. **Payment Gateway Integration:** Implementing a secure and reliable payment gateway for seamless transactions.
2. **User Authentication:** Adding robust user authentication to ensure secure access and personalized experiences.
3. **User Dashboard:** Developing a dedicated user dashboard for managing orders, profiles, and preferences.
4. **Shipping Engine:** Integrating a shipping engine to streamline order tracking and delivery logistics.