

Overview:

Today, I worked on creating dynamic components for the Avion website, focusing on product listings, including chairs, stools, and sofas. I integrated real-time data fetching and added pagination for smooth navigation. I also built category filters for easy product sorting. The design is responsive, ensuring a great shopping experience on both desktop and mobile.

Objective:

- Build a dynamic frontend for an e-commerce marketplace.
- Implement pagination, category and responsive design.

Features Delivered:

- Product listing with pagination.
- Category filters for dynamic product segmentation.
- Responsive and reusable components.

Fetching Product Data:

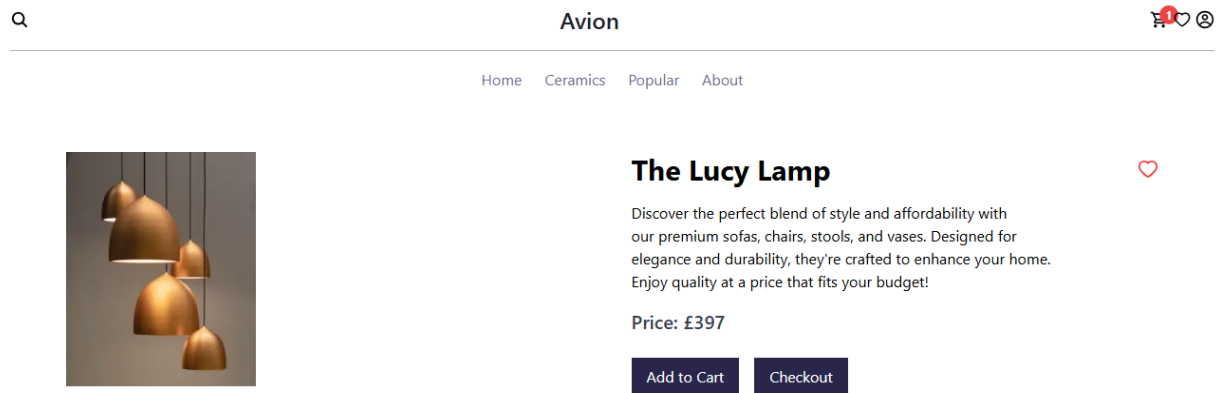
Product Listing Page (Dynamic Data):

- The product listing page is designed to dynamically fetch and display products. The data is fetched in real-time, which ensures the content stays updated without the need for manual changes.
- Product Details: The page displays important information such as product titles, prices, and images fetched dynamically.
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Dynamic Page:

- Each product has its own page that is dynamically generated using Next.js.

- The page content (title, price, description, images) is fetched from the Sanity CMS or other backend sources based on the product's unique identifier (ID).
- This ensures that when a user clicks on a product, they are shown real-time data specific to that products.



What We Learned from This Project?

- **Dynamic Data Handling:** We gained valuable skills in working with dynamic data fetching and routing, making our application flexible and responsive to data change.
- **User Experience Enhancements:** By adding features like search, filters, pagination, and related products, learned how to improve the usability and overall experience for customers.
- **Frontend Optimization:** We learned how to implement pagination and lazy loading to optimize the performance of the frontend, making sure pages load faster and handle large datasets efficiently.
- **Responsive Web Design:** We explored how to build responsive web pages using Tailwind CSS, ensuring that the website looks great on any device, which is crucial for modern web development.

Conclusion:

In conclusion, the **Avion** website offers a dynamic a responsive e-commerce platform, featuring an attractive selection of chairs, stools, and sofas. By integrating product listings, category and pagination, it provides an intuitive shopping experience. The website's design ensures

accessibility on all devices, and its modular components are built for future scalability, creating a seamless and efficient platform for users explore and purchase stylish furniture.