

Urban Loom

Technical Marketplace Document By **Ayesha Mughal**

Website Requirements :

The **Urban Loom** website requires a responsive frontend built with **Next.js** to ensure seamless user interaction, a robust backend powered by **Sanity CMS** for managing products and orders, and integration with **Third-party APIs** for payment processing and shipment tracking. These components collectively provide a modern and efficient platform for customizable furniture.

1. Frontend Requirements :

- **Interactive Product Customization:** Users will have the option to customize furniture pieces—size, color, material, etc.
- **Responsive Design:** The website will work well on both mobile and desktop devices.
- **Sustainable Themes:** Use of eco-friendly designs and colors that align with your brand identity.
- **Smooth Navigation:** Easy-to-use navigation for a seamless shopping experience.
- **Visual Product Previews:** Real-time previews of customized furniture to help users visualize their choices.

2. : Sanity CMS :

- Sanity CMS serves as the core backend for **Urban Loom**, acting as a centralized database for all critical data:
 - **Product Details:** Information such as name, price, stock level, and descriptions.
 - **Customer Records:** User profiles, registration data, and past orders.
 - **Order Management:** Real-time updates of placed orders and their statuses.

- Sanity's API-first approach ensures seamless data synchronization between the backend and frontend.

3. Third-Party APIs :

- **Urban Loom** integrates external APIs for the following **purposes** :
- **Shipment Tracking:** Ensures customers can track their orders in real time through a reliable logistics API.
- **Inventory Updates:** Real-time inventory updates to prevent overselling.
- **Additional Services:** Such as integration with analytics tools for business insights.

Thanks For Viewing
