Furniture Marketplace Project Overview (Days 1–6)

Day 1: Conceptualization and Design

Defined the platform for small businesses to buy/sell furniture.

Designed database schema: Products, Orders, Customers, Delivery Zones.

Day 2: Technical Planning

Tech Stack: Next.js (Frontend), Sanity CMS (Backend), MongoDB (Database), ShipEngine (API), Stripe (Payment).

Deployment: Frontend on Vercel, Backend on AWS Lambda.

Day 3: Data Migration

Migrated Sanity CMS data to Next.js using GROQ queries.

Dynamically fetched and displayed products on the homepage.

Day 4: Dynamic Frontend Components

Built dynamic product listings with sorting, and pagination.

Created reusable component ProductCard.

Day 5: Testing & Refinement

Conducted functional, performance, and security testing.

Detailed CSV testing report; optimized performance and accessibility.

Day 6: Deployment & Staging

Deployed to Vercel with GitHub.

Set up a staging environment for testing, verified functionality and security.

Created documentation and organized GitHub repository.

Conclusion The Furniture Marketplace project successfully transitioned from conceptualization to deployment, ensuring seamless user experience with a robust tech stack, comprehensive testing, and staging validation. Next steps include resolving any issues in staging, monitoring live performance, and scaling for advanced features.