From Day 1 to Day 6: Laying the Foundation for the Future of Furniture Shopping

Hekto: Building the Future of Furniture Shopping

This timeline chronicles the structured approach taken from Day 1 to Day 6 in the development of a furniture marketplace. Each phase was meticulously planned to ensure the marketplace not only meets business goals but also delivers a seamless, user-friendly experience with a strong technical backbone.

Day 1: Foundation

Achievements:

- Chose the E-Commerce marketplace type that fits the project's vision.
- Defined business goals clearly, targeting a specific audience and offering unique selling points such as affordability, speed, and customization.
- Designed a comprehensive data schema to document key entities like Products, Orders, Customers, and Delivery Zones, establishing solid relationships between them.

Day 2: Technical Planning

Achievements:

- Defined all technical requirements to meet the marketplace's business goals.
- Designed the system architecture, ensuring robust handling of the business logic and seamless performance.
- Established the API requirements, creating a clear blueprint for data communication and flow.
- Documented everything with detailed technical documentation, ensuring smooth collaboration and development.

Day 3: API Integration

Achievements:

- Gained a clear understanding of the provided APIs for handling data and ensured the design met all requirements.
- Validated and fine-tuned the data schema, adjusting it as necessary to better fit the API and the project's needs.
- Planned API integration with Next.js, focusing on ensuring smooth communication between the frontend and backend, with solid error handling mechanisms.

Day 4: Frontend Components

Achievements:

- Built essential dynamic frontend components such as:
  - Product Listing to display available products.
  - Cart Component to manage purchases.

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- ○ Search Bar to allow users to search products easily.
  - ○ Checkout Flow to guide users through the payment process.
  - ○ Wishlist to let users save products for future purchases.
- Created additional components for category views, user profiles, reviews and ratings, and notifications to enhance user experience.

Day 5: Testing

Achievements:

- Conducted functional testing to ensure all features and functionalities worked as expected.
- Performed performance testing to ensure the site's scalability and speed, optimizing it for better performance.
- Ensured cross-browser and device compatibility for a seamless user experience across different platforms.
- Implemented security testing and protect the platform from vulnerabilities.
- Updated and improved documentation based on testing results to reflect the current project state.

Day 6: Deployment Preparation

Achievements:

- Set up a staging environment to simulate the live environment for real-world testing.

- Configured environment variables to ensure secure and flexible settings for the application.
- Deployed the marketplace to staging, thoroughly testing it in this environment to ensure everything functioned as expected.
- Updated deployment documentation to guide the final steps toward production deployment.

Overall Summary

From Day 1 to Day 6, the project involved thorough planning, technical design, and development, ensuring the marketplace is both reliable and user-friendly. These foundational steps have set the stage for successful deployment and future growth.

Personal Reflection

Building Hekto, my E-Commerce site, was an incredibly rewarding experience. I applied and enhanced skills across business planning, technical design, and development. Seeing the project come together was particularly satisfying, and every challenge provided valuable learning opportunities. I look forward to refining and expanding the platform further.

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