Hackathon 3 Day 2: Planning the Technical Foundation

1. Define Technical Requirements

Identify the tools and frameworks for the project:
- Frontend: Next.js, Tailwind CSS.
- Backend: Node.js or Sanity for CMS.
- Deployment: Vercel.
- Other Tools: GitHub for version control.

2. Design System Architecture

Map the project architecture:
- Frontend: React components with Next.js App Router for routing.
- Backend: Sanity for managing product data.
- Database: Sanity schema for storing product categories, inventory, and user data.
- APIs: REST or GraphQL endpoints for dynamic data fetching.

Prepared by Summiya Ashraf

3. Plan API Requirements
Outline key APIs and their purposes:
- Products API: Fetch product details (name, price, description, images).
- Category API: Retrieve categories for filtering.
- User API: Manage user authentication and orders.
- Search API: Provide functionality to search for furniture by keywords.

4. Write Technical Documentation
Document all planning details:
- System Flow: How users interact with the site (browse, filter, checkout).
- Endpoints: List API routes and expected responses.
- Error Handling: Define strategies for managing API errors.

5. Collaborate and Refine
Engage with teammates or mentors:
- Review the planned architecture and APIs.
- Adjust based on feedback for improved functionality and scalability.