Day-6

Deployment Preparation and Staging Environment Setup

"Cozywood Creations"

Complete day 1 to 6 Overview

➤ **Day -1**
- o **Marketplace design:**
  - ▪ **Define Marketplace Type**: Determined the type of e-commerce platform.
  - ▪ **Business Goals**: Established objectives for growth and user experience.
  - ▪ **Products & Services**: Identified the product categories and services offered.
  - ▪ **Data Schema Design**: Created data models and relationships for products and categories.

➤ **Day-2**
- o **Technical Planning:**
  - ▪ **Tech Stack**:
  - ▪ Frontend: Next.js, Tailwind CSS for styling.
  - ▪ Backend: Sanity CMS.
- o **API Requirements**:
  - ▪ Product management endpoints: `/product`, `/product/[id]`.
- o **Deployment Plan**:
  - ▪ Planned Desplyment on Vercel for streamlined hosting and performance.

➤ **Day-3**
- o **Data Migration & integration in sanity:**
  - ▪ Migrate provided API in sanity project
  - ▪ Data from sanity CMS was migrate to nextjs projects.
  - ▪ Products schema included fields for title , slug, description, image, price , and category
  - ▪ Category schema included fields for title slug, images
  - ▪ Fetch and displayed data dynamically throughout the website

➢ **Day-4**

- o **Building Dynamic frontend components**
  - ▪ **Dynamic product listing**
    - Create a product list components to display furniture items dynamically.
    - Create new arrival components
    - Create related products components
    - Product detail page
    - Category dynamic page
    - Add to card
    - Add to wish list

➢ **Day-5**

- o **Testing of functionality :**
  - ▪ Verified wokflows like product listing, categories, cart operations
  - ▪ Used lighthouse to analyze load time and responsiveness
  - ▪ Validate secure API key and HTTPS implementation
  - ▪ Create CSV file For testing repo

➢ **Day-6**

- ○ **Deployment Strategy**
  - ▪ Hosted my e-commerce on versel for quick deployment
  - ▪ Integrated Github repository
- ○ **Environment Variables**

  - • Secured sensitive environment variables (e.g., API keys, database credentials) within the hosting platform.
  - • Implemented different environment variables for staging, development, and production to maintain isolation.

➢ **Conculsion:**

- ○ Over the course of six days, the **CozyWood Creations** marketplace evolved from an initial concept to a fully deployed e-commerce platform. The project encompassed comprehensive planning, dynamic component development, rigorous testing, and efficient deployment strategies. This journey has solidified foundational skills in e-commerce development and deployment best practices.