Day 6 - Deployment Preparation and Staging Environment Setup – Elite Market

Day 6 Presentation: Completion and Deployment

Project Name: Elite Market

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1. Objectives

- **Goal:**
  Successfully deploy the e-commerce website and ensure all features are functional.

- **Main Deliverables:**
  - Push final code to GitHub.
  - Deploy the project to Vercel.
  - Ensure all e-commerce features (product display, cart, checkout, etc.) are functioning properly.

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2. Final Codebase

- **Overview of GitHub Repository:**
  - **Repository Name: Elite_Market_Web_Project_Hachathone2025**
  - **Branch:** main

  - **Key Updates in Code:**
    - E-commerce product pages with product details.
    - Shopping cart and checkout flow.
    - API routes for product management and cart functionality.
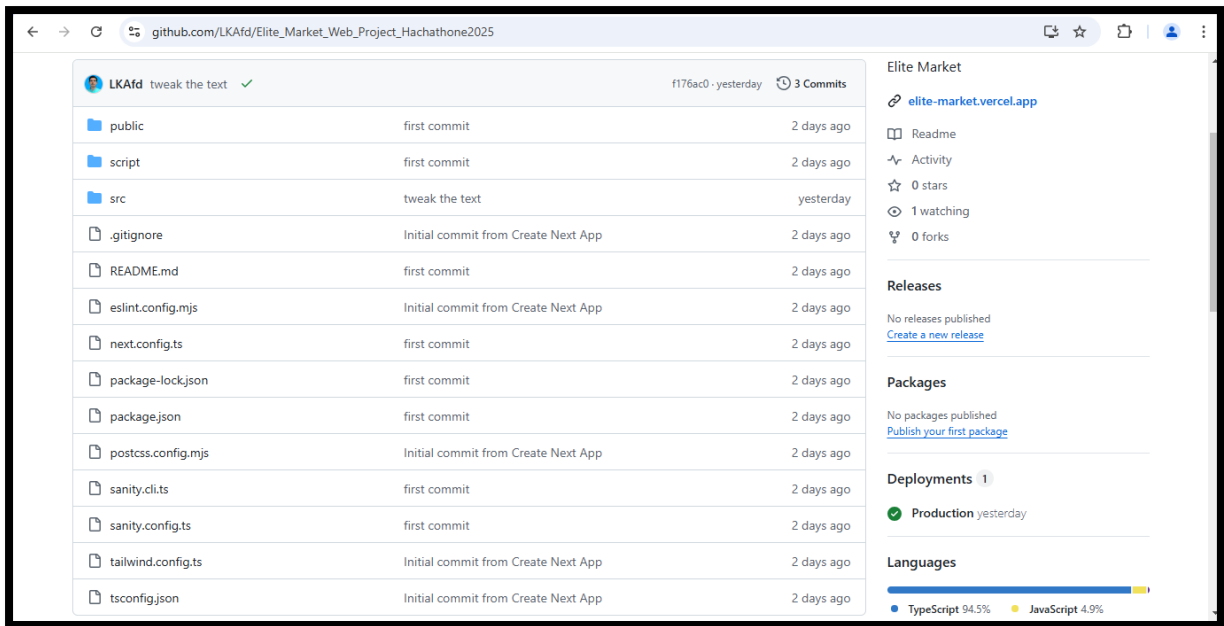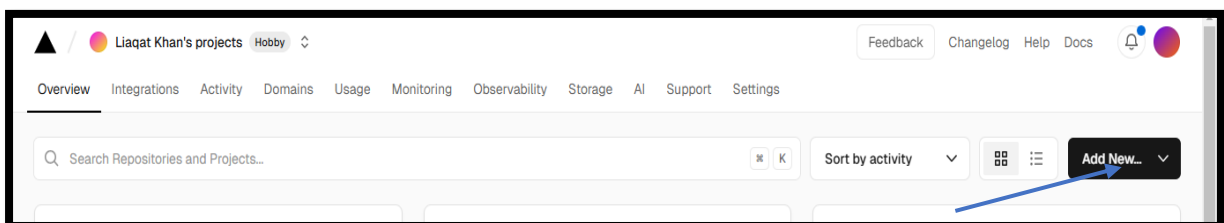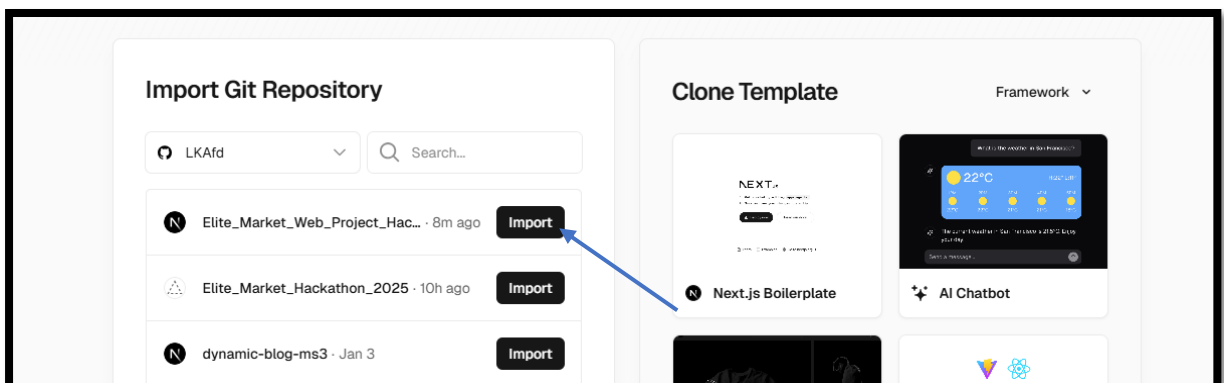
3. Deployment on Vercel

- **Platform Details:**
  - ➤ **Hosting Service:** **Vercel**.
  - ➤ **Deployment URL:** https://elite-market.vercel.app/

- **Steps Followed:**
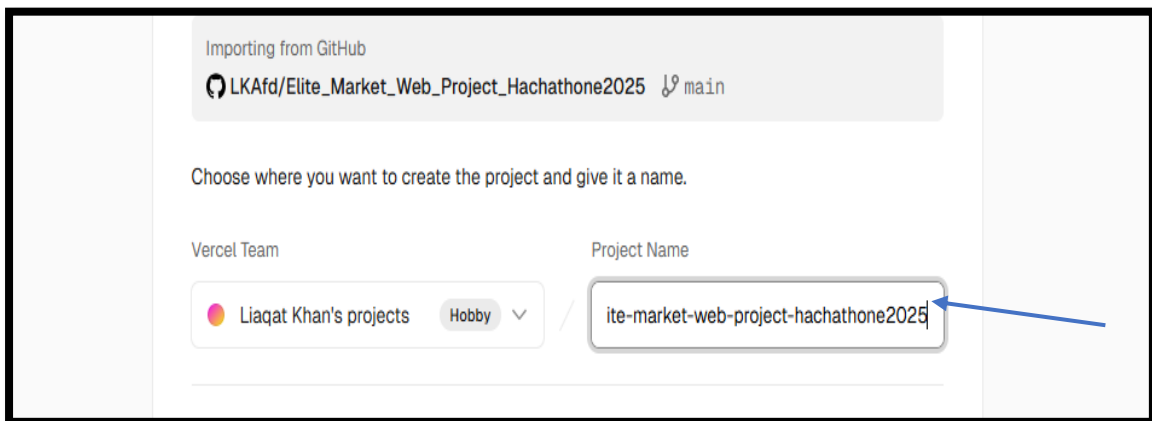 1. After Login to Vercel, click on Add New project

  2. Linked GitHub repository to Vercel and click on import.
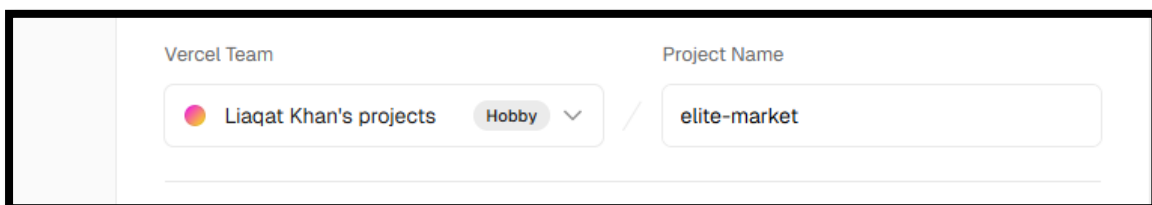
3. Rename your project

4. Configured environment variables on Vercel (if any).
   ➢ Open your .env file.
   ➢ Select Variables (press ctrl+A) and Copy (ctrl+C)
   ➢ Then paste (ctrl+V) environment variables on Vercel
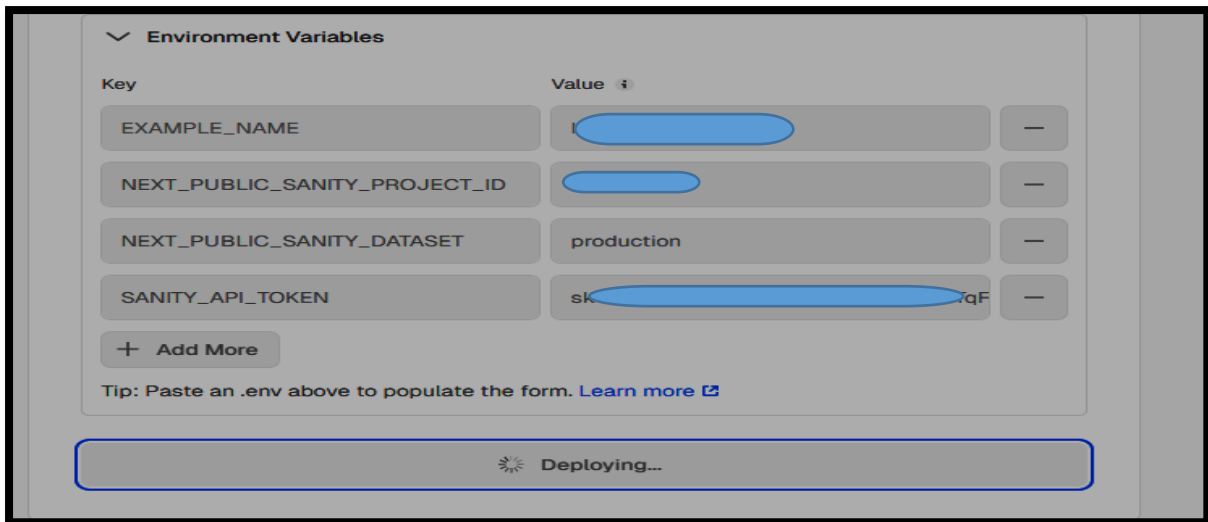
5. Triggered build and deployed the project.
   https://elite-market.vercel.app/
6. Go to Sanity.io
   ➢ Open your project and Add CORS origin
   ➢ https://elite-market.vercel.app
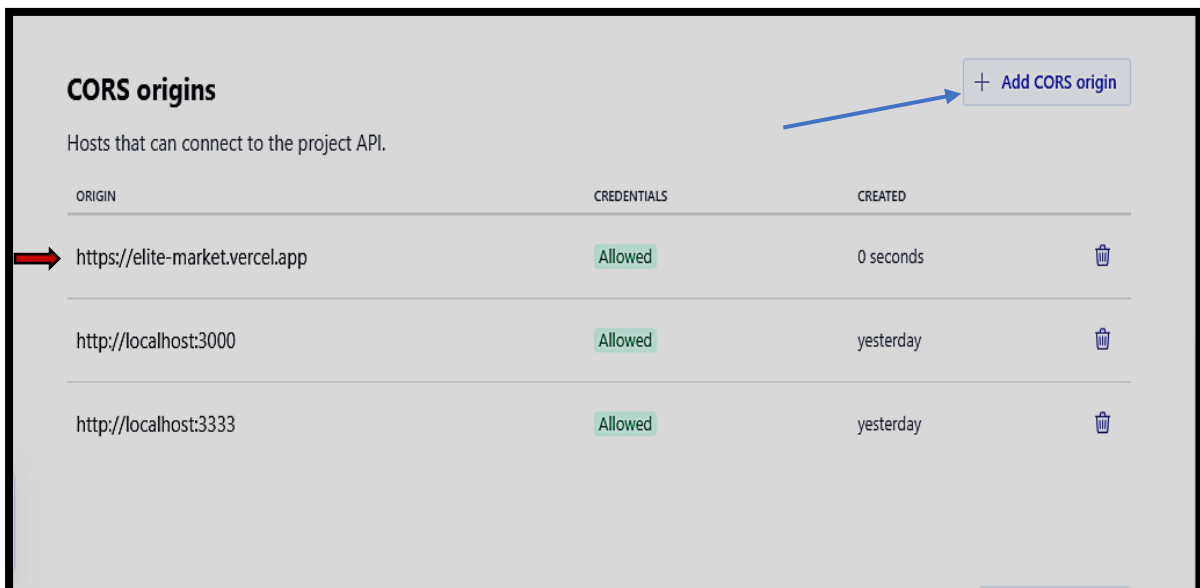
4. Key Features Demonstration

- ## Product Pages:
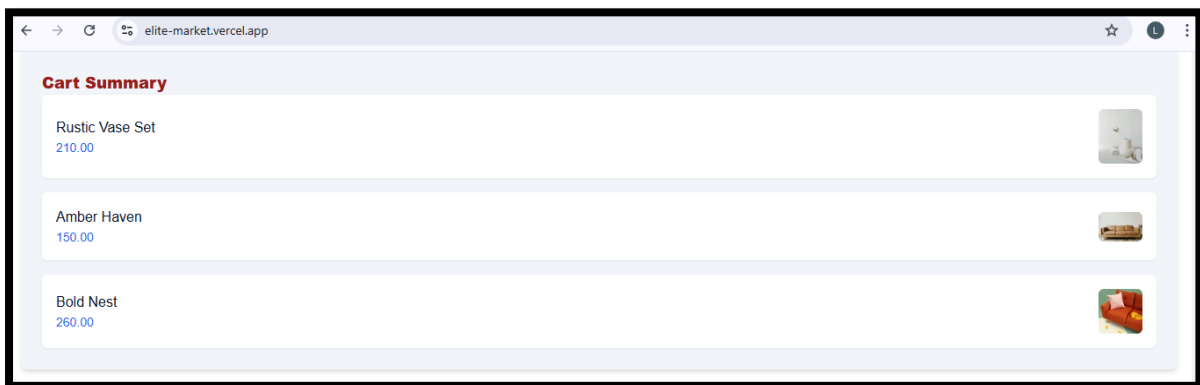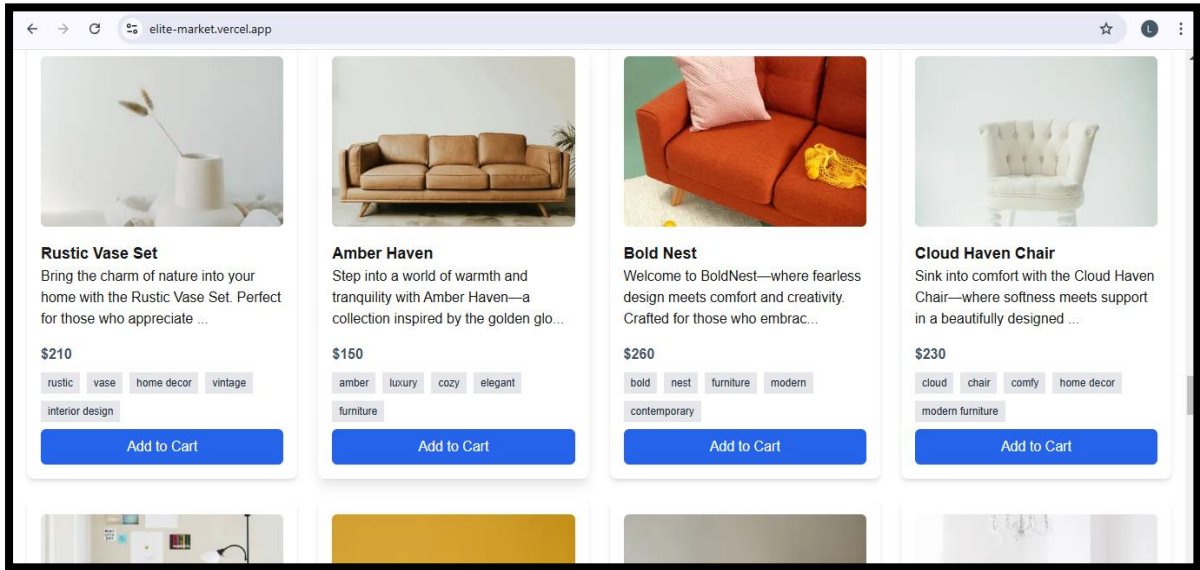 ➢ Products are displayed with images, descriptions, and prices.
  ➢ Users can view product details by clicking on each item.

- ## Shopping Cart and Checkout:
  ➢ Cart functionality to add/remove products.
  ➢ Checkout process integrated with payment options.

- **Responsive Design:**
  - Website displays well on both desktop and mobile.

5. Testing and Verification

- **Approach:**
  - Tested the cart functionality by adding/removing products.
  - Verified checkout process with sample payment gateway (if implemented).
  - Ensured product pages display correctly on mobile and desktop.

- **Results:**
  - No critical bugs or issues.
  - Smooth user experience from product selection to checkout.

6. Lessons Learned

- **Key Takeaways:**
  - ➢ Importance of smooth user experience in e-commerce platforms.
  - ➢ Handling state management for the shopping cart effectively.
  - ➢ Ensuring a responsive design for a wide range of devices.

- **Challenges Overcome:**
  - ➢ Integrating the checkout flow with a real or simulated payment system.
  - ➢ Debugging cart issues across different devices.

7. Next Steps

- **Future Improvements:**
  - ➢ Implementing real payment gateway integration.
  - ➢ Adding user authentication for account management.
  - ➢ Enhancing the product filtering and sorting options.

- **Long-Term Plans:**
  - ➢ Add product reviews and ratings.
  - ➢ Introduce discount codes and promotions.

Acknowledgments