

Day 6 - Deployment Preparation and Staging Environment Setup :

Step 1: Hosting Platform Setup

1.1 Choose a Platform

- I chose **Vercel** for deploying my website due to its seamless integration and ease of use.

1.2 Connect Repository

- Logged into **Vercel** using my **GitHub** account.
- Linked my repository to **Vercel** for automated deployment.
- Configured the build settings and ensured the necessary scripts were in place for smooth deployment.
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Step 2: Hosting Platform Setup

2.1 Using .env.local for Development :

I created a .env.local file and added sensitive data such as

NEXT_PUBLIC_API_TOKEN=your_api_token

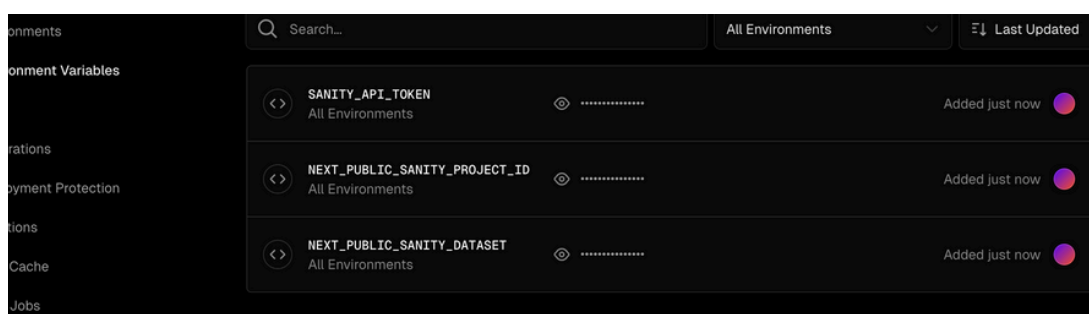
NEXT_PUBLIC_PROJECT_ID=your_project_id

NEXT_PUBLIC_DATASET=your_dataset

The .env.local file is added to .gitignore to prevent exposing sensitive data in the repository.

2.2 Configuring Environment Variables in Vercel :

- Since .env.local is ignored in Git, so I manually added the same environment variables in the Vercel Dashboard under Project Settings > Environment Variables



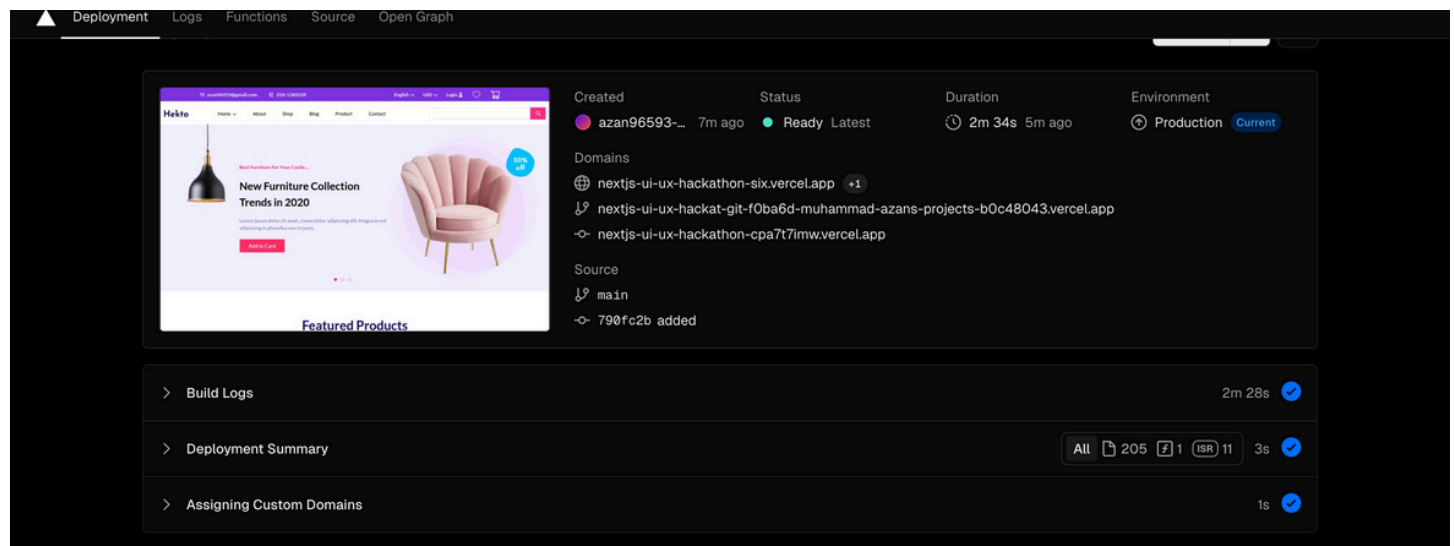
Step 3: Deploy to Staging

3.1 Deploy Application:

- I deployed my website to a **staging environment** using Vercel. I connected my Git repository to Vercel and followed the process to deploy the application directly from GitHub. Vercel automatically created a staging URL (e.g., your-project-name.vercel.app) where I can preview the site in a production-like environment.

3.2 Validate Deployment:

- After deployment, I ensured that the **build process completed successfully** without any errors on Vercel.



- I verified the **basic functionality** of the website on the staging environment by visiting the provided staging URL and ensuring the site loads correctly and behaves as expected.

• Step 4: Staging Environment Testing :

4.1 Testing Types :

- **Functional Testing:**

Verified the functionality of all key features, including:

- **Product Listing:** Ensured that all products are listed correctly and visible to users.
- **Cart Operations:** Checked adding and removing items from the cart, as well as updating quantities.

- **Add to Wishlist:** Verified that products can be added and removed from the wishlist.
- **Product Details Component:** Ensured that the correct product details, including descriptions and images, are displayed.
- **Color Selection:** Tested the color selection feature to confirm that the correct color variant is added to the cart for each product.

4.2 Test Case Reporting :

After staging deployment I have cross check all the major functionality

1	Test Case Id	Test Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Remarks
2	T01	Checking ProductList Page	Navigate to ProductList > Verify Products	Products displayed Correctly	Products displayed Correctly	PASSED	LOW	NO ERROR FOUND
3	T02	Checking Cart Functionality	Navigate to shoppingCart > Add Items & Remove Items from the cart	products add and delete perfectly	same as expected result	PASSED	LOW	NO ISSUE FOUND
4	T03	Checking WishList Functionality	Navigate to wishlist > Add Items & Remove Items from the wishList	products add and delete perfectly	same as expected result	PASSED	LOW	NO ISSUE FOUND
5	T04	Testing website on differ browsers	tested on firefox / safari / Google / Brave / Edge	website works perfectly fine	website works perfectly fine	PASSED	LOW	NO ISSUE FOUND
6	T05	Testing responsiveness	tested responsiveness on mobile / tablets / desktops / laptops	Excellent Responsivness	Excellent Responsivness	PASSED	LOW	NO ISSUE FOUND
7	T06	Testing Product details page	Navigate to ProductList > click view Item > re-direct to product details pg	Product displayed will all details	Product displayed will all details	PASSED	LOW	NO ISSUE FOUND
8								
9								

4.3 Test Case Reporting :

