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

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2.1 Using .env.local for Development :

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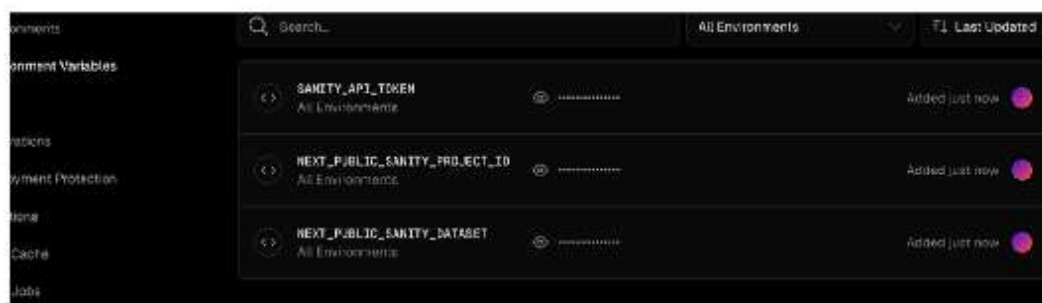
NEXT_PUBLIC_API_TOKEN=your_api_token

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
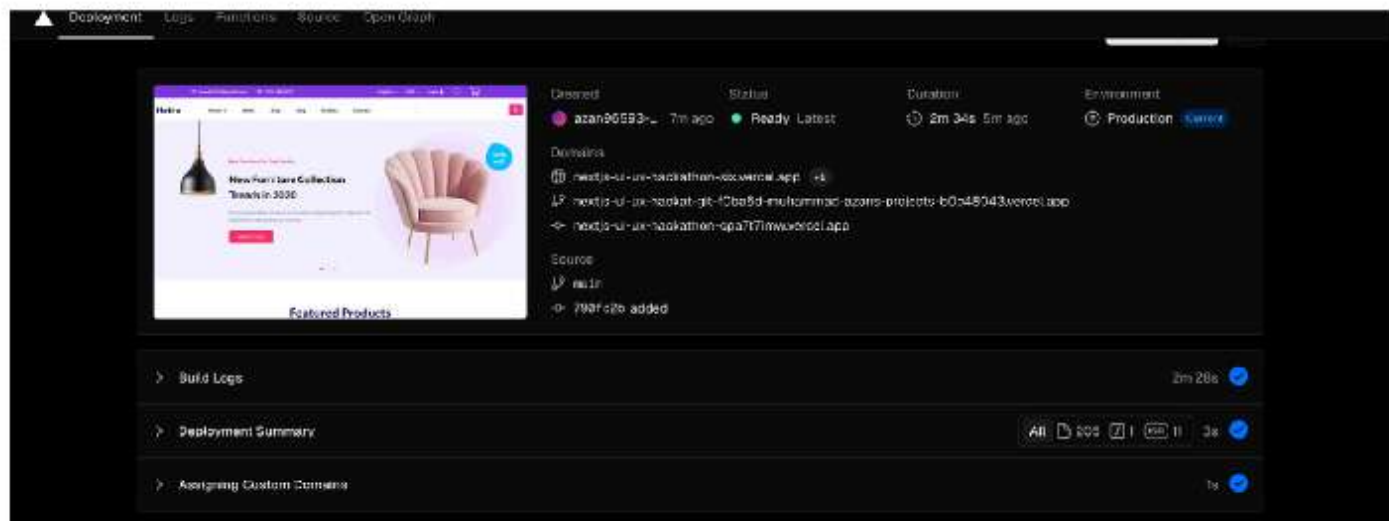
Step 3: Deploy to Staging

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.

4.2 Test Case Reporting :

After staging deployment I have cross check all the major functionality

	Test Case id	Test Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Remarks
	TC1	Checking Product List Page	Navigate to Product url > Verify Products	Products displayed Correctly	Products displayes Correctly	PASSED	LOW	NO ERROR FOUND
	TC2	Checking Cart Functionality	Navigate to shopping Cart > Add items & Remove Items from the cart	products cart and delete perfectly	same as expected result	PASSED	LOW	NO ISSSUE FOUND
	TC3	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 ISSSUE FOUND
	TC4	Testing website on different browsers	tested on firefox / safari > Google / Brave > Edge	website works perfectly fine	website works perfectly fine	PASSED	LOW	NO ISSSUE FOUND
	TC5	Testing respoariveness	tested responsiveness on mobile / tablet / desktops / laptops	Excellent Responsiveness	Excellent Responsiveness	PASSED	LOW	NO ISSSUE FOUND
	TC6	Testing Product details page	Navigate to Product url > click view to to > in a real ro product details.jpg	Product displayed withat details	Product displayed with all details	PASSED	LOW	NO ISSSUE FOUND

4.3 Test Case Reporting :