# 🚀 Hackathon Day 6:

# Deployment Preparation and Staging and Environment Setup

**Overview :** Day 6 focuses on preparing the marketplace for deployment by setting up a staging environment, configuring hosting platforms, and ensuring readiness for a customer-facing application. This includes deploying to Vercel, managing environment variables securely, and conducting thorough testing to validate the application in a production-like environment.

## Deployment Details:

### 1. Choose a Hosting Platform

We will use Vercel for deploying the application due to its seamless integration with Next.js and ease of use

**Deployment Link :** https://hackathon-e-commerce-theta.vercel.app/

**Repository Link:** https://github.com/faryal16/Hackathon-e-commerce.git

## Step 1: Hosting Platform Setup

### 1. Choose a Hosting Platform

We will use Vercel for deploying the application due to its seamless integration with Next.js and ease of use.

### 2. Link Your GitHub Repository

1. Log in to your Vercel account (or create one if you don't have an account).

2. Click on the "Add New..." button and select "Project".

3. Import your GitHub repository:

○ Authorize Vercel to access your GitHub account if prompted.

○ Select the repository you want to deploy.

## Step2 : Configure Environment Variables

### 1. Add Environment Variables in Vercel

1. Go to your Vercel project dashboard.

2. Navigate to "Settings" > "Environment Variables".

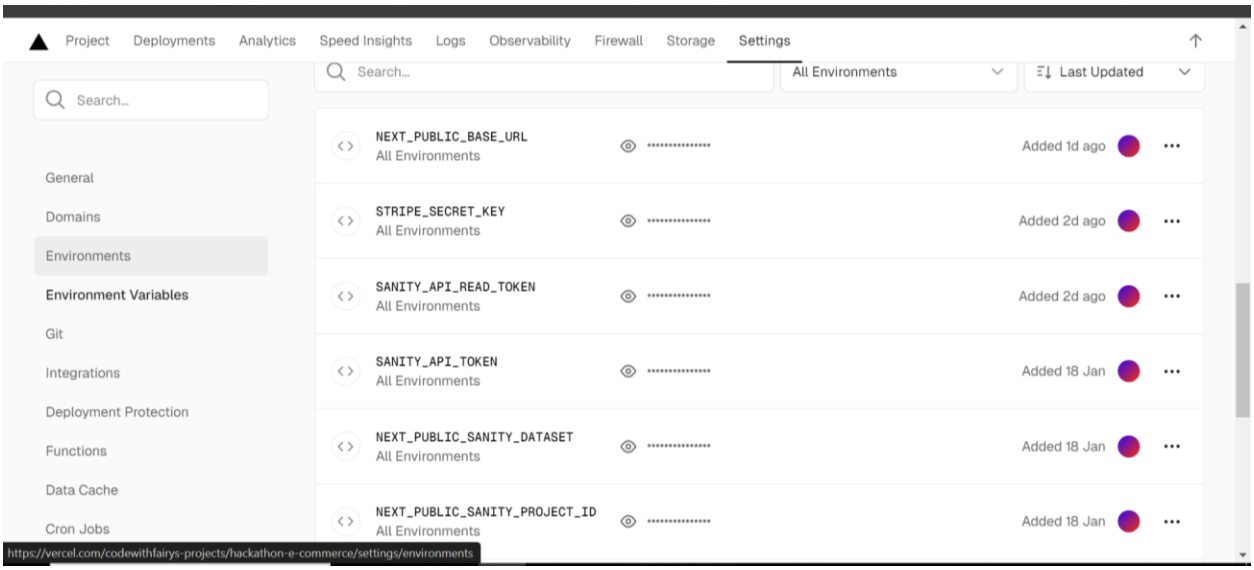
3. Add the necessary environment variables one by one:

4. For example:

NEXT_PUBLIC_SANITY_PROJECT_ID=your_project_id

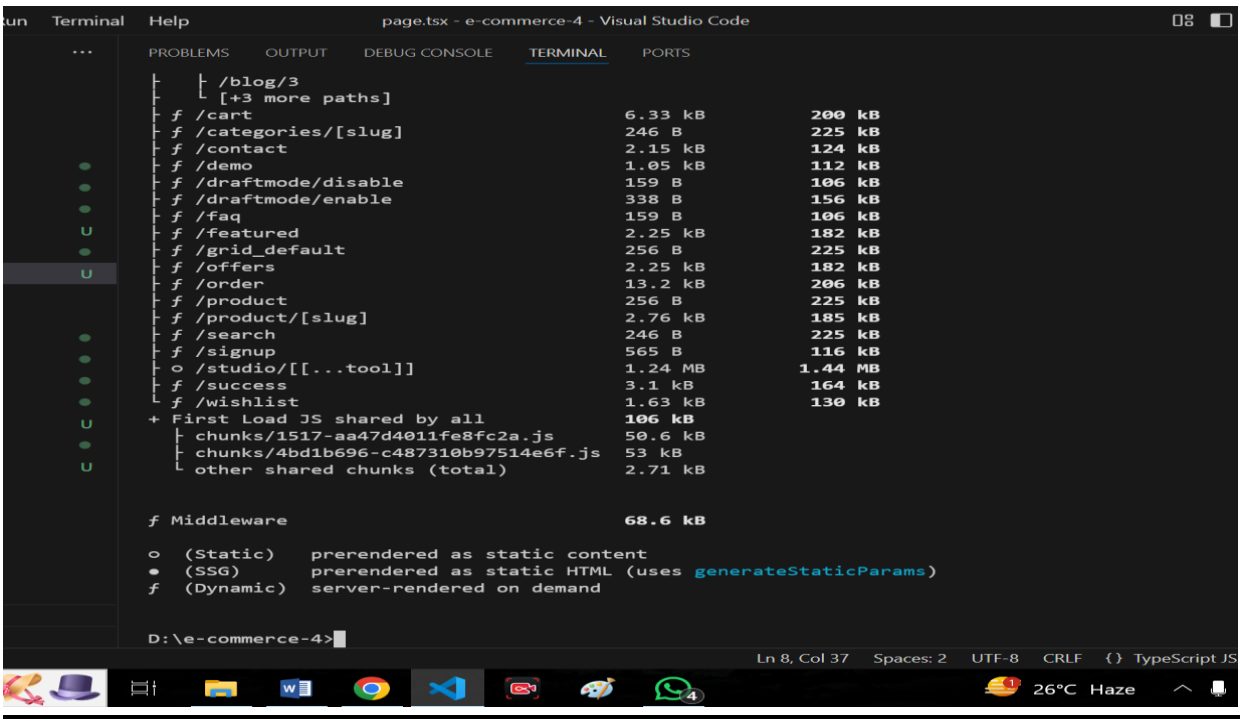
NEXT_PUBLIC_SANITY_DATASET=production

API_BASE_URL=https://api.example.com



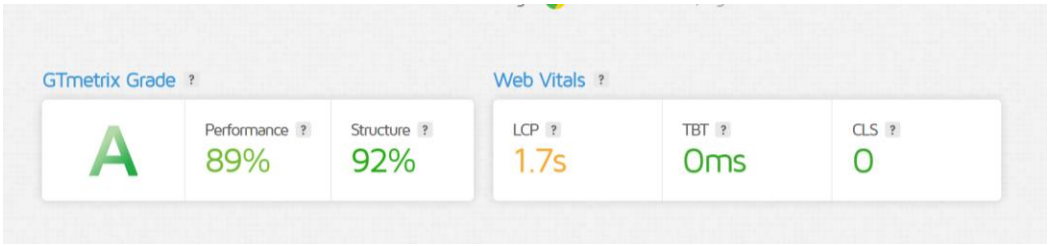

## 3. Test Staging Deployment

1. Deploy the staging branch to the staging environment. 2. Perform all required testing (functional, performance, and responsiveness)3. If successful, promote changes to the production environment by merging the staging branch into main.




## Performance Test Results

- **Tool Used:** GTmetrix
- **Performance Metrics:**




## Conclusion

Day 6 successfully marked the completion of the deployment preparation phase. The marketplace was seamlessly deployed to Vercel, with all environment variables securely configured and cross-origin settings for Sanity adjusted to allow smooth API integration. Testing,

including functionality, performance, and security, ensured that the application is ready for production. The use of GTmetrix provided valuable insights into optimizing performance.