# Day\_6 Deployment Preparation and Staging Environment Setup

# 1. Project Overview

Project Name: Figma Hackathon Project

**Deployment Platform:** Vercel

Live Staging Link: <a href="https://figma-hackathon-inky.vercel.app/">https://figma-hackathon-inky.vercel.app/</a>

**GitHub Repository:** <a href="https://github.com/syedafizza410/figma-hackathon">https://github.com/syedafizza410/figma-hackathon</a>

# 2. Deployment Steps

#### 2.1 Hosting Platform Setup

1. **Selected Hosting:** Vercel (Recommended for Next.js Applications) 2. **GitHub Integration:** 

- o Connected the repository to Vercel.
- o Enabled automatic deployments on push to the main branch.
- 3. Build & Deployment Configuration: o

Framework Preset: Next.js o Build Command: next build o

Output Directory: .next

#### 2.2 Environment Variables Configuration

Uploaded the following environment variables to Vercel:

```
NEXT_PUBLIC_SANITY_PROJECT_ID=your_project_id
NEXT_PUBLIC_SANITY_DATASET=production
API KEY=your api key 2.3
```

### **Deployment Validation**

- Verified build success.
- Checked proper page loading without console errors.

# 3. Testing Reports

## 3.1 Functional Testing

Performed end-to-end functional testing using the uploaded **Test Case Report**. The key tests include:

- Product listing and search functionality.
- Cart operations (Add, Remove, Update Quantity).
- Checkout process validation. 

  Order history management.

#### **Test Case Summary:**

Test Case ID	e Description	<b>Expected Result</b>	<b>Actual Result</b>	Status
TC001	Add to Cart	Product should be added to cart	Product added successfully	✓ Passed
TC002	Remove from Cart	Product should be removed from cart	Product removed successfully	∀     Passed
TC003	Checkout Process	Order should be placed successfully	Order placed successfully	✓ Passed

(Complete test cases available in the uploaded Test Case Report CSV file.)

#### 3.2 Performance Testing

Lighthouse Performance Test was conducted. Key metrics include:

- First Contentful Paint (FCP): 0.7s (Good)
- Largest Contentful Paint (LCP): 1.0s (Good)
- **Speed Index:** 1.2s (Good)
- HTTPS & Security Check: Passed  $\mathscr O$

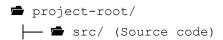
#### **Performance Summary:**

Metric	Score
First Contentful Paint	0.7s
Largest Contentful Paint	1.0s
Speed Index	1.2s
HTTPS & Security ⊗ Pa	assed

(Complete details available in the uploaded Lighthouse Report HTML file.)

# 4. Repository Structure

To maintain a structured repository, the following organization was implemented:



```
    public/ (Static files)

    doc/ (Reports & test cases)

    README.md (Project documentation)
```

## 5. Submission Checklist

Requirement Status

✓ Deployment successful 
 ✓ Completed

✓ Environment variables configured 
✓ Completed 
✓

Test cases documented  $\checkmark$  Completed  $\checkmark$ 

repository structured 

✓ Completed

 $\mathscr{C}$  README.md includes all details  $\mathscr{C}$  Completed

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