

Submission Report: Day 6 - Deployment Preparation and Staging Environment Setup

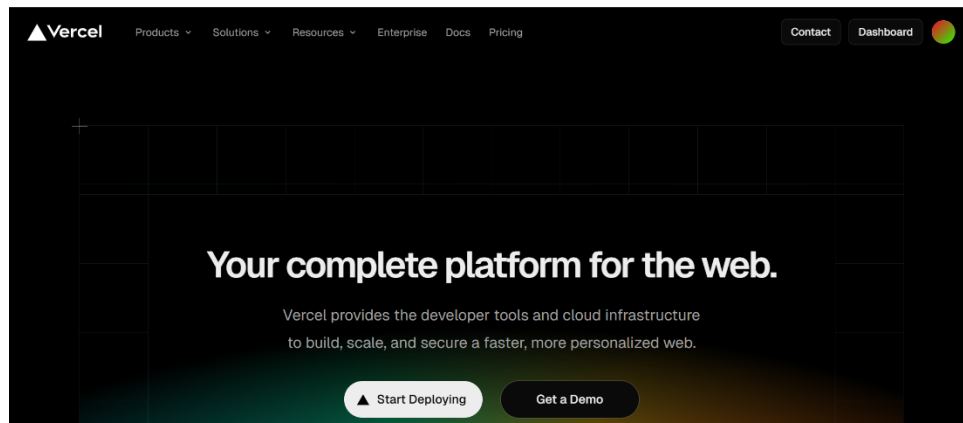
Objective

This report summarizes the activities conducted as part of Day 6, which focused on preparing the application for deployment. Key activities included setting up a staging environment, conducting tests, and organizing documentation for a production-ready application.

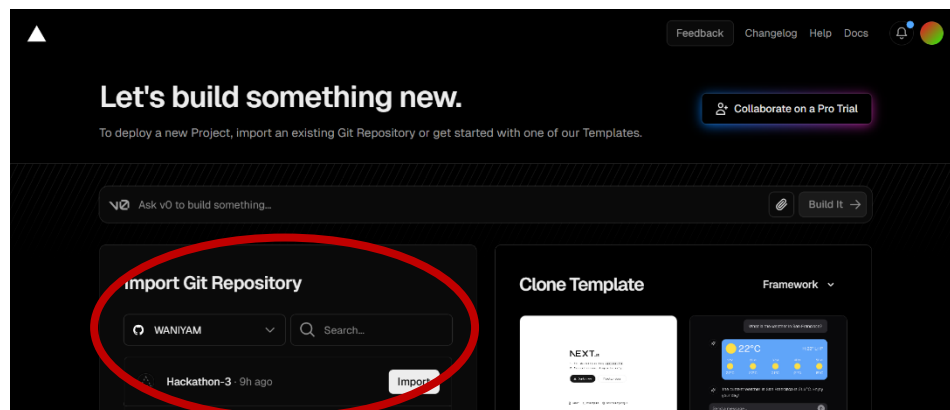
Steps Completed

1. Deployment Preparation

- **Hosting Platform Chosen:**



- **GitHub Repository Connected:**



- **Build and Deployment Configured:**

New Project

Importing from GitHub
WANYAM/Hackathon-3 main

Choose where you want to create the project and give it a name.

Vercel Team: Waniya Mustafa's proje... Hobby
Project Name: hackathon-3-rbg4

Framework Preset: Other

Root Directory: / Edit

Build and Output Settings

Environment Variables

| Key | Value | |
|----------------------------|-----------------|---|
| NEXT_PUBLIC_SANITY_PROJECT | I9JU23NF394R6HH | — |
| NEXT_PUBLIC_SANITY_DATASET | I9JU23NF394R6HH | — |
| API_KEY | I9JU23NF394R6HH | — |

+ Add More

Tip: Paste an .env above to populate the form. [Learn more](#)

Deploy

- **Environment Variables Secured:**

- Variables included:
 - NEXT_PUBLIC_SANITY_PROJECT_ID
 - NEXT_PUBLIC_SANITY_DATASET
 - API_KEY
- Hosting platform's dashboard used for secure upload.

| Key | Value | |
|----------------------------|-----------------|---|
| NEXT_PUBLIC_SANITY_PROJECT | I9JU23NF394R6HH | — |
| NEXT_PUBLIC_SANITY_DATASET | I9JU23NF394R6HH | — |
| API_KEY | I9JU23NF394R6HH | — |

+ Add More

2. Staging Environment Setup

- **Staging Deployment :**

- First I run the command in terminal `npm run build` to see if there is any error or not, once I satisfied, I triggered the deployment by clicking the Deploy button on vercel.

```
C:\Users\HP\OneDrive\Desktop\itclasses\Hackathon-3\business-website>npm run build

> e-commerce@0.1.0 build
> next build

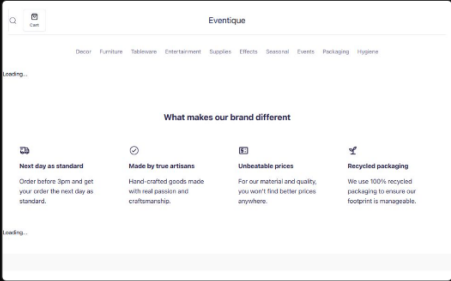
  ▲ Next.js 14.2.23
  - Environments: .env.local

  Creating an optimized production build ...
  ✓ Compiled successfully
  ✓ Linting and checking validity of types
  ✓ Collecting page data
  ✓ Generating static pages (21/21)
  ✓ Collecting build traces
  ✓ Finalizing page optimization

Route (app)                                Size      First Load JS
┌ ○ /                                       1.99 kB    185 kB
├ ○ /_not-found                           880 B      88.7 kB
├ ○ /about                                1.36 kB    131 kB
├ ○ /all                                  1.68 kB    134 kB
├ ○ /auth/login                           167 B      88 kB
├ ○ /auth/signup                           167 B      88 kB
├ ○ /Collection                            1.68 kB    127 kB
├ ○ /contact                               2.07 kB    126 kB
├ ○ /decor                                 1.49 kB    163 kB
├ ○ /effects                               167 B      88 kB
├ ○ /entertainment                         1.49 kB    163 kB
├ ○ /events                               167 B      88 kB
├ ○ /furniture                             1.49 kB    163 kB
├ ○ /hygiene                               167 B      88 kB
├ ○ /packaging                             167 B      88 kB
├ f /product/[slug]                        1.61 kB    174 kB
├ ○ /seasonal                             167 B      88 kB
├ ○ /studio/[...tool]]                     1.27 MB    1.4 MB
├ ○ /supplies                             167 B      88 kB
├ ○ /tableware                             1.49 kB    163 kB
├ + First Load JS shared by all           87.9 kB
├   └ chunks/2117-020e73a00e75ffaa.js     31.8 kB
├     └ chunks/fd9d1056-6b088c1cab5fa890.js 53.6 kB
├       other shared chunks (total)        2.47 kB
└ ○ (Static) prerendered as static content
```

Production Deployment

The deployment that is available to your visitors.



Deployment

hackathon-3-2w07yji88-waniya-mustafas-projects.vercel.app

Domains

hackathon-3-gules.vercel.app +2

Status Created

Ready 12h ago by WANIYAM

Source

main

f75971d business

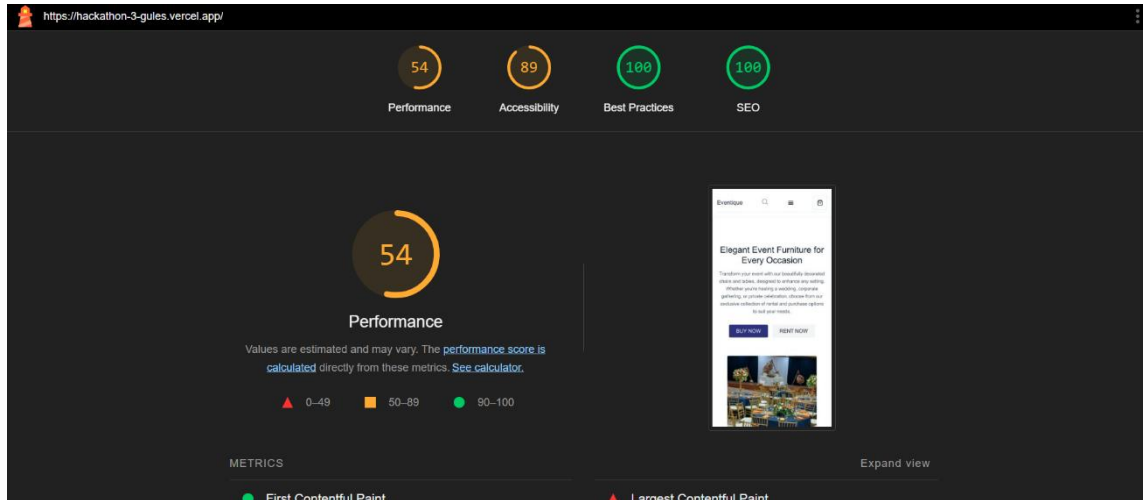
To update your Production Deployment, push to the "main" branch.

Learn More

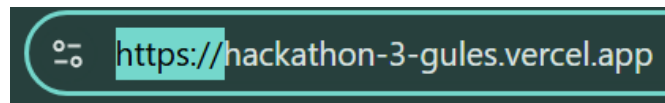
3. Staging Environment Testing

Testing was conducted using the following tools:

- **Functional Testing:** I used **manual testing** to verify features like the product listing page, cart functionality etc.
- **Performance Testing:** I used **Lighthouse** to analyze the app's performance speed and responsiveness.



- **Security Testing:**
 - I validated input fields to ensure there were no vulnerabilities like, confirmed **HTTPS** was enabled, and checked if sensitive data was properly encrypted.



Test Results:

| Test Case ID | Description | Steps | Expected Result | Actual Result | Status | Remarks |
|--------------|----------------------------|--------------------------------|-------------------------|-------------------------|--------|---------------------|
| TC001 | Validate product listing | Open product page | Products displayed | Products displayed | Passed | No issues found |
| TC002 | Test API error handling | Disconnect API > Refresh page | Fallback message shown | Fallback message shown | Passed | Handled gracefully |
| TC003 | Check cart functionality | Add item to cart > Verify cart | Cart updates correctly | Cart updates correctly | Passed | Works as expected |
| TC004 | Test responsiveness layout | Resize browser window | Layout adjusts properly | Layout adjusts properly | Passed | Responsive verified |

Final Review Checklist

| Task | Completed (✓/✗) |
|-----------------------------|-----------------|
| Deployment Preparation | [✓/✗] |
| Staging Environment Testing | [✓/✗] |
| Documentation Updated | [✓/✗] |
| Form Submitted | [✓/✗] |
