Day 6: Preparing for Deployment & Setting Up the Staging Environment

1. Deployment Overview

- **Hosting Service:** Vercel
- **GitHub Repository:** https://github.com/Hudaibkhan/Hackathon-Furniro-E-Commerce-Website.git
- **Staging Site URL:** https://furniro-taupe.vercel.app/

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2. Steps for Environment Setup & Deployment

A. Configuring Hosting on Vercel

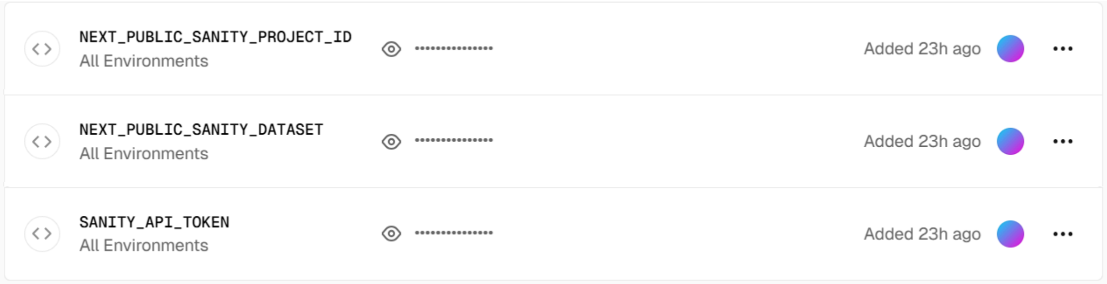
✅ Selected **Vercel** as the hosting platform.
✅ Linked the **GitHub repository** to streamline deployment.
✅ Adjusted **build settings** and added necessary **environment variables** for security.

B. Setting Up Environment Variables

A `.env` **file** was created with the following variables:

- `NEXT_PUBLIC_SANITY_PROJECT_ID` → Identifier for the Sanity CMS project.
- `NEXT_PUBLIC_SANITY_DATASET` → Specifies the dataset used in production.
- `SANITY_API_KEY` → Secure key for integrating third-party services.

These variables were securely uploaded to **Vercel**.



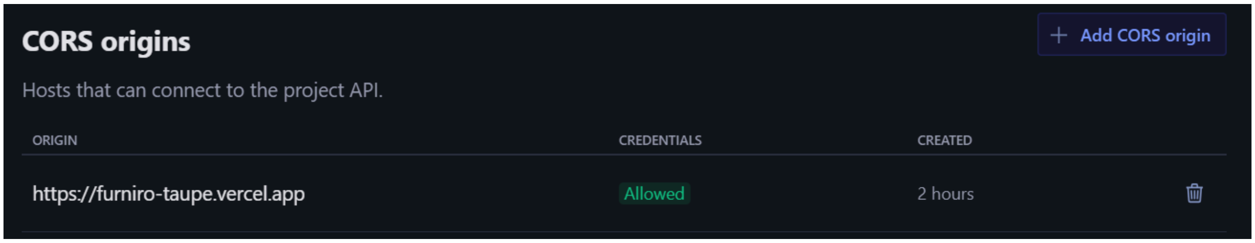
NEXT_PUBLIC_SANITY_PROJECT_ID
All Environments
•••••••••••••••
Added 23h ago

NEXT_PUBLIC_SANITY_DATASET
All Environments
•••••••••••••••
Added 23h ago

SANITY_API_TOKEN
All Environments
•••••••••••••••
Added 23h ago

C. Configuring CORS for Sanity

🔹 Added the project **domain** in **Sanity CORS settings** to allow secure API access.
🔹 Ensured that only the specified origins could interact with the database.



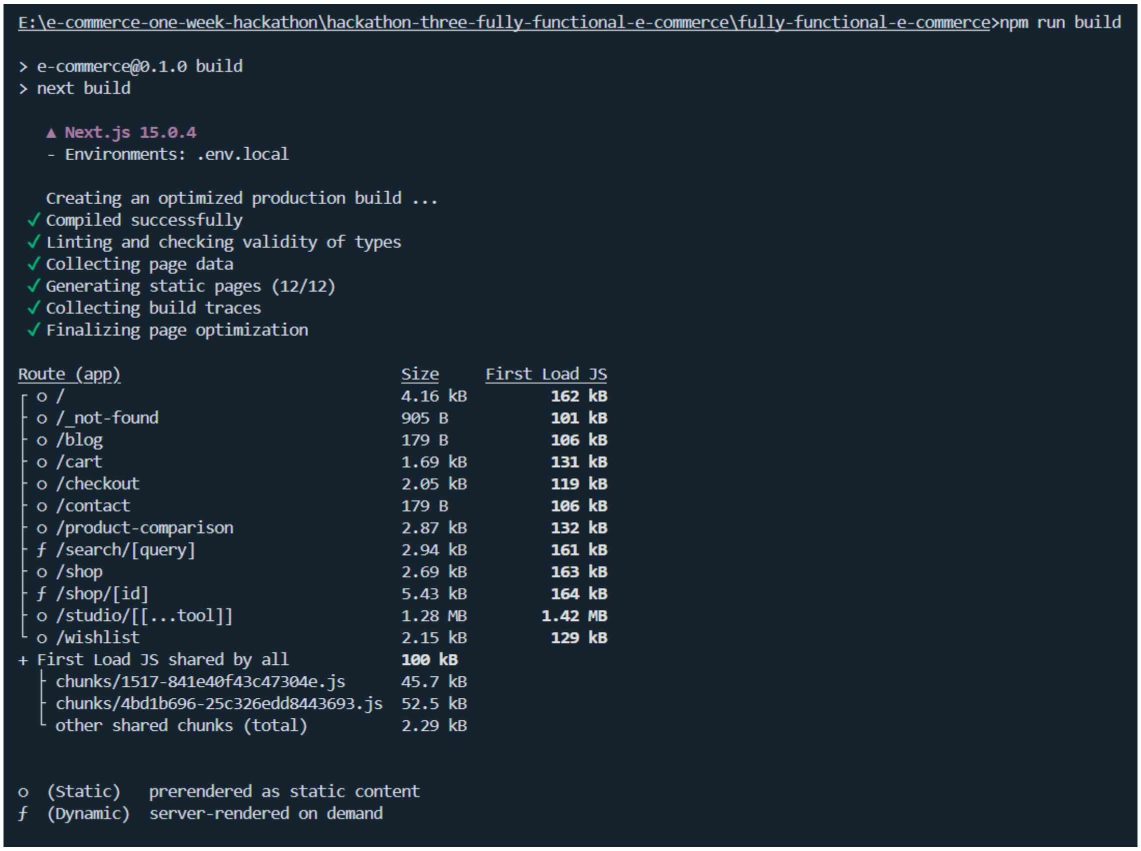
CORS origins

Hosts that can connect to the project API.

ORIGIN	CREDENTIALS	CREATED
https://furniro-taupe.vercel.app	Allowed	2 hours

D. Deploying to Staging

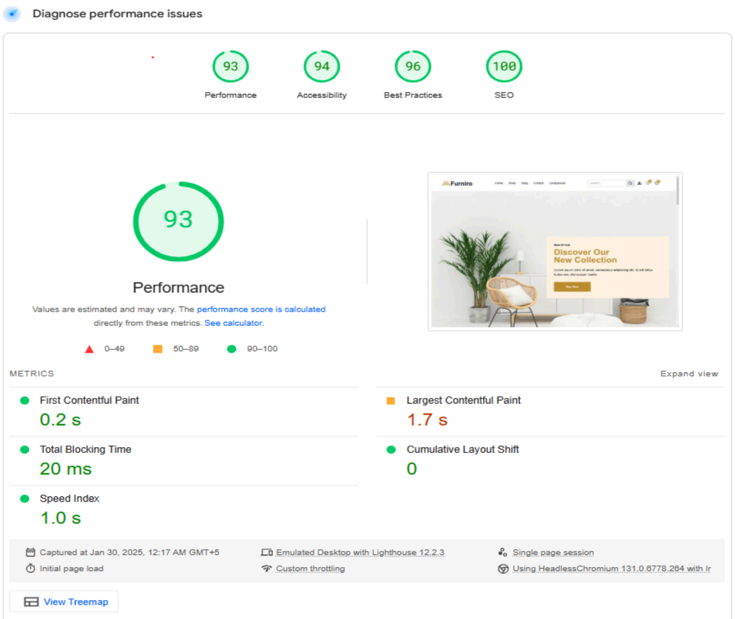
✔️ Initiated deployment to a **staging environment** for testing.
✔️ Monitored and verified a **successful build process**.
✔️ Ensured the website was **fully functional** upon deployment.



```
E:\e-commerce-one-week-hackathon\hackathon-three-fully-functional-e-commerce\fully-functional-e-commerce>npm run build

> e-commerce@0.1.0 build
> next build

   ▲ Next.js 15.0.4
   - Environments: .env.local

   Creating an optimized production build ...
 ✓ Compiled successfully
 ✓ Linting and checking validity of types
 ✓ Collecting page data
 ✓ Generating static pages (12/12)
 ✓ Collecting build traces
 ✓ Finalizing page optimization

Route (app)                              Size     First Load JS
┌ ○ /                                    4.16 kB         162 kB
├ ○ /_not-found                          905 B           101 kB
├ ○ /blog                                179 B           106 kB
├ ○ /cart                                1.69 kB         131 kB
├ ○ /checkout                            2.05 kB         119 kB
├ ○ /contact                             179 B           106 kB
├ ○ /product-comparison                  2.87 kB         132 kB
├ ƒ /search/[query]                      2.94 kB         161 kB
├ ○ /shop                                2.69 kB         163 kB
├ ƒ /shop/[id]                           5.43 kB         164 kB
├ ○ /studio/[[...tool]]                  1.28 MB        1.42 MB
└ ○ /wishlist                            2.15 kB         129 kB
+ First Load JS shared by all            100 kB
  ├ chunks/1517-841e40f43c47304e.js      45.7 kB
  ├ chunks/4bd1b696-25c326edd8443693.js  52.5 kB
  └ other shared chunks (total)          2.29 kB


○  (Static)   prerendered as static content
ƒ  (Dynamic)  server-rendered on demand
```

3. Performance Testing Results

📌 Desktop Performance



Diagnose performance issues

93 Performance | 94 Accessibility | 96 Best Practices | 100 SEO

93

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49 ■ 50–89 ● 90–100

METRICS

Expand view

● First Contentful Paint
0.2 s

■ Largest Contentful Paint
1.7 s

● Total Blocking Time
20 ms

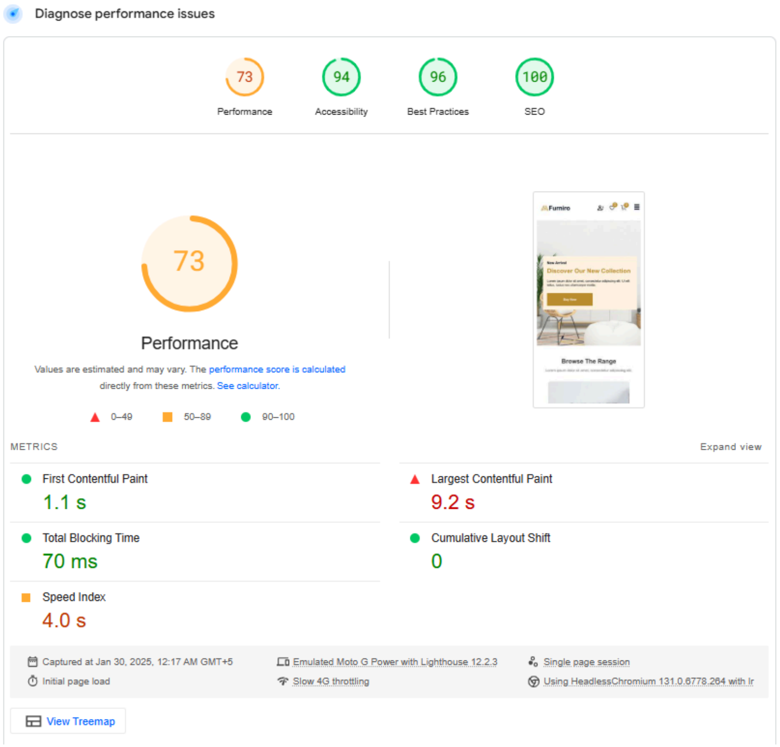
● Cumulative Layout Shift
0

● Speed Index
1.0 s

Captured at Jan 30, 2025, 12:17 AM GMT+5
Initial page load
Emulated Desktop with Lighthouse 12.2.3
Custom throttling
Single page session
Using HeadlessChromium 131.0.6778.264 with lr

View Treemap

📌 Mobile Performance



Diagnose performance issues

73 Performance | 94 Accessibility | 96 Best Practices | 100 SEO

73

Performance

Values are estimated and may vary. The performance score is calculated directly from these metrics. See calculator.

▲ 0–49 ■ 50–89 ● 90–100

METRICS

Expand view

● First Contentful Paint
1.1 s

▲ Largest Contentful Paint
9.2 s

● Total Blocking Time
70 ms

● Cumulative Layout Shift
0

■ Speed Index
4.0 s

Captured at Jan 30, 2025, 12:17 AM GMT+5
Initial page load
Emulated Moto G Power with Lighthouse 12.2.3
Slow 4G throttling
Single page session
Using HeadlessChromium 131.0.6778.264 with lr

View Treemap