

# DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP

## Step 1: Hosting Platform Setup

Selected Hosting Platform: Vercel

GitHub Repository Link: <https://github.com/sadafshahab12/UIUX-Hackathon-2---Nextjs-Design-Jam-2024.git>










Deployed Link: <https://uiux-hackathon-2-nextjs-design-jam-2024.vercel.app/>

## Step 2: Configure Environment Variables

Search...

All Environments

⌵ Last Updated ⌵

<>	SANITY_WEBHOOK_SECRET All Environments	👁️ .....	Added Jan 28		...
<>	NEXT_PUBLIC_CLERK_AFTER_SIGN... All Environments	👁️ .....	Added Jan 27		...
<>	NEXT_PUBLIC_CLERK_SIGN_UP_URL All Environments	👁️ .....	Added Jan 27		...
<>	NEXT_PUBLIC_CLERK_SIGN_IN_URL All Environments	👁️ .....	Added Jan 27		...
<>	CLERK_SECRET_KEY All Environments	👁️ .....	Added Jan 27		...
<>	NEXT_PUBLIC_CLERK_PUBLISHABL... All Environments	👁️ .....	Added Jan 27		...
<>	NEXT_PUBLIC_SANITY_TOKEN All Environments	👁️ .....	Added Jan 26		...
<>	NEXT_PUBLIC_SANITY_DATASET All Environments	👁️ .....	Added Jan 26		...
<>	NEXT_PUBLIC_SANITY_PROJECT_ID All Environments	👁️ .....	Added Jan 26		...

Shared Environment Variables

## Step 3: Deploy to Staging

Deploy Application (Selected Hosting Platform): Vercel

GitHub Repository Link: <https://github.com/sadafshahab12/UIUX-Hackathon-2---Nextjs-Design-Jam-2024.git>

Deployed Link: <https://uiux-hackathon-2-nextjs-design-jam-2024.vercel.app/>

2. Validate Deployment:

Project

Deployments

Analytics

Speed Insights

Logs

Observability

Firewall

Storage

Settings

uiux-hackathon-2-nextjs-design-jam-2024

Repository

Usage

Domains

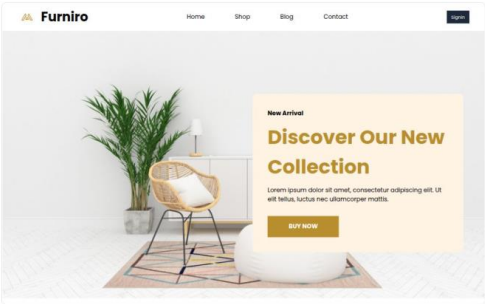
Visit

Production Deployment

Build Logs

Runtime Logs

Instant Rollback



Deployment

uiux-hackathon-2-nextjs-design-jam-2024-3tkfvs1h3.vercel.app

Domains

uiux-hackathon-2-nextjs-design-jam-2024.vercel.app

Status

Created

Ready

2d ago by sadafshahab12

Source

main

e0832bf remove role

Step 4: Staging Environment Testing:

1. Testing Types:

Performance Testing: LightHouse (Desktop)

1:29:22 PM - uiux-hackathon

https://uiux-hackathon-2-nextjs-design-jam-2024.vercel.app/

91

Performance

90

Accessibility

74

Best Practices

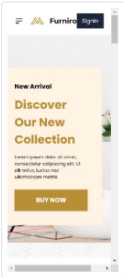
100

SEO

91

Performance

Values are estimated and may vary. The [performance score](#)



LightHouse (M)

1:31:57 PM - uiux-hackathon

https://uiux-hackathon-2-nextjs-design-jam-2024.vercel.app/

80

Performance

90

Accessibility

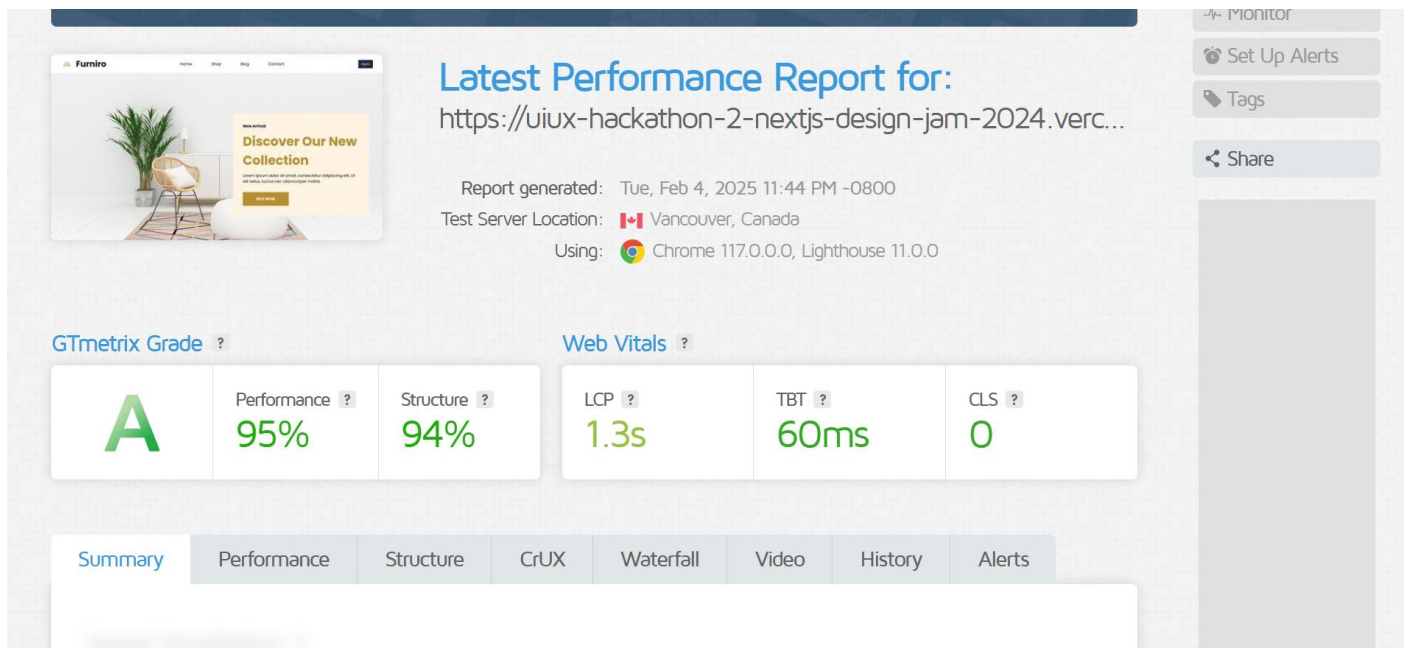
75

Best Practices

100

SEO

## GTMetrix Testing:



## 2. Test Case Reporting:

Test Case ID,Test Case Description,Test Steps,Expected Result,Actual Result,Severity Level,Assigned To,Remarks

TC001,Products are displayed correctly,Open Products Page > Validate Products,Products Display Successfully,Products Display Successfully,Low,-,No Issue Found

TC002,Validate accurate results based on user inputs,On searching it filters product accurately and smoothly.,Product Search successfully,Product Search successfully,Low,-,Successfully searched

TC003,Add, update, and remove items from the cart.,Add to cart → signin → add to cart → notification → cart item length increase → click delete icon → notification for delete confirmation → remove → item length will be zero.,Product Add to cart and remove from cart successfully done.,Product Add to cart and remove from cart successfully done.,Low,-,Gracefully handle adding and removing

TC004,Verify individual product detail pages load correctly.,Navigate to shop and on click details button → it will navigate to dynamic route (single-product) page and show the product details with slug url.,Navigate to dynamic route and show details of product successfully.,Display product details easily.,Medium,-,Successfully display and no issue found.

TC005,Testing API in Postman,Paste API URL in Postman (GET),API Fetch in JSON Format,API Fetched successfully,Low,-,No Issue Found

TC006,Test API Error Handling,Remove Groq Query → Refresh Page,Error Message in the form of UI on Screen,Error Message in the form of UI on Screen,Low,-,Handle Gracefully

TC007,Light House Performance testing,DevTools → inspect → lighthouse → Select the appropriate categories (Performance, Accessibility, Best Practices, SEO) → Generate Report,Performance : 80,Performance : 47,Medium,-,Optimized

,,Accessibility : 100,Accessibility : 90,,,

,,Best Practice : 25,Best Practice : 75,,,

,,SEO : 50,SEO : 100,,,

TC008,Browser Compatibility Testing,Open the website in Chrome, Firefox, and Edge.,Consistent rendering and functionality across all browsers.,Chrome: All elements render correctly. Fast performance, no errors.,Low,-,consistent and acceptable.

,,Verify layout, fonts, and functionality consistency across browsers.,No layout, font, or interactive element issues.,Firefox: Slightly slower performance; minor font rendering differences, but no major issues.,,,

,,Test responsiveness on different screen sizes.,Fast performance with no console errors or significant delays.,Safari: Minor lag in CSS transitions, no rendering or functional issues.,,,

,,Check for performance differences and errors in the browser console.,,Edge: Rendering and functionality consistent with Chrome. No issues.,,,

TC009,Device Testing through BrowserStack,The layout, fonts, and interactive elements adapt correctly to all device sizes,Responsive across all devices with no layout or functionality issues,Responsive across all devices with no layout or functionality issues,Low,-,No functionality Issue Found.

Deployment Preparation	Staging Environment Testing	Documentation	Form Submission	Final Review
✓	✓	✓	✓	✓