

DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP

Step 1: Hosting Platform Setup

Selected Hosting Platform: Vercel

GitHub Repository Link: <https://github.com/yusranaz43/Figma-UI-UX-Hackathon>

Deployed Link: <https://e-commerce-website-mu-ruddy.vercel.app/>

Step 2: Configure Environment Variables

<>	NEXT_SANITY_TOKEN All Environments	.....	Added 1 Feb		...
<>	NEXT_PUBLIC_SANITY_DATASET All Environments	.....	Added 1 Feb		...
<>	NEXT_PUBLIC_SANITY_PROJECT_ID All Environments	.....	Added 1 Feb		...
<>	NEXT_PUBLIC_CATEGORIES_API_URL All Environments	.....	Added 1 Feb		...
<>	NEXT_PUBLIC_PRODUCTS_API_URL All Environments	.....	Added 1 Feb		...
<>	SANITY_TOKEN All Environments	.....	Added 1 Feb		...
<>	PUBLIC_SANITY_PROJECT_ID All Environments	.....	Added 1 Feb		...
<>	PUBLIC_SANITY_DATASET All Environments	.....	Added 1 Feb		...

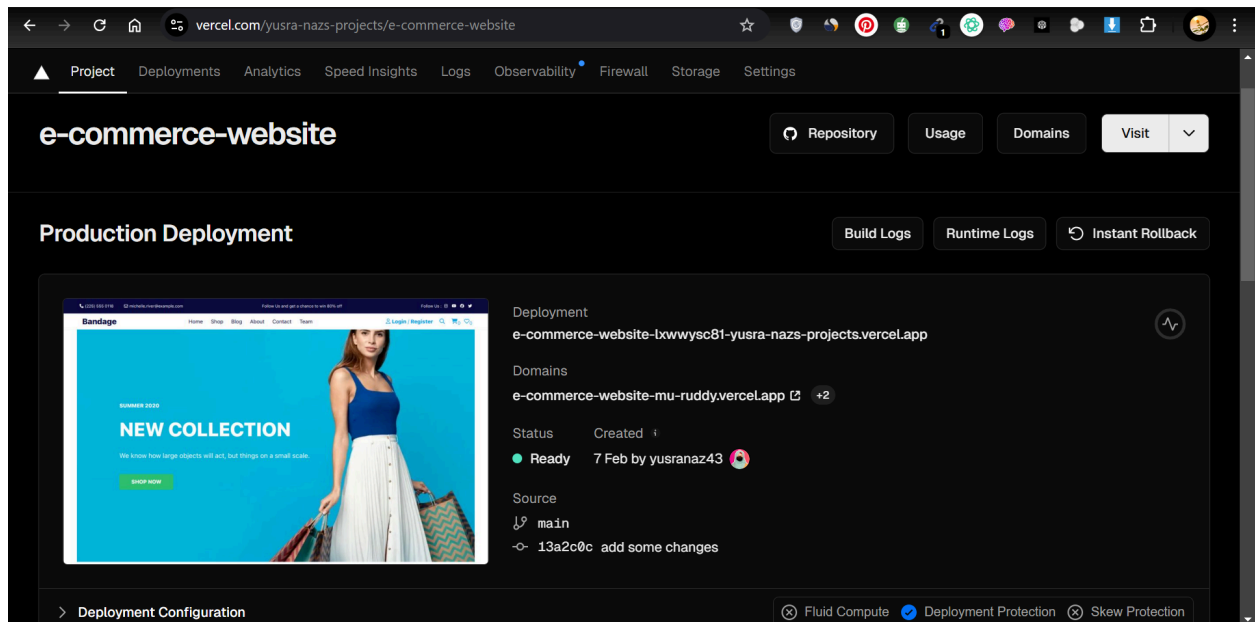
Step 3: Deploy to Staging

Deploy Application (Selected Hosting Platform): Vercel

GitHub Repository Link: <https://github.com/yusranaz43/Figma-UI-UX-Hackathon>

Deployed Link: <https://e-commerce-website-mu-ruddy.vercel.app/>

2. Validate Deployment:



The screenshot shows the Vercel dashboard for a project named "e-commerce-website". The top navigation bar includes links for Project, Deployments, Analytics, Speed Insights, Logs, Observability, Firewall, Storage, and Settings. The main header displays the project name "e-commerce-website" and buttons for Repository, Usage, Domains, and Visit. Below this, the "Production Deployment" section is active, showing a preview of the website and deployment details.

Production Deployment

Build Logs Runtime Logs Instant Rollback

Deployment
e-commerce-website-bxwysc81-yusra-nazs-projects.vercel.app

Domains
e-commerce-website-mu-ruddy.vercel.app +2

Status Created
● Ready 7 Feb by yusranaz43

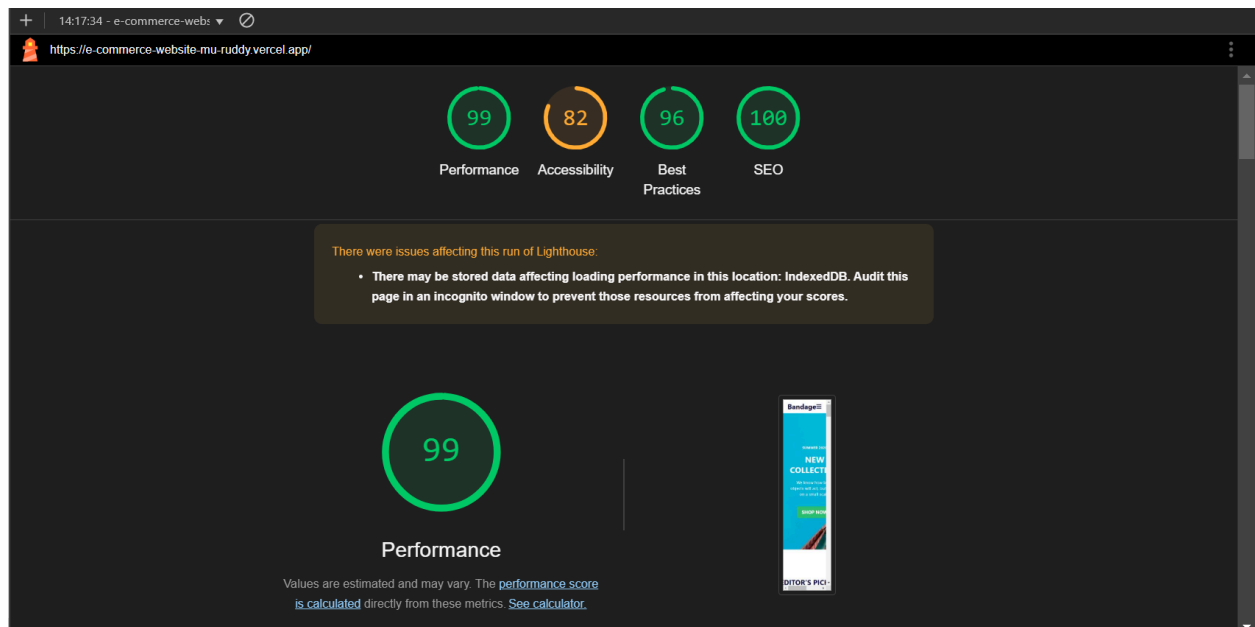
Source
main
13a2c0c add some changes

Deployment Configuration
Fluid Compute Deployment Protection Skew Protection

Step 4: Staging Environment Testing

1. Testing Types:

Performance Testing: LightHouse (Desktop)



The screenshot shows the Lighthouse performance audit results for the website "https://e-commerce-website-mu-ruddy.vercel.app/". The audit is dated 14:17:34. The results are displayed as four circular progress indicators: Performance (99), Accessibility (82), Best Practices (96), and SEO (100).

Performance 99

Accessibility 82

Best Practices 96

SEO 100

There were issues affecting this run of Lighthouse:

- There may be stored data affecting loading performance in this location: IndexedDB. Audit this page in an incognito window to prevent those resources from affecting your scores.

Performance 99

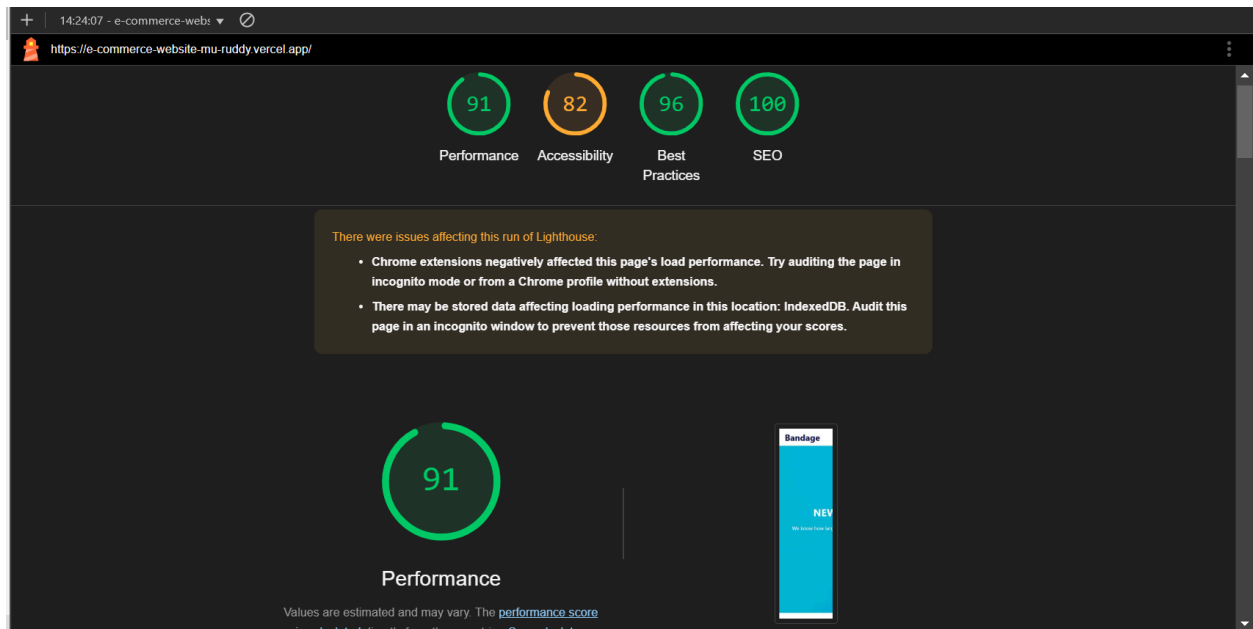
Values are estimated and may vary. The [performance score](#) is calculated directly from these metrics. [See calculator.](#)

Bandage

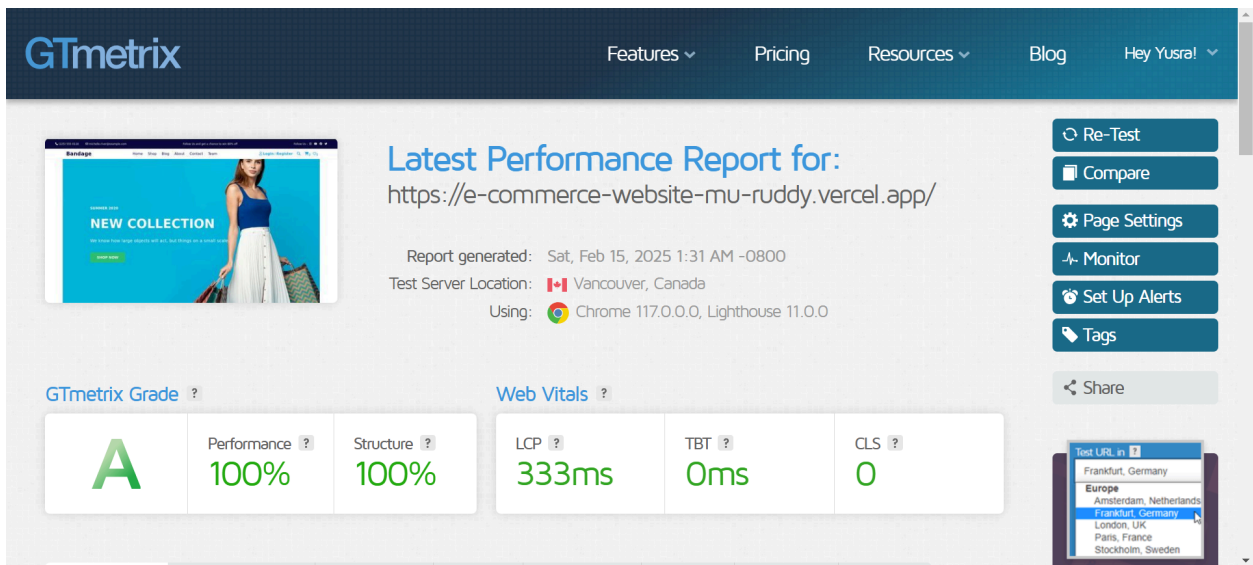
NEW COLLECTION

EDITOR'S PICK

LightHouse (Mobile)



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 products accurately and smoothly.",Product Search successfully,Product Search successfully,low,-,Successfully searched

TC003,"Add, update, and remove items from the cart.",Add to cart select color and size notification when add to cart > added to cart notification> increase product quantity > click delete icon to delete or remove product,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 displayed, and no issue was found."

TC005,Testing API in Postman,Paste API URI 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 show,Low,-,Handle Gracefully

TC007,Light House Performance tesing,"DevTools > inspect > lighthouse > Select the appropriate categories (Performance, Accessibility, Best Practices, SEO) >Generate Report","Performance : 80 Accessibility : 100

Best Practice : 25 SEO : 50","Performance : 35 Accessibility : 82

Best Practice : 96

SEO : 100",Medium,-,Optimized

TC008,Browser Compatibility Testing,"1.Open the website in Chrome, Firefox, and Edge.

2.fonts, and functionality consistency across browsers.

3.Verify layout,Test responsiveness on different screen sizes.

4.Check for performance differences and errors in the browser console.", "1.Consistent rendering and functionality across all browsers.

2.No layout, font, or interactive element issues.

3.Fast performance with no console errors or significant delays.", "1.Chrome: All elements render correctly. Fast performance, no errors.

2.Firefox: Slightly slower performance; minor font rendering differences, but no major issues.

3.Edge: Rendering and functionality consistent with Chrome. No issues.",Low,-,consistent and acceptable.

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
✓	✓	✓	✓	✓