Day 6 - Deployment Preparation and Staging Environment Setup Hekto

Step 1: Hosting Platform Setup

1.1 Chosen Platform: Vercel for Deployment

Vercel has been selected for hosting your application.

1.2 Connect Repository: Completed

GitHub repository has already been linked to Vercel.

Step 2: Configure Environment Variables

2.1 Create a .env File: Completed

Sensitive variables like API keys and project details have been added to the .envfile.

2.2 Upload Variables to Hosting Platform: Completed

Environment variables have been securely uploaded to Vercel.

Step 3: Deploy to Staging

3.1 Deploy Application: Completed

The application has been deployed successfully

3.2 Validate Deployment: Completed

Deployment has been validated, ensuring that the build process completed successfully and the site loads correctly.

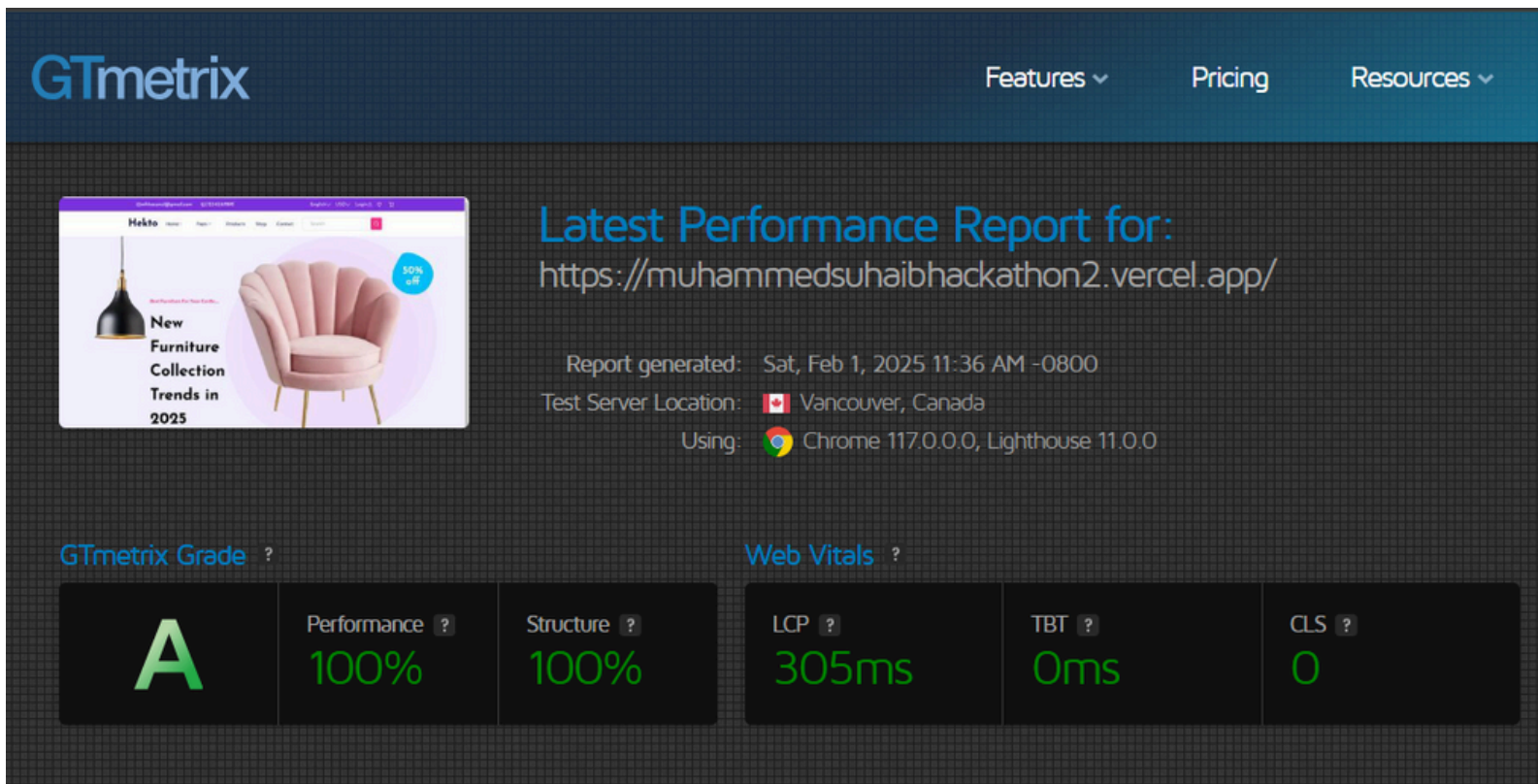# Step 4: Staging Environment Testing

4.1 Testing Types
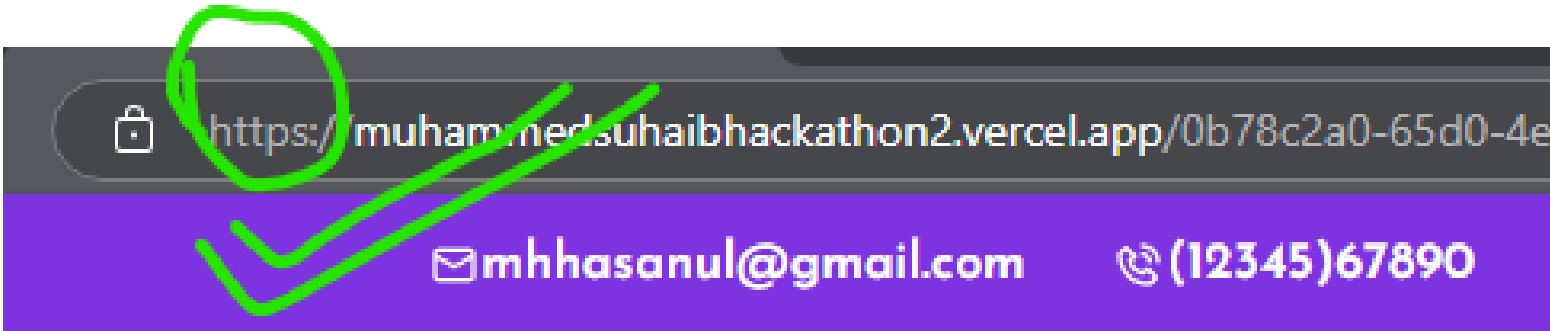
Functional Testing:Completed

All key features like product listing, search, and cart operations have been verified.

Performance Testing:Completed

GTmetrix report has been attached for performance analysis.

Security Testing:Completed

Screenshot showing HTTPS usage is attached.

4.2 Test Case Reporting: Completed

https://docs.google.com/spreadsheets/d/1ChJZMZEeGe7I-hHgUxYy1amySRA7yapQPJ6lGG56vKk/edit?usp=sharing

Test Case ID	Test Case Description	Test Steps	Expected Result	Actual Result	Status	Severity Level	Remarks
Test01	Validate product listing page	Open product page > Verify products	Products displayed correctly	Products displayed correctly	Passed ✓	-	No issues found
Test02	Test API error handling	Disconnect API > Refresh page	Show fallback UI with error message	Error shown	Passed ✓	-	No issue
Test03	Check cart functionality	Add product to cart > Verify cart contents	Cart updates with added product	Cart updates as expected	Passed ✓	-	Works as expected
TC04	Ensure responsiveness on mobile	Resize browser window > Check layout	Layout adjusts properly to screen size	Responsive layout working as intended	Passed ✓	low	Test successful