DAY 6 - DEPLOYMENT PREPARATION AND STAGING ENVIRONMENT SETUP – [SHOP.CO]

1. Introduction

This report outlines the testing activities conducted for the E-Commerce Marketplace project in staging environment. The primary objectives of the testing were to ensure functionality, performance & error handling, after deployment.
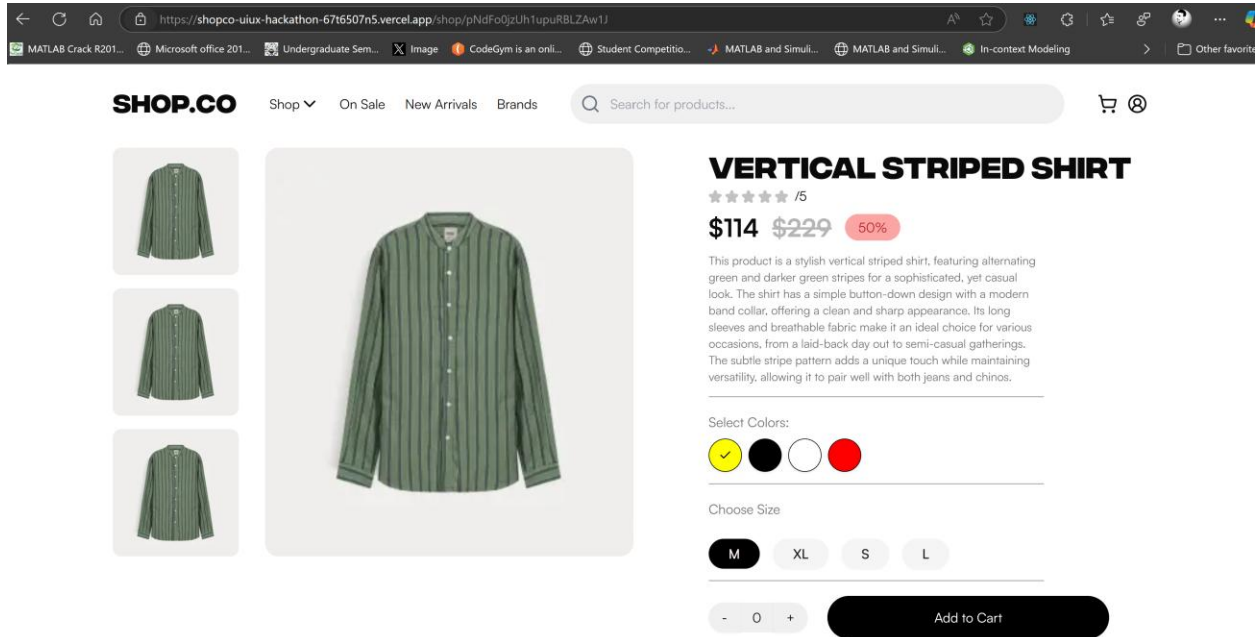
2. Testing Overview

Types of Testing Performed

- **Functional Testing**: Validating core features such as product listing, cart functionality, and product detailed pages.
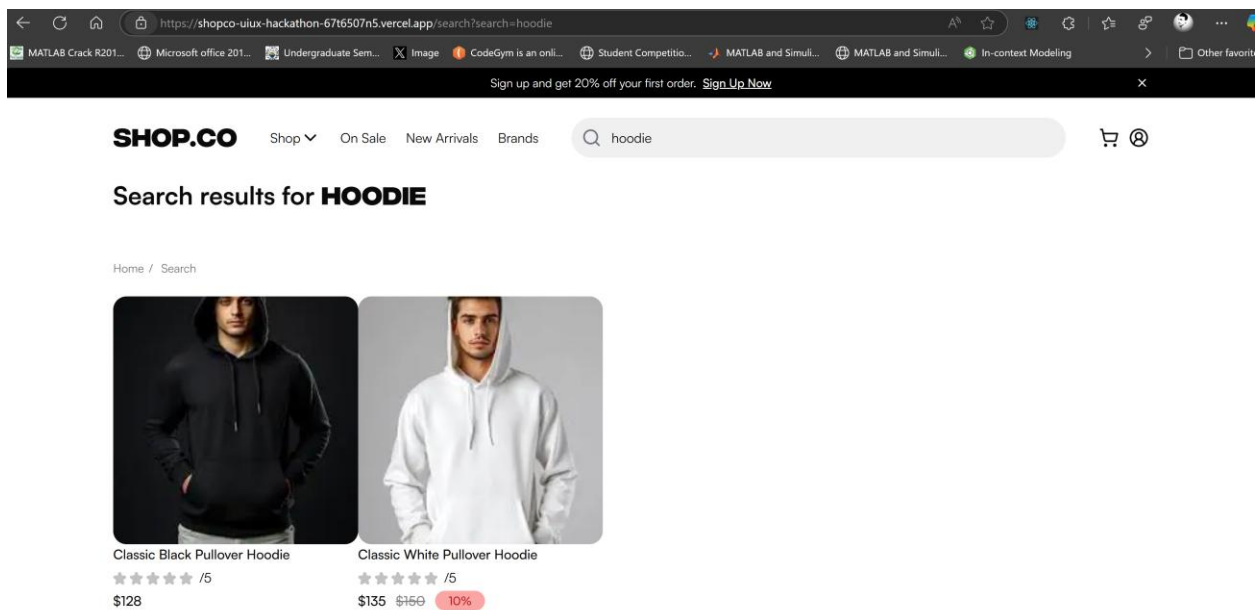
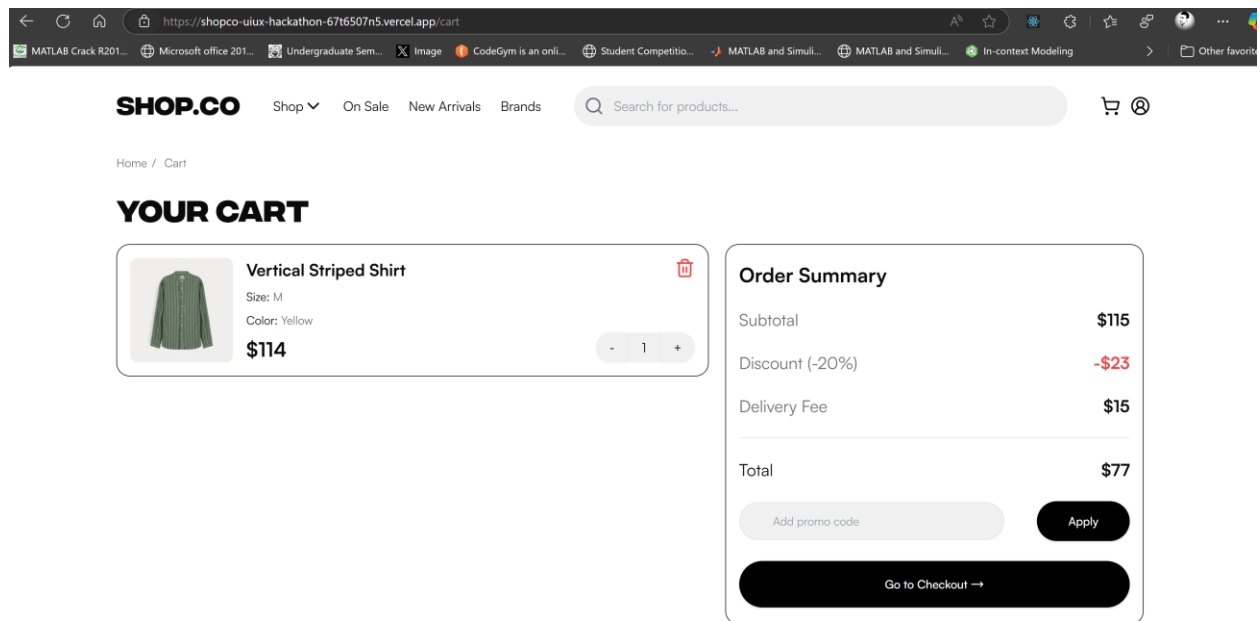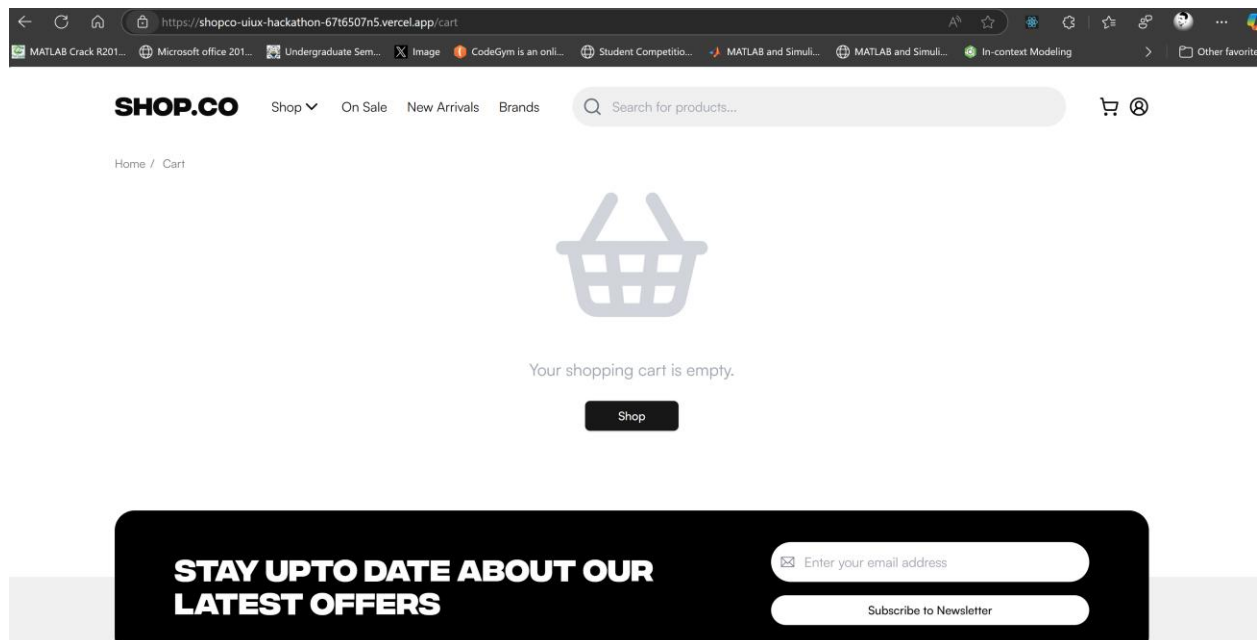Products Listing Page**:**
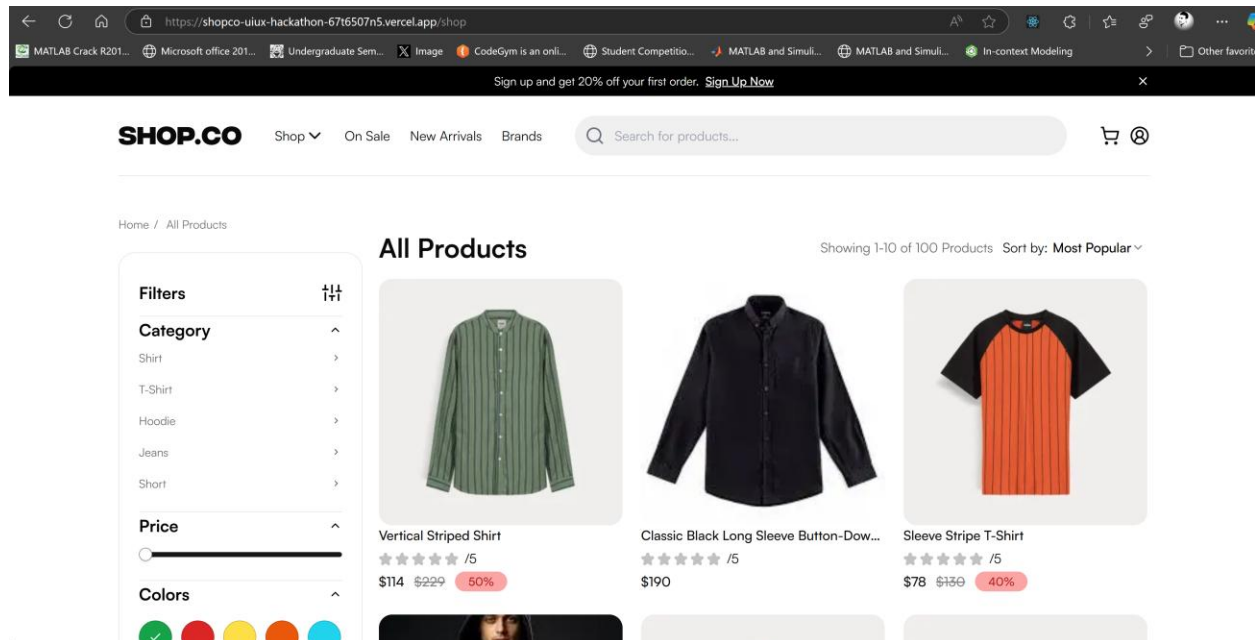
Product Detailed Page:

Search Page Functionality:
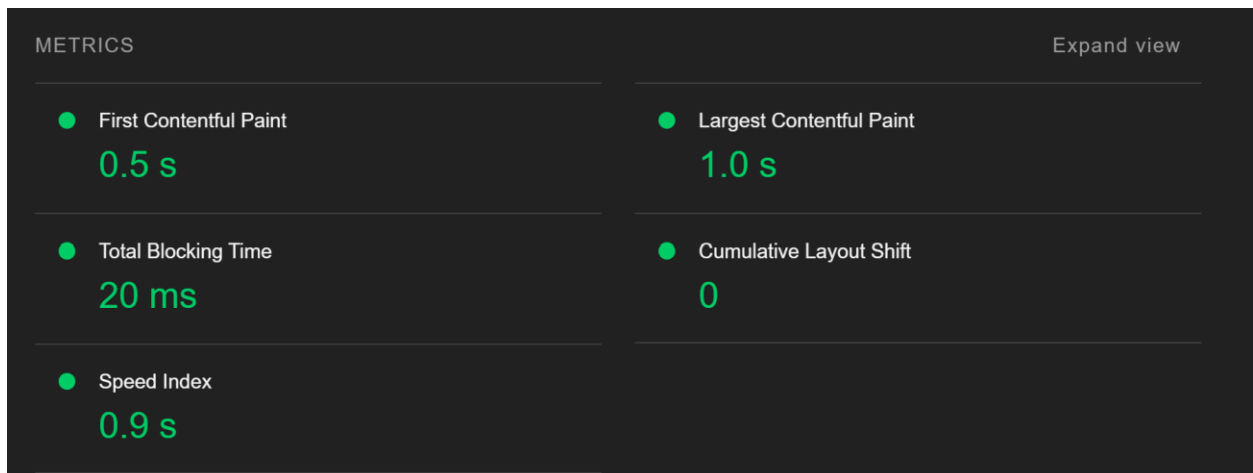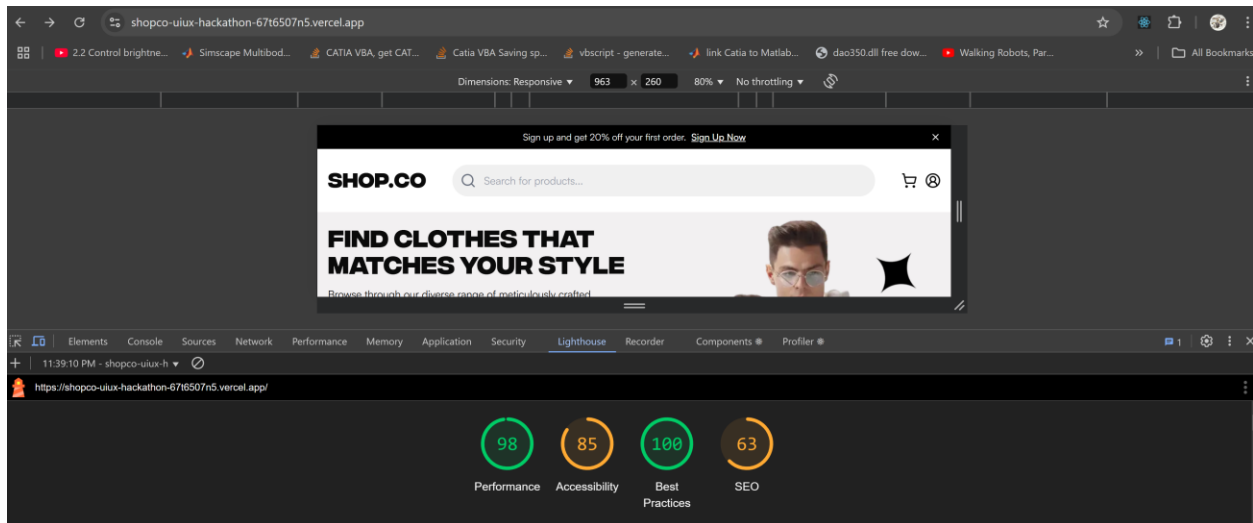
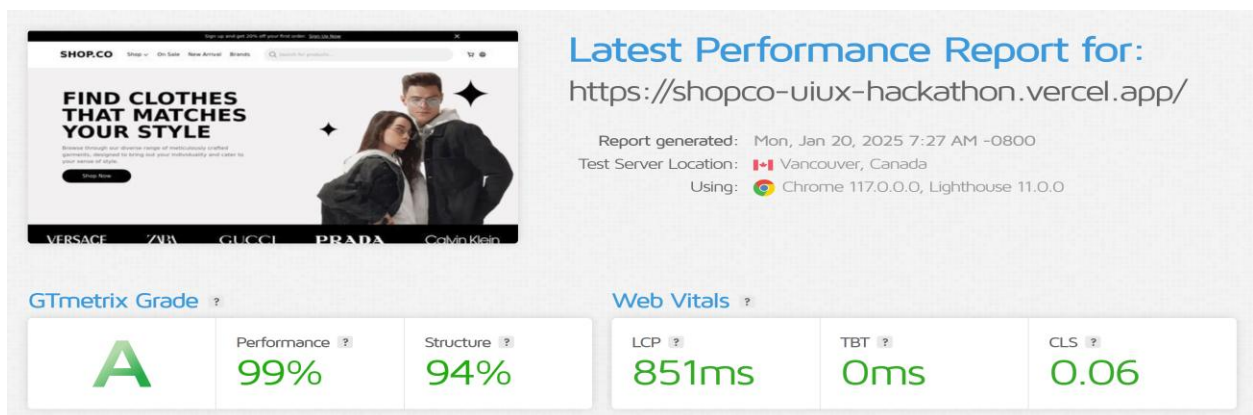Cart Functionality:

FallBack UI when Cart is Empty:

- **Performance Testing**: Measuring page load times and optimizing asset delivery.

Using Browser Dev Tool:

Using GTMetrix:

Using Lighthouse Metrix:

URL
https://shopco-uiux-hackathon.vercel.app/

State	Device	Version	Request Time
● succeeded	Mobile	12.2.1	4 minutes ago

Performance Scores
View Lighthouse Performance scores across all regions

🇺🇸 US West
us-west1
88 / 100
| FCP: 989ms | LCP: 2.3s | TBT: 402ms |

🇺🇸 US East
us-east4
99 / 100
| FCP: 998ms | LCP: 1.8s | TBT: 119ms |

✛ Finland
europe-north1
96 / 100
| FCP: 1.2s | LCP: 2.4s | TBT: 160ms |

🇩🇪 Germany
europe-west3
96 / 100
| FCP: 1.1s | LCP: 2.3s | TBT: 158ms |

● Japan
asia-northeast1
99 / 100
| FCP: 1.2s | LCP: 1.5s | TBT: 73ms |

🇦🇺 Australia
australia-southeast1
98 / 100
| FCP: 1.3s | LCP: 1.3s | TBT: 119ms |

Performance Metrics
Inspect each metric that leads to the performance score

	🇺🇸	🇺🇸	✛	🇩🇪	●	🇦🇺
First Contentful Paint 🗗	989ms	998ms	1.2s	1.1s	1.2s	1.3s
Speed Index 🗗	1.5s	1.1s	2.3s	1.9s	2.2s	2.9s
Largest Contentful Paint 🗗	2.3s	1.8s	2.4s	2.3s	1.5s	1.3s
Total Blocking Time 🗗	402ms	119ms	160ms	158ms	73ms	119ms
Cumulative Layout Shift 🗗	0	0	0	0	0	0

Transferred Assets
Review transferred assets and their size

Total Requests	33	Total Transferred Size	377 kB	Total Resource Size	957 kB

Lighthouse Audits
Review passed and failed audits for each Lighthouse score

88 **Performance**
Audits that have impact on the performance of your site ＞

84 **Accessibility**
Opportunities to improve the accessibility for your visitors ＞

96 **Best Practices**
Standards that your site should follow ＞

100 **SEO**
Checks that ensure your page follows basic search engine advices ＞