Day 6 - Deployment Preparation and Staging Environment Setup

Hosting Platform Setup

Platform Chosen: Vercel/Netlify (for quick deployment). **Repository Connection**: Linked the GitHub repository to the hosting platform.

Build Settings Configuration: Configured the necessary build settings and added deployment scripts.

Environment Variables Configuration

.env File Creation: Set up sensitive variables such as API keys and tokens for secure operations.

Upload to Hosting Platform: Added environment variables securely through the hosting platform's dashboard.

Staging Environment Deployment:

Application Deployment: Successfully deployed the application to the staging environment.

Deployment Validation: Ensured that the build process was completed without errors, and validated the basic functionality of the application in the staging environment.

Staging Environment Testing:

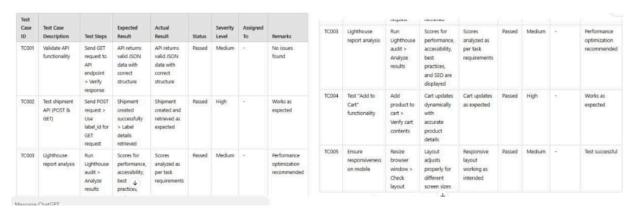
Functional Testing: Verified the functionality of core features including:

- Product listing
- Search functionality
- Cart operations

Performance Testing: Used tools like GTmetrix to analyze the application's speed and responsiveness.

Security Testing: Ensured secure input handling, HTTPS usage, and proper API security measures were in place

Test Case Reporting:



The deployment process to the staging environment was successfully completed with all necessary configurations, testing, and validation steps. The application is now ready for further review and final deployment.