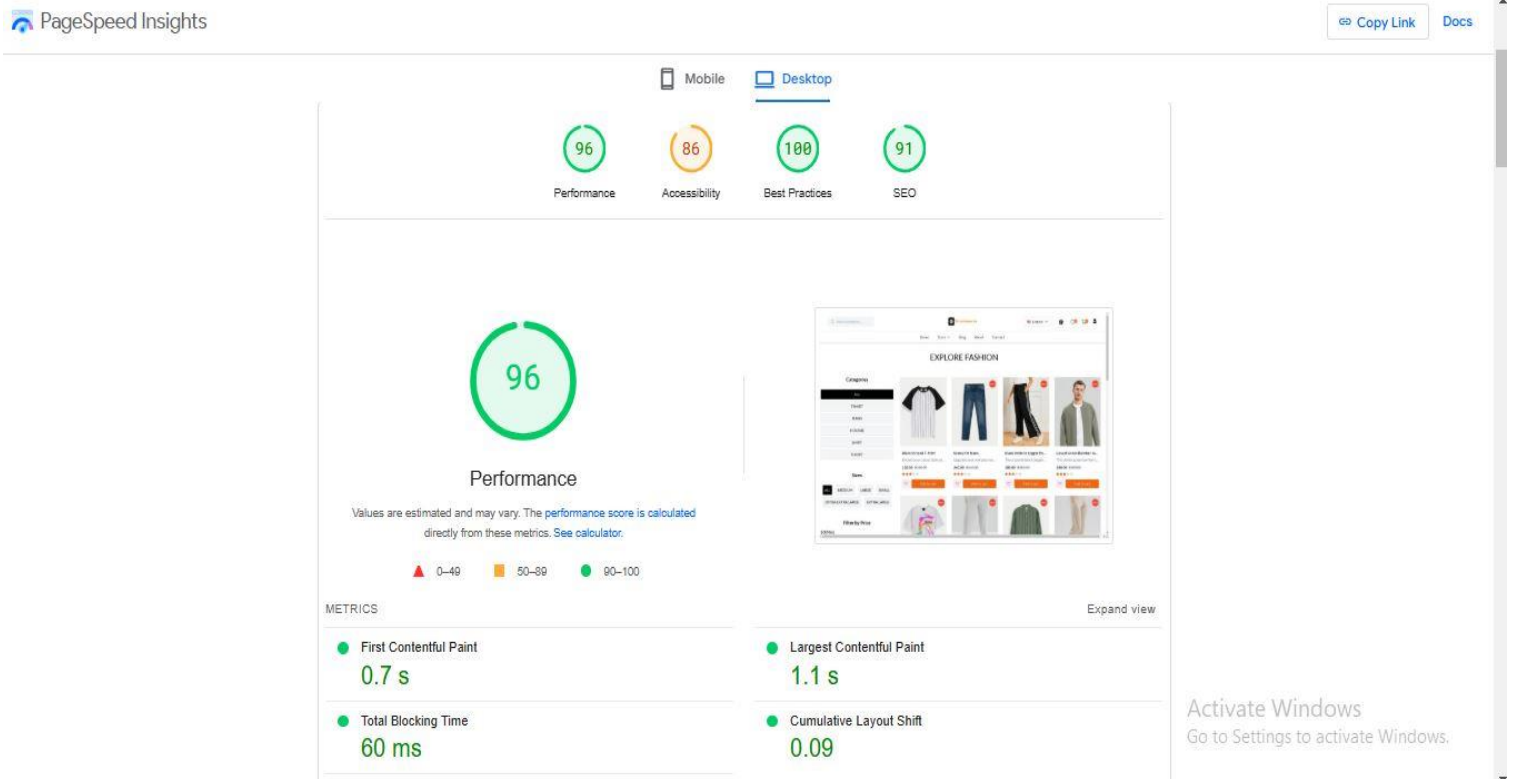# Deployment Preparation and Staging Environment Setup

Implementation:

1. Hosting Platform Setup (Vercel)
2. Configure Environment Variables
3. Upload Variables to Hosting Platform
4. Deploy Application
5. Validate Deployment
6. Staging Environment Testing
   - Functional Testing
   - Performance Testing
7. Test Case Report

Test Case Report

Test Case ID	Test Case Description	Expected Result	Actual Result	Status
TC00001	Dynamic Product Listing	Products Displayed Accurately	Products Displayed Accurately	Pass
TC00003	Search Functionality	Products Displayed according to input query	Products sorted according to query	Pass
TC00004	Cart Functionality	Add items to Cart	Cart updated	Pass
TC00005	Wishlist Functionality	Add items to Wish list	Wishlist updated	Pass
TC00006	Navigation Links	Navigated to the desired page	Navigated to the dedicated page	Pass
TC00007	Reviews and Rating	Comment shown on submit	Comment shown	Pass
TC00008	Api error handling	Fall back UI with error message	Error message shown	Pass
TC00009	Responsiveness	Layout adjusted w.r.t. screen size	Layout adjusted	Pass
TC00010	Filtering and Sorting	Products filtered by category, size and price	Product sorted according to filteration	Pass
TC00011	Readability	Easily readable text	Clear text	Pass
TC00012	Error Messages	Meaningful Error message on invalid input	Error message shown	Pass
TC00014	Page Load Time	max 2 seconds	2 seconds	Pass

8. Performance Testing

9. Documentation Updates

- Create README.md
- Organize Project Files