**Title**: *Manual Testing of OpenCart Web Application*

**Objective**:  
To manually test the functionality, usability, and performance of the **GreenKart demo web application**, ensuring a high-quality user experience by identifying bugs, validating features, and executing end-to-end test cases. The testing workflow covers all essential modules of an e-commerce application.

**Objective:**

* Explore and test each module of the GreenKart web app
* Log and report bugs effectively
* Document and execute test cases and test scenarios
* Apply multiple types of manual testing techniques

**Scope:**

* Functional, UI, Regression, and Sanity Testing
* Bug identification and tracking
* Reporting and documentation
* Real-world scenario coverage for web-based e-commerce platforms

**Application Under Test (AUT)**

**Application Name**: GreenKart Demo  
**URL**: https://rahulshettyacademy.com/seleniumPractise/#/  
**Description**: GreenKart is a practice e-commerce web application developed by Rahul Shetty Academy. It includes modules such as product search, add to cart, checkout, and order confirmation.

**Tools Used**

|  |  |
| --- | --- |
| **Tool** | **Purpose** |
| **JIRA + Xray** | **Test management and bug tracking** |
| **Google Sheets / Excel** | **Test case & scenario documentation** |
| **Lighthouse** | **Performance & accessibility testing** |
| **Chrome DevTools** | **UI/Responsive layout testing** |

**Modules Tested**

* Product Search
* Add to Cart
* Cart Overview
* Checkout Process
* Order Confirmation
* Page Navigation
* Reset/Clear Cart

**Types of Testing Performed**

| **Testing Type** | **Description** |
| --- | --- |
| **Functional Testing** | Check if features perform as per the requirements |
| **UI Testing** | Layout, design, and field validations |
| **Sanity Testing** | Quick check after minor changes |
| **Smoke Testing** | Check if core functionalities work fine |
| **Regression Testing** | Ensure existing features still work after updates |
| **Black Box Testing** | Without knowing internal code |
| **Performance Testing** | Page load using Lighthouse tool |
| **Re-testing** | Confirm fixed bugs are resolved correctly |

**Test Management & Tools**:

* JIRA with Xray (Test Case Management & Bug Tracking)
* Google Sheets / Excel (Test artifacts)
* Lighthouse (for page performance testing)
* Chrome DevTools (for UI inspection)

**Test Artifacts Included**

* Test Plan (.doc/.pdf)
* Requirement Understanding (.doc/.pdf)
* Test Scenarios (.xlsx)
* Test Cases (.xlsx)
* Bug Reports (.xlsx or .doc)
* Traceability Matrix (.xlsx)
* Final Test Summary (.doc/.pdf)
* Screenshots (in organized folder)