**🧭 Sprint 1-Planning Document-**

**1. Objective**

The main objective of this test plan is to ensure that the OpenCart Demo – Online Shopping Platform works correctly . We will verify that users can register, browse products, add products to the cart, and complete checkout successfully, admin can access everything.

**2. Project Overview**

**Project Name:** [OpenCart.com](http://opencart.com)

**Project URL**: [https://demo.opencart.com/](https://demo.opencart.com)

**Project Description :** An online shopping platform that allows users to browse products, add them to the cart, place orders, and make payments.

**Key Features (for context):**

* User registration and login
* Product browsing and search
* Shopping cart and checkout
* Payment integration
* Order history and tracking

**3.Test Scope**

**IN Scope :**

* User registration and login
* Product browsing and search
* Adding / removing products to cart
* managing the cart system
* Checkout process

**OUT Scope :**

* Security testing
* Checking the notifications or emails
* Stress testing at large-scale production levels.
* Third-Party System testing

**4.Test Schedule/Expected RoadMap**

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| --- | --- | --- | --- | --- |
| **Sprint** | **Duration** | **Focus Area** | **Testing Activities** | **Deliverables / Output** |
| **Sprint 1** | Week 1–2 | Core Setup & Basic Functionalities | • Smoke testing • Functional testing for Login, Registration, Product Browsing | • Test Cases Document • Bug Report for Core Modules |
| **Sprint 2** | Week 3-4 | Shopping Cart & Checkout | • Integration testing between Cart & Checkout •Payment flow validation •UI/UX validation | • Test Summary Report •Updated Bug Tracker |
| **Sprint 3** | Week 5–6 | Order Management | •Regression testing for fixed bugs | • Test Order Process |
| **Sprint 4** | Week 7–8 | Non-Functional Testing | •Performance testing • Security testing •Compatibility (multi-browser/device) | • Final QA Report • Risk Evaluation & Mitigation Plan |
| **Sprint 5** | Week 9–10 | User Acceptance & Closure | • Final Regression Testing •User Acceptance Testing •Closure Activities | Test Closure Document |

**5. Entry Criteria**

* Project environment is ready (OpenCart demo site up and running).
* Test data are available (user account and some sample products).
* Requirements are clear and understood by all team members.
* Tools and access are in place (Postman, Excel/Sheets).
* Team roles are defined (tester, writer, reviewer).

**6. Exit Criteria**

* All test cases planned executed .
* No open critical or high severity bugs.
* Test summary report completed with pass/fail results.
* Reception of all project deliverables (Test Plan, Test Cases, Bug Report).
* Team verification and confirmation of testing completion.

**7. Deliverables**

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| **Deliverable** | **Description** |
| Test Plan Document | This document defining scope, strategy, schedule, and resources for manual testing foundation |
| Project Roadmap | High-level timeline outlining planned testing activities for future sprints (Sprint 2: Automation, etc.) |
| Defect Log | Consolidated list of all issues and bugs found during exploratory testing |
| Test Summary Report | Brief report summarizing testing activities, results, and lessons learned |
| Test Checklist | Basic manual test coverage for main OpenCart user flows |
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**8. Risk Management & Assumptions**

Risks for Sprint 1:

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| --- | --- | --- | --- | --- |
| **Risk ID** | **Risk Description** | **Impact** | **Likelihood** | **Action Plan** |
| R1 | Testing Environment Not ready | High | Medium | Start to prepare testing environment and check connection with DB before execution |
| R2 | Lack in Test Data | Medium | High | Create Fake/Dummy Data |
| R3 | Change requirements in sprint | Medium | High | Apply change control , any change must be reviewed and approved before affecting test plan |
| R4 | May Be user stories/Acceptance criteria not clear | Medium | High | Discuss with Product Owner/BA to clarify acceptance criteria |
| R5 | Detect Urgent/Critical Bugs | High | Low | Apply Smoke testing early |

**9. Roles and Responsibilities**

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| **Role** | **Member** | **Key Responsibilities** |
| **QA Lead** | Mariam | Oversees the entire sprint. Defines the final test objectives, scope, and approves all deliverables. |
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| **Test Planner** | Youssef | Define the conditions required before testing starts and conditions to close |
|  |  |  |
| **Manual Tester 1** | Seif | the manual testing approach, including how exploratory testing is done, browsers used, and types of tests performed. |
|  |  |  |
| **Manual Tester 2** | Mahmoud | Create a simple one-day test schedule showing time slots for testing, review, and reporting. |
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| **Manual Tester 3** | Karen | List what will be delivered (Test Plan, Roadmap, Defect Log, Summary) and define each person's role in Sprint 1. |
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| **Test Recorder** | Nayera | Collects all test findings, logs defects in the central log, and prepares the final Test Summary Report. |
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**10. Test Approach**

The testing approach for this project follows a **manual, iterative, and sprint-based process** aligned with Agile methodology.

* **Type of Testing:** Manual testing (functional, integration, regression, and UI testing).
* **Methodology:**

Agile – testing is performed in parallel with development during each sprint.

* **Testing Techniques:**
  + *Smoke Testing:* To verify that the application’s core features work after deployment.
  + *Functional Testing:* To ensure that all functions (login, cart, checkout, etc.) work as expected.
  + *Integration Testing:* To confirm proper data flow between modules (e.g., Cart → Checkout → Payment).
  + *Regression Testing:* After each sprint to ensure that new changes don’t break existing features.
  + *UI/UX Validation:* To check usability, alignment, and responsiveness across browsers.
* **Defect Management:**
  + All defects will be logged in a central **Defect Log** (Google Sheet or Excel).
  + Each defect will have severity, priority, and status (Open, In Progress, Resolved, Closed).
* **Reporting:**
  + Daily test updates in the team communication channel.
  + End-of-sprint **Test Summary Report** delivered to QA Lead and Project Manager.

**11. Dependencies**

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| **Dependency** | **Description** | **Owner / Responsible** |
| **Test Data** | Valid user accounts and sample products | Test Planner (Youssef) |
| **Test Design Documents** | Test cases, checklist, acceptance criteria | QA Lead (Mariam) |
| **Network & Access Permissions** | Stable internet connection and credentials | All Testers |
| **Browser Availability** | Chrome, Edge, Firefox for cross-browser checks | All Testers |
| **Requirement Clarity** | User stories and acceptance criteria | Product Owner / Test Recorder (Nayera) |

**12. Test Environment**

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| --- | --- |
| **Component** | **Details** |
| **Test URL** | [https://demo.opencart.com/](https://demo.opencart.com) |
| **Environment Type** | Web |
| **Browser Configurations** | Google Chrome , Mozilla Firefox, Microsoft Edge |
| **Operating System** | Windows 11 /10 |
| **Test Data** | Manually created accounts and sample products from the demo site |
| **Tools Used** | → Google Sheets / Excel (Test Cases & Defect Log) →Postman (for API validation) →Screenshot tools (for defect evidence) |
| **Access Control** | Public access |