

nopCommerce

Test Plan

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Table of Contents

1. Introduction.....	1
2. Scope.....	1
2.1 In Scope	1
2.2 Out of Scope	1
3. Test Schedule.....	2
4. Test Approach.....	2
4.1 Tools Used:	2
5. Entry criteria and resumption requirements	3
6. Acceptance Criteria	3
7. Milestones / Deliverables	3
7.1 Before Testing	3
7.2 During Testing	3
7.3 After Testing	3
8. Test Environment	3
9. Responsibilities.....	4
10. Sign-Off	4

1. Introduction

This document provides the testing strategy and approach required to ensure that the requirements mentioned in the SRS documentation of the nopCommerce are tested adequately, and that the required level of quality and reliability of the software deliverables is attained.

2. Scope

2.1 In Scope

The document mainly targets the Automation Testing in the SRS Documentation provided.

- Home Page
- Register
- Login
- Wishlist
- Shopping Cart
- Currencies dropdown list
- Search
- Computer
 - Desktops Page
- Logout
- Footer

2.2 Out of Scope

- Electronics
- Apparel
- Digital downloads
- Books
- Jewelry
- Gift Cards

3. Test Schedule

Task	Date (Day)
<ul style="list-style-type: none">- Learn about requirements- Assign requirements- Write test plan- Write SRS- Design RTM- Design TCs	31-August (Sunday)
<ul style="list-style-type: none">- Automation Coding- Deploy GitHub- Bug Reports	01-August (Monday) 02-August (Tuesday)
<ul style="list-style-type: none">- Reports- Check everything- Presentation File	03-August (Wednesday)
<ul style="list-style-type: none">- Presentation File	04-August (Thursday)
<ul style="list-style-type: none">- Sprint Meeting with Mr. Mamoun	05-August (Friday)

4. Test Approach

The project follows an Agile approach with daily iterations. At the end of each day, specific requirements for that iteration will be delivered to the team for validation. The testing process will include Automation Testing to ensure that the entire workflow functions that mentioned in SRS Documentation are correct from start to finish.

4.1 Tools Used:

- Eclipse (Testing), Trello (Organizing Tasks), GitHub (Deploy Code), Excel, Word, PowerPoint, Google Drive.
- Frameworks: TestNG, Selenium. || Java as Programming Language

- Mockaroo: Generate Test data for registration and login.

5. Entry criteria and resumption requirements

Testing may be suspended if specific entry criteria are not met. For example, issues such as incomplete builds, missing test data, or environmental problems, the testing team will stop working. Testing will only resume once these problems are fixed and everything needed is ready and working properly.

6. Acceptance Criteria

- Cross-Browser Compatibility: The application must work correctly on at least Chrome without layout or functionality issues.
- Automation Execution Quality: Automated test cases must achieve at least 85% pass rate, and the full test suite should execute within 10 minutes.

7. Milestones / Deliverables

7.1 Before Testing

- Analyze Requirements
- Test Plan, Design Test Cases

7.2 During Testing

- Execute Test Cases, Bug Reports.

7.3 After Testing

- RTM
- Test Summary Report.

8. Test Environment

- Eclipse (Selenium with TestNG and JAVA)
- OS: Windows 10 and 11
- Browsers: Chrome

9. Responsibilities

Role	Staff member	Responsibilities
Project Manager	Mamoun	<ol style="list-style-type: none">1. Acts as a primary contact for the development and QA team.2. Responsible for the Project schedule and the overall success of the project.
QA Lead	Abdelrahman	<ol style="list-style-type: none">1. Participation in the project plan creation/update process.2. Planning and organization of the test process for the release.3. Coordinate with QA analysts/engineers on any issues/problems encountered during testing.4. Report progress on work assignments to the PM
QA Team	Majd, Yosef, Aya	<ol style="list-style-type: none">1. Understand requirements2. Writing and executing Test cases3. Preparing RTM4. Reviewing Test cases, RTM5. Defect reporting and tracking6. Retesting and regression testing7. Bug Review meeting8. Preparation of Test Data9. Coordinate with QA Lead for any issues or problems encountered during test preparation/execution/defect handling

10. Sign-Off

- **Product Manager:** Mamoun Sobh
- **QA Lead:** Abdelrahman Murad
- **QA Team:** Majd Abu Hassanien, Yousef Sabet, Aya Shanteer
- **Date of Approval:** 4/9/2025