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Date: May 08, 2025

Test Plan

Project Name:  
Productivity Suit

Prepared By:  
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# Table of Contents

Introduction.....	2
Objective.....	2
Scope.....	2
Testable features.....	2
Testing approach.....	3
Test Environment.....	3
Roles/Responsibilities.....	4
Test Schedule.....	4
Test Deliverables.....	5
Entry & Exit Criteria.....	6
Tools.....	7
Risks and Mitigation plans.....	7
Approvals.....	7
Mind Map.....	8

## Introduction

This Test Plan outlines the overall testing strategy, objectives, scope, resources, schedule, and approach for testing the Demo Web Shop e-commerce application. It ensures all features meet the functional and non-functional requirements, providing a quality user experience.

AUT : <https://demowebshop.tricentis.com/>

## Objective

The main objective of this testing effort is to validate that all functionalities of the Demo Web Shop website perform as expected, including product navigation, user registration, cart management, checkout, and account handling across different devices and browsers.

## Scope

### In-Scope:

- Functional testing of web elements like registration, login, product search, cart management, etc.
- UI responsiveness on multiple screen sizes.
- Cross-browser compatibility.

### Out-of-Scope:

- Load and stress testing.
- Security vulnerability testing.
- Backend database and API performance tuning.

## Testable Features

- Homepage navigation (header, footer, search)
- Product category display and filtering
- Product details page
- Add/remove items in the cart
- Checkout with payment and address info
- Login, registration, and profile update
- Wishlist and order history
- Responsive layout on mobile, tablet, desktop

## Testing Approach

### ➤ **Testing Types :**

- Functional Testing
- UI Testing
- Usability Testing
- Regression Testing
- Performance Testing

### ➤ **Testing Methodologies:**

- Black Box Testing
- White Box Testing
- Load & Stress Testing
- Exploratory Testing

### ➤ **Testing Environment:**

- QA Environment

### ➤ **Operating System:**

- Windows 11 and above

## Test Environment

- **Hardware Requirements:** Desktop, laptop, tablet, and mobile devices
- **Software Requirements:** Windows, macOS, iOS, Android
- **Browsers:** Chrome, Firefox, Edge, Safari
- **Network:** 4G, 5G, broadband internet
- **Test Data:** User credentials, sample tasks, uploaded file

## Roles and Responsibilities

Roles	Responsibilities
Test Manager	<ul style="list-style-type: none"><li>✓ Oversees testing strategy</li><li>✓ Manages team</li><li>✓ Reports progress</li></ul>
Test Engineer	<ul style="list-style-type: none"><li>✓ Execute test cases</li><li>✓ Report defects</li><li>✓ Conduct retesting</li></ul>
Developer	<ul style="list-style-type: none"><li>✓ Fix defects and provide technical support for testing</li></ul>
Business Analyst	<ul style="list-style-type: none"><li>✓ Ensures requirements are met in testing</li></ul>
Project Manager	<ul style="list-style-type: none"><li>✓ Ensures testing aligns with project timelines</li></ul>

## Test Schedule

Following is the test schedule planned for the subject:

Task	Start Date	End Date
Test Plan Creation	06-May-2025	10-May-2025
Test Scenario Creation	06-May-2025	10-May-2025
Test Case Creation	06-May-2025	10-May-2025
Test Case Execution	06-May-2025	10-May-2025
Bug Report	06-May-2025	10-May-2025
Summery Report	06-May-2025	10-May-2025

## Test Deliverables

<b>Deliverable</b>	<b>Description</b>	<b>Completion Date</b>
Test Plan	Outlines the testing approach, strategies, and scope for the Amazon web application.	10-May-2025
Test Scenario	Test Scenarios created for all mentioned objectives	10-May-2025
Test Case	Test Cases created for both functional testing and compatibility testing	10-May-2025
Bug Report	Detailed description of the defects identified in different versions of application.	10-May-2025
Summary Report	Detailed overview of the status of all test cases conducted, along with suggestions for improvement.	10-May-2025

## Entry and Exit Criteria

The below are the entry and exit criteria for every phase of Software Testing Life Cycle:

### Requirement Analysis

➤ **Entry Criteria:**

- ✚ Receives the Requirement documents of the project includes what functions need to be tested and how the software should behave. →

➤ **Exit Criteria:**

- ✚ Tester should thoroughly explore and understand each requirement listed in the documents. Any doubts or uncertainties regarding the requirements should be addressed and clarified.

### Test Planning

➤ **Entry Criteria:**

- ✚ Testable Requirements derived from the given Requirements documents. Test Plan document includes the Test Strategy, which provides a high-level overview of how testing will be conducted.

➤ **Exit Criteria:**

- ✚ Test Plan is signed-off by the Client.

### Test Designing

➤ **Entry Criteria:**

- ✚ The Test Plan document needs to be reviewed and approved by the client and then Test Plan Document is signed-off by the Client

➤ **Exit Criteria:**

- ✚ Test Scenarios and Test Cases prepared, reviewed, and signed-off by Client.

### Test Execution

➤ **Entry Criteria:**

- ✚ Test Scenarios and Test Cases reviewed and approved by the client. Application is ready for further Testing

➤ **Exit Criteria:**

- ✚ Test Case Reports and Defect Reports ready

### Test Closure

➤ **Entry Criteria:**

- ✚ Test Case Reports and Defect Reports are ready →

➤ **Exit Criteria:**

- ✚ Test Summary Reports, it overviews of the entire testing process

## Tools

The following are the list of Tools we will be using in this Project:

- X mind map Tool
- Microsoft Excel
- Microsoft Word
- Slack – collaboration

## Risk and Mitigation Plans

<b>Risk</b>	<b>Mitigation Plan</b>
Unclear requirements	Regular communication with stakeholders
Test environment issues	Early setup and continuous monitoring
High defect leakage	Implement rigorous regression testing
Performance issues	Conduct performance testing before deployment
Security issues	Perform penetration testing and code reviews

## Approvals

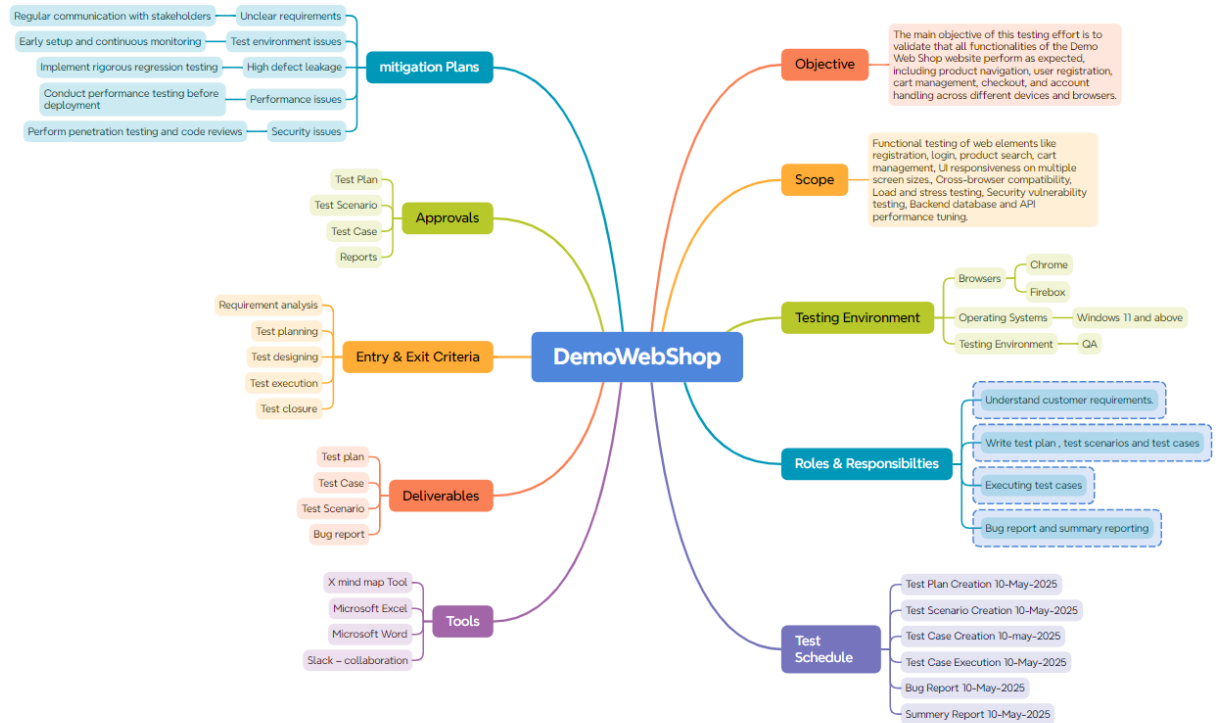
Below are the documents required for Client Approval :

- Test Plan
- Test Scenarios
- Reports

Testing will only continue to the next steps once these approvals are done



# Mind Map



Presented with X-Mind