**Purpose of the Document**

Use the Test Plan document to describe the testing approach and overall framework that will drive the testing of the project.

***Template Instructions***

*Note that the information in italics is guidelines for documenting testing efforts and activities. To adopt this template, delete all italicized instructions and modify as appropriate*

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# Introduction

## Purpose

*The purpose of this test plan is to ensure that the product has a high quality and to ensure that all its functionalities work as expected. The testing approach will basically depend on exploratory and functionality testing.*

## Project Overview

*The product is an e-commerce website with basic e-shopping functionalities as well as some additional features.*

# Scope

## In-Scope

* *Registration / Login*
* *Product browsing and interactions*
* *Cart & Checkout*
* *Account management*
* *Contact & Info*

## Out-of-Scope

* *Performance Testing*
* *Security Testing*
* *API Testing*
* *Placeholders (some of the info content, and some products)*

# Testing Strategy

## Test Objectives

*Making sure all the following functionalities work as expected:*

* *Registration, login/logout, and forget password processes*
* *Browsing, searching, and filtering products as well as adding them to either the cart or the wishlist.*
* *The Checkout and payment processes.*
* *The account management features, such as editing users' info, changing the password, or adding addresses, etc.*

*Making sure there aren’t any linguistic errors, either in error messages or the website content.*

## Test Assumptions

* *No changes will be made to the website during the testing phase (since we don’t control the environment).*
* *All testers have the necessary access and tools (browsers, internet, test accounts, etc.).*
* *The site’s data resets periodically or remains unchanged, and any data entered during testing may be visible to others.*
* *We assume that no integration with third-party systems (like real payment gateways) is functional, and payment simulations are safe.*

## Data Approach

* We will use dummy/test data such as fake names, emails, and addresses to register accounts and place orders.
* *Data will be created manually by testers during execution (e.g., creating user accounts, adding products to cart).*
* *We’ll cover test data variations such as:*

*- Valid vs. invalid user inputs (e.g., incorrect email formats)*

*- Boundary values (e.g., quantity = 0 or very high)*

*- Different user types (guest vs. registered)*

* *Each tester will document their own test data and avoid using real personal data.*
* *Since the website is shared publicly, test data may be visible to others and might be reset without notice.*

## Level of Testing

*List the types of testing to be performed*.

| **Test Type** | **Description** |
| --- | --- |
| Functional Testing | Verify that each function of the website (registration, login, product search, adding to cart, etc.) works according to its expected behavior. |
| UI/UX Testing | Validate that the user interface is visually correct, consistent, and user-friendly (buttons visible, text readable, layouts aligned). |
| Exploratory Testing | Informal testing to discover unexpected issues through free exploration of the website. |
| Acceptance Testing (User-based) | Check if the website behaves as expected from an end-user perspective (for example: can the user complete a purchase successfully?). |

## Functional Testing

*Specify what features are to be tested.*

Participants:

| **Tester’s Name** | **Department/ Area** | **Role** |
| --- | --- | --- |
| Muhammad Emad | Authentication | Tester |
| Ali Ashour | Browsing & Searching + Contact & Info | Tester |
| Ahmed Kamal | Product Interaction | Tester |
| Moaz Elsayed | Shopping Cart | Tester |
| Nourhan Ayman | Checkout & Payment + Account Management | Tester |

# Execution Strategy

## Entry Criteria

* The website is accessible and stable.
* All major modules and pages are available.
* Test environment and devices are ready.
* Test data is prepared.
* Test Plan and Test Cases are reviewed and approved by the QA team.
* All required testing tools are available
* The QA team is assigned and aware of their roles and responsibilities.

## Exit criteria

* All planned test cases have been executed (including positive and negative scenarios).
* All critical and high-severity defects have been reported in the bug tracking system or test report.
* No critical or blocker issues remain open that prevent main features from working (e.g., login, checkout).
* Test summary report has been prepared and reviewed by the QA team.
* All test deliverables are submitted (Test Plan, Test Cases, Bug Report, Summary Report).

## Validation and Defect Management

* *The QA team will manually validate all test cases and scenarios according to the defined acceptance criteria and expected results.*
* *Each tester is responsible for executing their assigned test cases, documenting the results, and logging any defects found during execution.*
* *Defects will be reported, tracked, and reviewed internally within the QA team using Jira.*
* *Each defect will be reviewed by another tester (peer review) before being marked as closed or resolved.*
* *The QA team will ensure that all valid defects are clearly described, categorized by severity, and supported with screenshots or steps to reproduce.*

Defects found during the Testing should be categorized as below:

| **Severity** | **Impact** |
| --- | --- |
| *1 (Critical)* | * *Functionality is completely blocked, and no testing can proceed. The feature is unusable in the current state.* |
| *2 (High)* | * *Functionality is not usable, and there is no workaround, but other testing can proceed.* |
| *3 (Medium)* | * *Functionality issue exists, but there is a workaround for achieving the desired functionality.* |
| *4 (Low)* | * *Minor issues such as unclear messages, layout misalignment, or cosmetic errors with minimal impact.* |

# Environment Requirements

## Test Environments

*Testing will be performed on the live demo website:*

[*https://demowebshop.tricentis.com/*](https://demowebshop.tricentis.com/)

*The environment includes:*

* ***Platform:*** *Web-based (no backend access)*
* ***Browsers:*** *Google Chrome, Microsoft Edge, Mozilla Firefox (latest versions)*
* ***Devices:*** *Desktop, and Mobile Browser (responsive testing)*
* ***Operating Systems:*** *Windows 10 / 11, Android (for mobile view)*
* ***Internet Connection:*** *Stable broadband required*
* ***Test Data:*** *Dummy user accounts and product data created by QA team*

### *Security Requirements:*

* *Testers will not perform any payment using real credit cards.*
* *Use only dummy or fake test data for registration and checkout.*
* *Devices: Desktop, and Mobile Browser (responsive testing)*
* *Access is through HTTPS, and no internal or restricted environment is required.*
* *Ensure test results and screenshots are stored securely.*

# Dependencies

*Testing activities depend on the following:*

* ***Website Availability:*** *The live demo website must remain accessible during the testing period.*
* ***Test Data Availability:*** *Dummy accounts and products must exist and be usable.*
* ***Resource Availability:*** *Testers must have stable internet, access to browsers, and shared tracking files.*
* ***Team Coordination:*** *All testers must follow the same schedule for execution and reporting.*
* ***Deadlines:*** *Testing and reporting should be completed within the time frame defined by the DEPI assignment schedule.*