# E-COMMERCE WEBSITE

# TEST PLAN

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## MAY, 2023

# Table of Contents

# Test Plan

# Change Log

| Date | Version | Author | Description |
|------|---------|--------|-------------|
| 20 May 2023 | 1.0 | Numaira Zaib | Test Plan Creation |
| 23 May 2023 | 1.1 | Numaira Zaib | Test Plan Modification |
|  |  |  |  |

# 1   INTRODUCTION

## 1.1 Objectives:
The main objectives of testing are to ensure the website functions properly, meets user requirements, and provides a satisfactory user experience.

## 1.2 Scope:
The test plan covers the testing activities to be performed on the website's major components, including product browsing, shopping cart, payment processing, user registration, and account management.

## 1.3 Purpose:
The purpose of this test plan is to outline the approach and activities for manual testing of the e-commerce website.

# 2   TEST STRATEGY

## 2.1 Testing Approach:
Manual testing techniques will be used for the verification and validation of the website.

## 2.2 Testing Levels:
The testing will include unit testing, integration testing, system testing, and acceptance testing.

## 2.3 Testing Types:
Functional testing, usability testing, performance testing, security testing, compatibility testing, and user acceptance testing.

# 3   TEST ENVIRONMENT

## 3.1 Browsers:
Specify the supported browsers and their versions for testing.

## 3.2 Operating Systems:
Identify the operating systems on which the website will be tested.

## 3.3 Devices:
Specify the devices (desktop, mobile, tablet) to be used for testing.

## 3.4 Test Data:
Identify the types of test data required for various test scenarios.

# 4   TEST CASES

## 4.1 Test Case Identification:
Create unique identifiers and names for each test case.

## 4.2 Test Case Description:
Provide a clear description of each test case, including the steps to be executed.

## 4.3 Test Data:
Specify the necessary test data to be used for each test case.

## 4.4 Expected Results:
Define the expected outcomes for each test case.

## 4.5 Preconditions:
Specify any necessary preconditions for executing the test cases.


# 5   TEST EXECUTION

## 5.1 Test Case Prioritization:
Prioritize the test cases based on risk, criticality, and functional importance.

## 5.2 Test Execution Approach:
Execute test cases manually following the defined steps.

## 5.3 Test Data Preparation:
Prepare the required test data for each test case.

## 5.4 Defect Logging:
Log any defects encountered during the testing process.

## 5.5 Test Progress Tracking:
Monitor and track the progress of test execution.


# 6   Defect Management

## 6.1 Defect Reporting:
Define the process for reporting defects, including the necessary information to be included in defect reports.

## 6.2 Defect Tracking:
Utilize a defect tracking tool or spreadsheet to log and track defects.

## 6.3 Defect Severity and Priority:
Assign appropriate severity and priority levels to reported defects.

# 7    Test Coverage

## 7.1 Functional Coverage:
Ensure that all functional requirements are covered by the test cases.

## 7.2 Usability Coverage:
Validate the website's user-friendliness and ease of use.

## 7.3 Performance Coverage:
Verify the website's responsiveness, loading time, and scalability.

## 7.4 Security Coverage:
Test the website's security measures to protect user data and prevent unauthorized access.

## 7.5 Compatibility Coverage:
Validate the website's compatibility with different browsers, devices, and operating systems.

# 8    Test Completion Criteria

Specify the conditions that must be met to consider testing complete (e.g., all test cases executed, critical defects fixed).

# 9    Risks and Contingency Plans

Identify potential risks and issues that may impact testing and define contingency plans to address them.

# 10  Test Sign-Off and Closure

Specify the criteria for test completion and acceptance.
Prepare a test summary report highlighting the testing activities, results, and any outstanding issues.