

Test Plan (YourLogo)

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Objective

The purpose of the "My Shop" website is to provide an online platform for users to browse and purchase products/services offered by the business.

Scope

The website will include features such as product catalogue, user registration/login, shopping cart functionality, secure checkout process, order management, and integration with payment gateways.

The types of testing that will be performed, such as manual testing, automated testing, performance testing, and accessibility testing.

The criteria that will be used to evaluate the success of the testing, such as the number of defects found, the time taken to complete the testing, and user satisfaction ratings.

The tools and equipment that will be used for testing, such as testing software, hardware, and documentation templates.

Inclusions

Introduction: This section would provide an overview of the test plan, including its purpose, scope, and goals.

Test Objectives: This section would outline the specific objectives of the testing, such as identifying and fixing defects, improving the user experience, or achieving a certain level of performance.

- Registration
- Search Field
- Contact Us
- Women
- Dress
- Tshirt
- Newsletter & follow us
- Blog
- My account
- Cart
- Information

Test Environments

The **operating systems** and versions that will be used for testing, such as Window OS, macOS, or Linux.

The **device types and screen sizes** that will be used for testing, such as desktop computers, laptops, tablets, and smartphones.

The **network connectivity and bandwidth** that will be available for testing, such as Wi-Fi, cellular, or wired connections.

The hardware and software requirements for running the test cases, such as a specific processor, memory, or storage capacity.

The **security protocols and authentication methods** that will be used to access the test environment, such as passwords, tokens, or certificates.

- Windows 10,11 – Chrome, Firefox and Edge
- Mac OS – Safari Browser
- Android Mobile OS – Chrome
- iPhone Mobile OS – Safari

Defect Reporting Procedure

The criteria for identifying a defect, such as deviation from the requirements, user experience issues, or technical errors.

The steps for reporting a defect, such as using a designated template, providing detailed reproduction steps, and attaching screenshots.

The tools and systems that will be used for tracking and managing defects, such as a defect tracking software or a project management tool.

The roles and responsibilities of the team members involved in the defect reporting process, such as testers, developers, and the test lead.

Tools - JIRA

Test Strategy

The first step is to create test scenarios and test cases for the various features in Scope.

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While developing test cases, we'll use a number of test design techniques.

- o Equivalence Class Partition
- o Boundary Value Analysis
- o Decision Table Testing
- o State Transition Testing
- o Use Case Testing

We also use our expertise in creating Test Cases by applying the below:

- o Error Guessing
- o Exploratory Testing

Step 2: Our testing procedure when we receive a request for testing:

- First, we'll conduct smoke testing to see if the various and important functionalities of the application are working.
- We reject the build, if the Smoke Testing fails and will wait for the stable build before performing in depth testing of the application functionalities.
- Once we receive a stable build, which passes Smoke Testing, we perform in depth testing using the Test Cases created.
- Multiple Test Resources will be testing the same Application on Multiple Supported Environments simultaneously.

We then report the bugs in bug tracking tool and send dev. management the defect found on that day in a status end of the day email.

As part of the Testing, we will perform the below types of Testing:

- o Smoke Testing and Sanity Testing
- o Regression Testing and Retesting
- o Usability Testing, Functionality & UI Testing
- We repeat Test Cycles until we get the quality product.

Step3 – We will follow the below best practices to make our Testing better:

- **Context Driven Testing** – We will be performing Testing as per the context of the given application.
- **Shift Left Testing** – We will start testing from the beginning stages of the development itself, instead of waiting for the stable build.

• **Exploratory Testing** – Using our expertise we will perform Exploratory Testing, apart from the normal execution of the Test cases.

• **End to End Flow Testing** – We will test the end-to-end scenario which involve multiple functionalities to simulate the end user flows

Test Schedule

Following is the test schedule planned for the project –
Task Time Duration

Task	Dates
▪ Creating Test Plan	
▪ Test Case Creation	
▪ Test Case Execution	
▪ Summary Reports Submission Date	

Test Deliverables

Deliverables	Description	Target completion date
Test Plan	Details on scope of the project, Test strategy, Test schedule, resource requirements, test deliverables and schedule	date
Functional Test Cases	Test cases created for the scope defined	date
Defect Reports	Detailed description of defects Identified along with the screenshots and steps to reproduce on daily basis	date
Summary Reports	Summary reports- Bugs by #bug Bugs by functional area and priority	date

Entry and Exit Criteria

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

Entry Criteria:

- Once the testing team receives the Requirements Documents

Exit Criteria:

- List of Requirements are explored and understood by the Testing team
- Doubts are cleared

Test Execution

Entry Criteria:

- Test Scenarios and Test Cases Documents are signed-off by the Client
- Application is ready for Testing

Exit Criteria:

- Test Case Reports, Defect Reports are ready

Test Closure

Entry Criteria:

- Test Case Reports, Defect Reports are ready

Exit Criteria:

- Test Summary Reports

Tools

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

- JIRA Bug Tracking Tool
- Snipping Screenshot Tool
- Word and Excel documents

Risk and mitigations

The following are the list of risks possible and the ways to mitigate them:

Risk: Non-Availability of a Resource

Mitigation: Backup Resource Planning

Risk: Build URL is not working

Mitigation: Resources will work on other tasks

Risk: Less time for Testing

Mitigation: Ramp up the resources based on the Client needs dynamically

Approvals

Team will send different types of documents for Client Approval like below:

- Test Plan
- Test Scenarios
- Test Cases
- Reports

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