

TEST PLAN FOR TOOLS QA

ChangeLog

Version	Change Date	By	Description
version number	Date of Change	Name of person who made changes	Description of the changes made

1	INTRODUCTION	2
1.1	SCOPE	2
1.1.1	<i>In Scope</i>	2
1.1.2	<i>Out of Scope</i>	3
1.2	QUALITY OBJECTIVE	3
1.3	ROLES AND RESPONSIBILITIES	4
2	TEST METHODOLOGY	5
2.1	OVERVIEW	5
2.2	TEST LEVELS.....	5
2.3	BUG TRIAGE	5
2.4	SUSPENSION CRITERIA AND RESUMPTION REQUIREMENTS	5
2.5	TEST COMPLETENESS.....	5
3	TEST DELIVERABLES.....	6
4	RESOURCE & ENVIRONMENT NEEDS.....	7
4.1	TESTING TOOLS	7
4.2	TEST ENVIRONMENT.....	7
5	TERMS/ACRONYMS	8

1 Introduction

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project Tools QA.

The plan identify the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

1.1 Scope

1.1.1 In Scope

Description of Modules

Module Name	Applicable Roles	Description
Elements	User	User: User can access different elements such as Text box, check box, radio button, etc...
Forms	User	User: User can access Form for practicing automation testing.
Alerts, Frame & Windows	User	User: User can access Alert, Frames and Windows to practice automation testing through Alerts, Frame & Windows module.
Widgets	User	User: User can access slider, date picker, Auto-complete to practice automation testing through widget module.
Interactions	User	User: User can access the sortable, selectable, resizable elements to practice automation testing through Interactions module.

Book Store Application	User	User: User here can access a sample web application called book store application to practice automation testing.
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1.1.2 Out of Scope

- Hardware Interfaces
- Software Interfaces
- Database logical
- Communications Interfaces

1.2 Quality Objective

The test objectives are to verify the Functionality of website Tools QA, The needs of the client should be the project's primary priority. Users must be able to use this online application and use its modules to practice automated testing. according to the client's requirements Elements, Forms, Alerts, Frames, Windows, Widgets, Interactions, and the Book Store application are the modules. Need to that User could access this web application effectively.

- Ensure the Application Under Test conforms to functional and non-functional requirements
- Ensure the AUT meets the quality specifications defined by the client
- Bugs/issues are identified and fixed before go live

1.3 Roles and Responsibilities

S.No	Role	Responsibility
1	Test Manager	Manage the whole project Define project directions Acquire appropriate resources
2	Test	Identifying and describing appropriate test techniques/tools/automation architecture Verify and assess the Test Approach Execute the tests, Log results, Report the defects. Outsourced members ³
3	Developer in Test	Implement the test cases, test program, test suite etc.
4	Test Administrator	Builds up and ensures test environment and assets are managed and maintained Support Tester to use the test environment for test execution

2 Test Methodology

2.1 Overview

This web application must adhere to agile methodology. since it allows for quick modifications to requirements and eliminates the need for the client to wait until the cycle is finished.

2.2. Test Levels

In the project Claim Zippy, there're 4 types of testing should be conducted.

- **Integration** Testing (Individual software modules are combined and tested as a group)
- **System** Testing: Conducted on a **complete, integrated** system to evaluate the system's compliance with its specified requirements
- **Functional Testing.**
- **Usability Testing.**
- **API Testing.**

2.2 Bug Triage

2.3 Suspension Criteria and Resumption Requirements

If the team members report that there are **40%** of test cases **failed**, suspend testing until the development team fixes all the failed cases.

2.4 Test Completeness

- Specifies the criteria that denote a **successful** completion of a test phase.
- **Run** rate is mandatory to be **100%** unless a clear reason is given.
- **Pass** rate is **80%**, achieving the pass rate is **mandatory**.

3.Test Deliverables

Test deliverables are provided as below

Before testing phase:

- Test plans document.
- Test cases documents
- Test Design specifications.

During the testing:

- Test Tool Simulators.
- Test Data
- Test Trace-ability Matrix – Error logs and execution logs.

After the testing cycles is over:

- Test Results/reports
- Defect Report
- Installation/ Test procedures guidelines
- Release notes

4.Resource & Environment Needs

4.1.Testing Tools

S.No	Resources	Description
1	Server	Need a Database server which install <u>MySQL</u> server Web server which install Apache Server
2	Test Tool	Develop a Test tool which can auto generate the test result to the predefined form and automated test execution
3	Network	Setup a LAN Gigabit and 1 internet line with the speed at least 5 Mb/s
4	Computer	At least 4 computer run Windows 7, Ram 2GB, CPU 3.4GHZ

4.2.Test Environment

It mentions the minimum **hardware** requirements that will be used to test the Application.

Following **software's** are required in addition to client-specific software.

- Windows 8 and above.
- Office 2013 and above.
- Google Chrome Browser.
- Microsoft Edge Browser.

5.Terms/Acronyms

TERM/ACRONYM	DEFINITION
API	Application Program Interface
AUT	Application Under Test