**TEST PLAN FOR**

**<<GURU99 BANKING WEBSITE>>**

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**1 INTRODUCTION**

The Test Plan is designed to state the scope, approach, resources, and schedule of all testing activities of the ‘Guru99 Banking Website’ project.

The plan identifies 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**

All the features of ‘Guru99 Banking Website’ which were defined in software requirements need to be tested. Functional testing is in scope and needs to be tested.

**1.1.2 Out of Scope**

These features are not to be tested because they are not included in the software requirement specs:

* Non-functional testing like stress, performance.
* Automation testing.

**1.2 TEST OBJECTIVE**

The test objectives are to verify the functionality of Guru99 Banking Website. The project should focus on testing the banking operations such as account management, withdrawal, balance etc. to guarantee all these operations can work normally in a real business environment and to ensure that bugs/defects are identified and fixed before the application goes live.

**1.3 ROLES AND RESPONSIBILITIES**

* Test Manager – Coordinates all the testing activities etc.
* Test Lead – Creates test plan, designs and executes test cases, logs defects, coordinates test execution, verify validity of the defects being reported etc.
* Test Analyst – Designs and executes test cases, logs defects etc.

**2 TEST METHODOLOGY**

**2.1 Overview**

The test methodology selected for the project is V-model.

**2.2 Test Levels**

In the project Guru99 Bank Website, there are two types of testing that will be conducted:

* Integration testing
* System testing

## **2.3 Bug Triage**

The goal of the triage is to:

* define the type of resolution for each bug
* prioritize bugs and determine a schedule for all “To Be Fixed Bugs’.

**2.4 Suspension and Resumption Criteria**

If the team members report that **40%** of test cases **fail**, suspend testing until the development team fixes all the failed test cases. If there are changes in the requirements, suspend testing until they are implemented. Based on the client decision, we will suspend and resume the Project.

**2.5 Test Completeness/criteria to close testing**

The criteria to close testing are as follows:

* 100% test coverage
* All test cases executed
* All open bugs are fixed or will be fixed in the next release.

**3 TEST DELIVERABLES**

The test artifacts/deliverables used for the project are:

* Test Plan
* Test Cases
* Requirement Traceability Matrix
* Bug/defect Report
* Test Report
* Test closure report

**4 RESOURCE & ENVIRONMENT NEEDS**

**4.1 Testing/Bug Tracking Tools**

Testing/bug tracking tools required for the project are:

* Zephyr
* Jira
* MS Excel

**4.2 Test Environment**

The following arerequired for the project.

* Windows 8 and above
* Browser – Chrome version 27 and above
* Network
* Test data

**5 Test Schedules**

The time it will take to complete the entire testing is stated below:

Aug 17 – Aug 24 Review/analysis/test plan

Aug 28 - Sept 5 Test design

Sept 11 - Sept 20 Test execution

Sept 21 Summary Reports Submission

**6 Risk and Mitigations**

The risks that may slow down the delivery of the project are downtime, parental leave, sick leave, shortage of testers.