

# **TEST PLAN**

**FOR**

## **ITF MANUAL TESTING COURSE**

**- GURU99 Banking Demo Webapp –**  
**Ver 1.3 – 15/11/2013**

GENERAL INFORMATION	
Customer	Guru99 Tech. Pvt. LTD
Project name:	Guru99 Banking Website
Created by (Author)	Dragos NECHIFOR
Preparation date	15.11.2023
Version	1.3
Status	Released
Documentation:	SRS ver 1.3

REVISION HISTORY			
Date	Description	Author	Comments
25/10/2013	Version 1	Sam Patrick	Initial Draft
30/10/2013	Version 1.1	Sam Patrick	Added section 5.Change management process
5/11/2013	Version 1.2	Sam Patrick	Added section 3.7 Design constraints
15/11/2013	Version 1.3	Sam Patrick	Typo;s Fixed

SPECIAL CONSIDERATIONS
Changes to the SRS either from the development, testing team or the client side will be communicated to the project sponsor Mr Krishna Rungta.
Any change made to the SRS will require a sign off from the Development lead , QA lead and the client.
Once approved changed will be made to the SRS and the new SRS will be circulated to all stakeholders

## **SUMMARY**

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## 1. INTRODUCTION

### 1.1. General Information

This test plan describes the methods and procedures that will be used in the testing procedures of project: Guru99 banking website app: <https://demo.guru99.com/>  
The objective of the testing activities is to check functions and features provided by the guru99 net banking facilities offered to its customers.

### 1.2. Purpose

The purpose of this test plan is to be used and followed like a manual during the testing process by project managers, product developers and QA engineers.

The plan identify which items and feature will be tested, the types of testing would be performed, the resources and the personnel required for testing process, the risks associated and the schedule to complete testing.

All the test execution results will be send as reports. All found bugs will be reported, tracked and retested after debugging.

## 2. SCOPE OF TESTING

### 2.1. IN SCOPE – will be tested

Functional Testing of guru99 web banking features defined in SRS ver 1.3 are need to be tested:

Module Name	Aplicable Roles	Description
<b>Balance Enquiry</b>	Manager Customer	<b>Manager:</b> A manager can view balance of all the customers who come under his supervision <b>Customer:</b> A customer can have multiple bank accounts. He can view balance of his accounts only
<b>Fund Transfer</b>	Manager Customer	<b>Manager:</b> A manager can transfer funds from any source bank account to destination account <b>Customer:</b> A customer can have transfer funds from his “own” account to any destination account.
<b>Mini Statement</b>	Manager Customer	A Mini statement will show last 5 transactions of an account <b>Manager:</b> A manager can see mini-statement of any account <b>Customer:</b> A customer can see mini-statement of only his “own” accounts
<b>Customized Statement</b>	Manager Customer	A customized statement allows you to filter and display transactions in an account based on date, transaction value <b>Manager:</b> A manager can see Customized -statement of any account <b>Customer:</b> A customer can see Customized- statement of only his “own” accounts

<b>Change Password</b>	Manager Customer	<b>Manager:</b> A manager can change password of only his account. He cannot change passwords of his customers <b>Customer:</b> A customer can change password of only his account.
<b>New Customer</b>	Manager	<b>Manager:</b> A manager can add a new customer.
<b>Edit Info of Customer</b>	Manager	<b>Manager:</b> A manager can edit details like address, email, telephone of a customer.
<b>New Account</b>	Manager	Currently system provides 2 types of accounts: 1. Saving, 2. Current A customer can have multiple saving accounts (one in his name, other in a joint name etc). He can have multiple current accounts for different companies he owns. Or he can have a multiple current and saving accounts. <b>Manager:</b> A manager can add a new account for an existing customer.
<b>Edit Account</b>	Manager	<b>Manager:</b> A manager can add a edit account details for an existing account
<b>Delete Account</b>	Manager	<b>Manager:</b> A manager can add a delete an account for a customer.
<b>Delete Customer</b>	Manager	A customer can be deleted only if he/she has no active current or saving accounts <b>Manager:</b> A manager can delete a customer.
<b>Deposit</b>	Manager	<b>Manager:</b> A manager can deposit money into any account. Usually done when cash is deposited at a bank branch.
<b>Withdrawal</b>	Manager	<b>Manager:</b> A manager can withdraw money from any account. Usually done when cash is withdrawn at a bank branch.

## 2.2. Out of SCOPE – will not be tested

Beyond scope of this project:

- Non-functional testing like stress, performance;
- Automation testing;
- Cross Browser or Cross Platform testing (as specs the banking site will be only compatible with Chrome version 27 or above)

The following features are not included in this version of the Software Requirement Specs and will not be tested:

- User Interfaces

- Hardware Interfaces
- Software Interfaces
- Communication interfaces
- Database logical
- Website Security and Performance

### 3. TEST OBJECTIVES

The test objectives are to verify the functionality of the website Guru99 Bank in real business environment to assure the quality of the application according to its specifications and requirements, the correctness and usability considering the customers' needs and the market competition.

### 4. WORK PLAN

The parties agreed to follow the next work plan:

- Test plan preparation
- Test plan approval
- Functional testing and bugs reporting
- Daily reports preparation
- Final report preparation

### 5. TEST PLANNING and STRATEGY

#### 5.1. Functional testing

The objective of functional testing is to make sure that the whole software product works according to the requirements, and no significant errors appear in the application.

Functional testing is the most substantial part of software testing. It involves checking different aspects of the system. A software product must pass all the planned tests. Only in this case its quality can be assured.

TEST CRITERIA	
<b>Techniques:</b>	Execute each use case, use-case flow, or function, using valid and invalid data, to verify the following: <ul style="list-style-type: none"> <li>- The expected results occur when valid data is used.</li> <li>- The appropriate error or warning messages are displayed when invalid data is used</li> <li>- Each rule is properly applied.</li> </ul>
<b>Suspension Criteria</b>	If the team members report that there are 40% of test cases failed, suspend testing until the development team fixes all the failed cases.

<b>Entry Criteria</b>	<ul style="list-style-type: none"> <li>- The application construction is completed.</li> <li>- The guru99 server is functional and the web banking app is available for testing.</li> <li>- Necessary devices, instruments, and other equipment are acquired.</li> <li>- Test environment is prepared, and the application is released to the test environment.</li> <li>- Test specification is created</li> <li>- Enough human resource for testing</li> </ul>
<b>Exit Criteria</b>	<p>Specifies the criteria that denote a successful completion of a test phase</p> <ul style="list-style-type: none"> <li>- Run rate is mandatory to be 100% unless a clear reason is given.</li> <li>- Pass rate is 80%, achieving the pass rate is mandatory.</li> </ul>
<b>Special Considerations</b>	None

## 5.2. TEST TYPE

We will perform Functional testing for the guru99 bank app as following:

- **Integration Testing:** Individual software modules are combined and tested as a group of modules and as a system
  - o **Component Integration and**
  - o **System Integration Testing**
- **System Testing:** Conducted on a complete, integrated system to evaluate the system's compliance with its specified requirements
  - o **Smoke Testing**
  - o **Sanity Testing**
  - o **End to End Testing**
- **UI Testing**

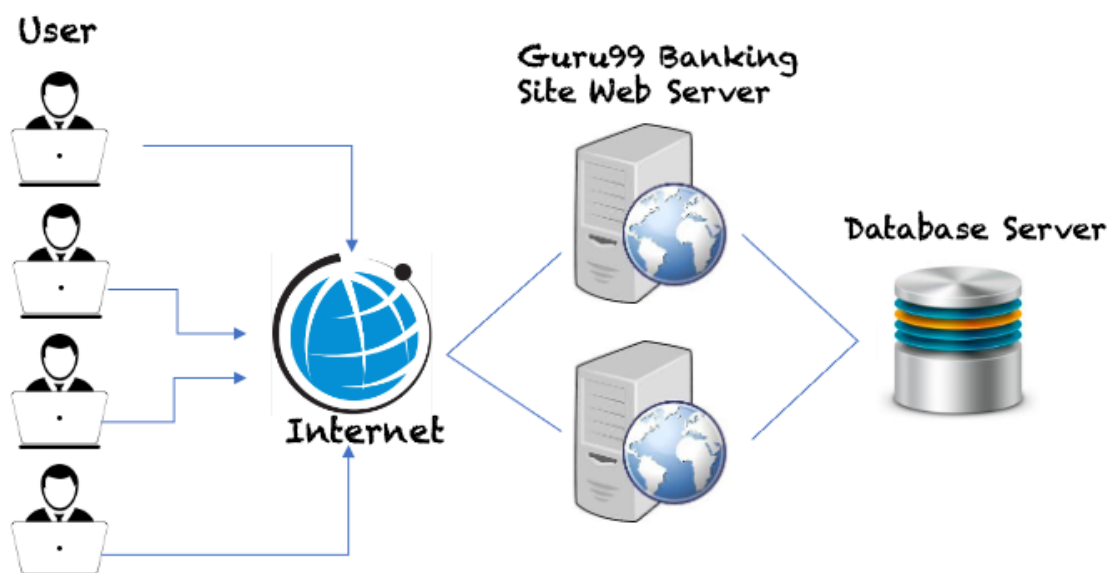
Retest and regression test will also be performed it necessary.

### 5.3. RISK and Issues

Risk	Mitigation
New functionalities will be added to the app which are not documented	Plan a Static Testing scheduled before the test activity started
External interfaces are not documented and some features and functionalities could not be tested or properly tested	Make a complete documentation review and ask for the requirements
Limited number of persons in the team	Prioritise existing projects and check delivery deadlines for each. Hire and train a new person(s).
The project schedule is too tight; it's hard to complete this project on time	Set Test Priority for each of the test activity.
A lack of cooperation negatively affects your employees' productivity	Encourage each team member in his task, and inspire them to greater efforts.
Many of the Guru99 Bank users may not have adequate computer knowledge to use the site.	System must be intuitive and easy to understand

### 5.4. TEST ENVIRONMENT

The Test Environment should be setup as figure below





## 5.5. RESOURCES

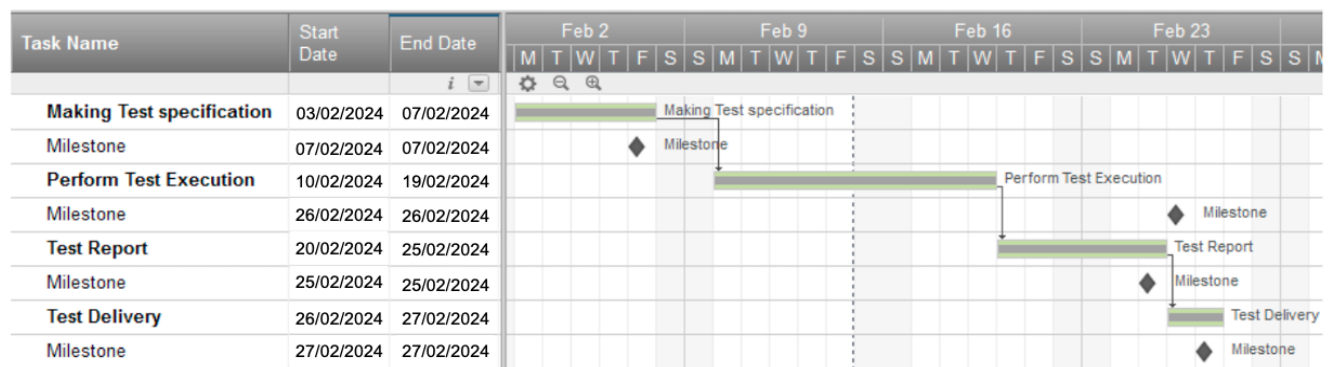
SYSTEM RESOURCES		
No.	Resources	Description
1.	Computer	At least 4 computer run Windows 7 or MacOS Sierra, Ram 4GB, CPU 3.4GHZ, Chrome Browser installed
2.	Network & Internet Access	Setup a LAN Gigabit and 1 internet line with the speed at least 5 Mb/s
3.	Project Management Tools	The Testing Team will use Jira + Zephyr project management tool, to write the test cases, test reports, logs, bug reports and tracking, schedule.
4.	Server	The Guru99 database server and web server must be installed and available online.

Human Resource – Roles and Responsibilities			
No.	Resources	Description	Task
1.	QA Manager	John Smith	Manage the whole project Define project directions Acquire appropriate resources
2.	QA Team Lead	Dragos Nechifor	Supervising and coordinating the QA Team Maintain the test plan Documenting the test results Implement the test cases, test program, test suite etc. Monitoring and Control
3.	Manual QA Engineers (QA Team)	Dragos Nechifor Olivia Rodrigues Oliver Anderson Kim Brooks	Identifying and describing appropriate test techniques/tools/architecture Verify and assess the Test Approach Execute the tests, Log results, Report the defects. Bugs Tracking.
4.	Test Administrator	Kim Brooks	Builds up and ensures test environment and assets are managed and maintained Support QA Team to use the test environment for test execution

## 5.6. SCHEDULE & ESTIMATION

All project tasks and estimation		
Task	Members	Estimate Effort
Create test specification	Team Lead	170 man-hour
Perform test execution	Dragos Nechifor Olivia Rodrigues Oliver Anderson Kim Brooks	80 man-hour
Test Report	Dragos Nechifor	15 man-hour
Test Delivery	Olivia Rodrigues Oliver Anderson	20 man-hour

### Schedule to complete these tasks



## 5.7. TEST MONITORING & CONTROL

**IN PROGRESS**

## 5.8. TEST CASES

## 6. TEST DELIVERABLES

Test deliverables are provided as below

### 6.1. Before testing phase

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

## **6.2. During the testing**

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

## **6.3. After the testing cycles is over**

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