

# **Test plan for Guru99 Banking Project version 4.0**

Maciej Frądczak

## TABLE OF CONTENTS

Test plan identifier.....	3
Introduction.....	3
Features to be tested .....	3
Features not to be tested .....	4
Approach.....	5
Item pass/fail criteria .....	5
Suspension criteria and resumption requirements.....	5
Test deliverables.....	5
Testing tasks/types .....	5
Environmental needs .....	5
Responsibilities .....	5
Staffing and training needs .....	6
Schedule.....	6
Risks and contingencies.....	6
Approvals.....	6

## Test plan identifier

Test plan identifier is: Test plan for Guru99 Banking Project, version 4.0

## Introduction

The test plan was developed to clearly define the scope, approach and schedule of all testing activities of the software created within the Guru99 Banking Project.

The test plan lists in detail which features of the software should be tested and which not, specifies the types of testing to be performed, the resources and the schedule needed to complete the testing, and the risks associated with the plan.

## Features to be tested

As the project is limited to only functional testing, we are going to test all functionalities which were defined in software requirement specification:

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

Change Password	Manager Customer	<p><b>Customer:</b> A customer can change password of only his account.</p> <p><b>Manager:</b> A manager can change password of only his account. He cannot change passwords of his customers</p>
New Customer	Manager	<p><b>Manager:</b> A manager can add a new customer.</p>
	Manager	<p><b>Manager:</b> A manager can edit details like address, email , telephone of a customer.</p>
New Account	Manager	<p>Currently system provides 2 types of accounts</p> <ul style="list-style-type: none"> <li>• Saving</li> <li>• Current</li> </ul> <p>A customer can have multiple saving accounts (one in his name , other in a joint name etc).</p> <p>He can have multiple current accounts for different companies he owns.</p> <p>Or he can have a multiple current and saving accounts.</p> <p><b>Manager:</b> A manager can add a new account for an existing customer.</p>
Edit Account	Manager	<p><b>Manager:</b> A manager can add a edit account details for an existing account</p>
Delete Account	Manager	<p><b>Manager:</b> A manager can add a delete an account for a customer.</p>
Delete Customer	Manager	<p>A customer can be deleted only if he/she has no active current or saving accounts</p> <p><b>Manager:</b> A manager can delete a customer.</p>
Deposit	Manager	<p><b>Manager:</b> A manager can deposit money into any account. Usually done when cash is deposited at a bank branch.</p>
Withdrawal	Manager	<p><b>Manager:</b> A manager can withdraw money from any account. Usually done when cash is withdrawn at a bank branch.</p>

### Features not to be tested

According to the software requirement specification, the test plan does not include non-functional testing. Stress, performance, safety, and other features that require automation testing will not be tested.

## Approach

As mentioned above, the scope of the test plan is limited to functional tests of web applications.

It should be clarified whether the mobile app interface testing should be added to the scope of testing, despite it being clearly indicated that only the web system will be tested.

## Item pass/fail criteria

There should be at least 80% of test cases passed and no blocking errors.

Run rate is obligatory to be 100% unless a clear reason is given.

## Suspension criteria and resumption requirements

If the testing team members report that at least 40% of test cases have failed, further testing should be suspended until the development team fixes all reported bugs.

## Test deliverables

Test deliverables are provided as below:

- Test Plan
- Test cases
- Test results report

## Testing tasks/types

Functional tests will be applied during the testing.

## Environmental needs

The environmental requirements are as follows:

- network connection,
- access to browsers Chrome version 27 and above.

## Responsibilities

The following roles will be involved in the test process:

- a) **test manager** - his role is to coordinate, supervise and define priorities in testing process, as well as to provide resources necessary to conduct planned tests;
- b) **manual testers** - their role is to define testing techniques and tools, develop test cases, carry out tests and report defects.

## Staffing and training needs

Technical support in the field of economic knowledge may be necessary.

## Schedule

1. Define testing techniques and tools	Manual Testers	30 man-hour
2. Develop test cases	Manual Testers	80 man-hour
3. Carry out tests	Manual Testers	50 man-hour
4. Test report	Test manager	10 man-hour

## Risks and contingencies

Risk	Mitigation
Staff deficiencies in the testing team	Supervision over the effectiveness of the team's work and inspire team members to greater efforts
Not enough time to test all test cases	Test case prioritization
Economic knowledge among team members may be not sufficient to test bank application	Business consultations with specialists in the banking industry
No safety tests may result in the poor quality of the product	Convincing the client to extend the scope of tests to at least selected non-functional tests (including, in particular, safety tests)

## Approvals

Any changes made to the software requirement specification require approval by the client and other affected stakeholders.