

Guru99 Banking Project

Software Requirements Specification

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

Document Approval

The following Software Requirements Specification has been accepted and approved by the following:

Printed Name	Title	Date
Nick Price	Lead Software Engg.	19/11/2013
Sam Patrick	Lead QA Engineer	18/11/2013
Krishna Rungta	Project Sponsor	19/11/2013

. Introduction

The Guru99 Bank project aims to provide net banking facility to its customers.

This release will have limited features. Over a period of time , new and new functionalities will be added to the site.

1.1 Purpose

The Purpose of this document is to outline the requirements for the Guru99 Banking website to be developed for Guru99 Tech. Pvt. Ltd. This document will be used by all stakeholders including developers and testers.

1.2 Scope

The scope of this project is limited to the testing of the features described in the succeeding sections of this document.

Non-functional testing like stress,performance is beyond scope of this project.

Automation testing is beyond scope.

Functional testing & external interfaces are in scope and need to be tested

The banking site will be only compatible with Chrome version 27 and above

1.3 Definitions, Acronyms, and Abbreviations

Abbreviation	Word
M	Manager
C	Customer

1.4 References

Nil

2. Specific Requirements

The Guru99 Bank will have 2 roles

1. Manager
2. Customer

Following features/modules will be available to these 2 different roles

Manager	Customer
New Customer	Balance enquiry
Edit Customer	Fund Transfer
Delete Customer	Mini Statement
New Account	Customized Statement
Edit Account	Change Password
Delete Account	Login & Logout
Deposit	
Withdrawal	
Fund Transfer	
Change Password	
Balance Enquiry	
Mini Statement	
Customized Statement	
Login & Logout	

Description of the modules

Module Name	Applicable Roles	Description
Balance Enquiry	Manager Customer	Customer: A customer can have multiple bank accounts. He can view balance of his accounts only

		Manager: A manager can view balance of all the customers who come under his supervision
Fund Transfer	Manager Customer	Customer: A customer can have transfer funds from his "own" account to any destination account. Manager: 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 Customer: A customer can see mini-statement of only his "own" accounts Manager: 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 Customer: A customer can see Customized-statement of only his "own" accounts Manager: A manager can see Customized -statement of any account
Change Password	Manager Customer	Customer: A customer can change password of only his account. Manager: A manager can change password of only his account. He cannot change passwords of his customers
New Customer	Manager	Manager: A manager can add a new customer.
	Manager	Manager: A manager can edit details like address, email , telephone of a customer.
New Account	Manager	Currently system provides 2 types of accounts <ul style="list-style-type: none"> • Saving • 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. Manager: A manager can add a new account for an existing customer.

Edit Account	Manager	Manager: A manager can add a edit account details for an existing account
Delete Account	Manager	Manager: A manager can add a delete an account for a customer.
Delete Customer	Manager	A customer can be deleted only if he/she has no active current or saving accounts Manager: A manager can delete a customer.
Deposit	Manager	Manager: A manager can deposit money into any account. Usually done when cash is deposited at a bank branch.
Withdrawal	Manager	Manager: A manager can withdraw money from any account. Usually done when cash is withdrawn at a bank branch.

2.1 External Interface Requirements

2.1.1 User Interfaces

None

2.1.2 Hardware Interfaces

None

2.1.3 Software Interfaces

None

2.1.4 Communications Interfaces

None

3.1 Front End Details

This section describes the Front end of Guru99 Bank.

It also lists a few use cases to describe the functioning of the system

Deposit

- Account Number
- Amount Deposit
- Description
- Submit
- Reset

Change Password

- Old Password
- New Password
- Confirm Password
- Submit
- Reset

3.2 Technical Requirements

Login

T92 User-ID must not be blank

T93 Password must not be blank

Change Password

T97 Old Password must not be blank

T98 New Password must not be blank

T99 Enter at-least one numeric value

T100 Enter at-least one special character

T101 Choose a difficult Password

T102 Confirm Password must not be blank

T103 Passwords do not Match

Deposit

T48 Account No must not be blank

T49 Special character are not allowed

T50 Characters are not allowed

T51 Amount field must not be blank

T52 Special characters are not allowed

T53 Characters are not allowed

T54 Description must not be blank

3.3 Functional validations

Deposit

Manager

F19 If destination account number is invalid, system displays an error

F20 If destination account number does not associate with manager, System displays an error.

Customer

F21 If destination account number is invalid, system displays an error

F22 If destination account number does not associate with customer, System displays an error.

Change Password

Manager

F37 If Old Password is invalid, System shows an error.

Customer

F38 If Old Password is invalid, System displays an error

3.4 Classes / Objects

3.5.1.1 Attributes

3.5.1.2 Functions

3.5 Non-Functional Requirements

Nil

3.6 Inverse Requirements

Nil.

3.7 Design Constraints

Many of the Guru99 Bank users may not have adequate computer knowledge to use the site. Hence, System must be intuitive and easy to understand.

3.8 Logical Database Requirements

Nil

3.9 Other Requirements

Nil

4. Analysis Models

Nil

5. Change Management Process

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

A. Appendices

Nil