Guru99 Banking Project

Software Requirements Specification

1.3

25/10/2013

**Prepared for**

Guru99.com

**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 |

[1. Introduction](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_8vvq926bzjtq)

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[1.2 Scope](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_781yhu9kq1gs)

[1.3 Definitions, Acronyms, and Abbreviations](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_2pfex22ws6rz)

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[2. Specific Requirements](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_lqcn6jwzss2o)

[2.1 External Interface Requirements](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_qq2mvaxxgw8h)

[2.1.1 User Interfaces](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_i6qdsdlsicx3)

[2.1.2 Hardware Interfaces](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_dd8qecnv0i2m)

[2.1.3 Software Interfaces](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_20g4lnl5ilrp)

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[3.3 Functional validations](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_mjp0getbhfnb)

[3.4 Classes / Objects](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_jhazfwhdo0tq)

[3.5 Non-Functional Requirements](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_fyd165ozedci)

[3.6 Inverse Requirements](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_pm2pso80gc64)

[3.7 Design Constraints](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_5t7l62wmof01)

[3.8 Logical Database Requirements](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_wom05kut4y8d)

[3.9 Other Requirements](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_gr1m00kx0upf)

[4. Analysis Models](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_bucrrzs7k9i)

[5. Change Management Process](https://word-edit.officeapps.live.com/we/wordeditorframe.aspx?ui=vi-VN&rs=vi-VN&hid=V4AvuoZvJkS2Mj2lcVWWFw.0&wopisrc=https%3A%2F%2Fwopi.onedrive.com%2Fwopi%2Ffiles%2F334B290387D415FA!818&wde=docx&sc=host%3D%26qt%3DDefault&mscc=1&wdp=0&uih=OneDrive&jsapi=1&jsapiver=v2&corrid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&usid=b0fcb970-9465-45eb-9b2f-9a3b622fdd7b&newsession=1&sftc=1&wdorigin=SDX.Skydrive*Root&wdhostclicktime=1669300255667&instantedit=1&wopicomplete=1&wdredirectionreason=Unified_SingleFlush#_pfdju2lamaog)

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# **1. 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   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.  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

Following is a list of module wise fields

**Fund Transfer**

1. Payers account no
2. Payees account no
3. Amount
4. Submit
5. Reset  
     
      
     
   Change Password
6. Old Password
7. New Password
8. Confirm Password
9. Submit
10. Reset  
      
       
      
    Balance enquiry
11. Account No
12. Submit
13. Reset  
      
       
      
    Mini Statement
14. Account No
15. Submit
16. Reset  
      
       
      
    Customized Statement
17. Account No
18. From Date
19. To Date
20. Amount Lower Limit
21. Number Of Transaction
22. Submit
23. Reset  
      
       
      
    New Customer
24. Customer Name
25. Gender
26. Date of Birth
27. Address
28. City
29. State
30. PIN
31. Telephone Number
32. Email Id
33. Submit
34. Reset  
      
       
      
    New Account
35. Customer Id
36. Account Type
37. Initial deposit
38. Submit
39. Reset  
      
       
      
    Deposit
40. Account Number
41. Amount Deposit
42. Description
43. Submit
44. Reset  
      
       
      
    Withdraw
45. Account Number
46. Amount
47. Description
48. Submit
49. Reset  
      
       
      
    Delete Customer
50. Customer Id
51. Submit
52. Reset  
      
       
      
    Edit Account
53. Account Number
54. Submit
55. Reset  
      
       
      
    Form after submitting Edit Account
56. Customer Id
57. Account Type (Drop Down - Saving or Current)
58. Balance
59. Submit
60. Reset  
      
       
      
    Delete Account
61. Account Number
62. Submit
63. Reset  
      
       
      
    Edit Customer
64. Customer Id
65. Submit
66. Reset  
      
       
      
    Form after submitting Edit Customer
67. Customer Name
68. Gender
69. Date of Birth
70. Address
71. City
72. State
73. PIN
74. Telephone Number
75. Email Id
76. Submit
77. Reset

## 3.2 Technical Requirements

**New Account**

**T1** Customer Id - Customer ID is required

**T2**  Customer Id - Special character are not allowed

**T3** Customer Id - Characters are not allowed

**T3.1** Customer Id - First character cannot have space

**New Customer**

**T4** Customer Name – Numbers are not allowed

**T5** Customer Name – Special characters are not allowed

**T6** Customer Name - Customer name must not be blank

**T7** Customer Name - First character cannot have space

**T8** Address - Address Field must not be blank

**T9** Address - First character can not have space

**T10** Address - Special characters are not allowed

**T11** City - Special character are not allowed

**T12** City - City Field must not be blank

**T13** City – Numbers are not allowed

**T14** City - First character can not have space

**T15** State – Numbers are not allowed

**T16** State - State must not be blank

**T17** State – Special characters are not allowed

**T17.1** State – First character cannot have space

**T18** Pin - Characters are not allowed

**T19** Pin - PIN Code must not be blank

**T20** Pin – Special characters are not allowed

**T21** Pin – PIN Code must have 6 Digits

**T22** Pin - First character can not have space

**T23** Telephone Number – Mobile no must not be blank

**T24** Telephone Number – Special character are not allowed

**T25** Telephone Number – Character are not allowed

**T26** Telephone Number - First character can not have space

**T27** Email : Email ID must not be blank

**T28** Email : Email ID is not valid

**T29** Email : First character can not have space

**Balance Enquiry**

**T30** Account No must not be blank

**T31** Special character are not allowed

**T32** Characters are not allowed

**Customized Statement Form**

**T33** Account No - Account Number must not be blank

**T34** Account No - Characters are not allowed

**T35** Account No - Special characters are not allowed

**T36** Amount Lower Limit – Special character are not allowed

**T37** Amount Lower Limit – Amount Lower Limit is required

**T38** Amount Lower Limit – Characters are not allowed

**T39** Number of Transaction – Special character are not allowed

**T40** Number of Transaction - Number of Transaction must not be blank

**T41** Number of Transaction – Character are not allowed

**Delete Account Form**

**T42** Account No must not be blank

**T43** Special character are not allowed

**T44** Characters are not allowed

**Delete Customer**

**T45** Customer Id - Customer ID is required

**T46** Customer Id - Special character are not allowed

**T47** Customer Id - Characters are not allowed

**T47.1** Customer Id - First character cannot have space

**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

**Edit Account**

**T55** Account No must not be blank

**T56** Special character are not allowed

**T57** Characters are not allowed

**Edit Customer form**

**T58** Customer Id - Customer ID is required

**T59** Customer Id - Special character are not allowed

**T60** Customer Id - Characters are not allowed

**T60.1** Customer Id - First character can not have space

**Edit Customer**

**T61** Address - Address Field must not be blank

**T62** Address - First character can not have space

**T63** Address - Special characters are not allowed

**T64** City - Special character are not allowed

**T65** City - City Field must not be blank

**T66** City – Numbers are not allowed

**T67** City - First character can not have space

**T68** State – Numbers are not allowed

**T69** State - State must not be blank

**T70** State – Special characters are not allowed

**T70.1** State – First character cannot have space

**T71** Pin - Characters are not allowed

**T71** Pin - PIN Code must not be blank

**T72** Pin – Special characters are not allowed

**T73** Pin – PIN Code must have 6 Digits

**T74** Pin - First character cannot have space

**T75** Telephone Number – Mobile no must not be blank

**T76** Telephone Number – Special character are not allowed

**T77** Telephone Number – Character are not allowed

**T78** Telephone Number - First character cannot have space

**T79** Email : Email ID must not be blank

**T80** Email : Email ID is not valid

**T81** Email : First character cannot have space

**Fund Transfer**

**T82** Payers Account Number must not be blank

**T83** Special characters are not allowed

**T84** Characters are not allowed

**T85** Payees Account Number must not be blank

**T86** Special characters are not allowed

**T87** Characters are not allowed

**T88** Amount Field must not be blank

**T89** Characters are not allowed

**T90** Special characters are not allowed

**T91** Description cannot be blank

**Login**

**T92** User-ID must not be blank

**T93** Password must not be blank

**Mini Statement Page**

**T94** Account No must not be blank

**T95** Special character are not allowed

**T96** Characters are not allowed

**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

**Withdraw**

**T104** Account No must not be blank

**T105** Special character are not allowed

**T106** Characters are not allowed

**T107** Amount Field must not be blank

**T108** Characters are not allowed

**T109** Special characters are not allowed

**T110** Description cannot be blank

## 3.3 Functional validations

**Balance Enquiry**

Manager

**F1** Manager can view balance of accounts associate with him

**F2** Account number entered should exist in database

Customer

**F3** Customer can view balance of only his accounts

**F4** Account number entered should exist in database

**Fund Transfer**

Manager

**F5** If these source and destination account numbers are invalid, system displays an error

**F6** If these source and destination account numbers are same, system displays an error

**F7** If the source account does not have the necessary balance, system displays an error

**F8** If the source account does not associated with manager, System displays an error

Customer

**F9** If the destination account number is not valid, system displays an error

**F10** If these source and destination account numbers are same, system displays an error

**F11** If the source account does not have the necessary balance, system displays an error

**F12** If the source account is not associate with customer itself, System displays an error.

**Withdrawal**

Manager

**F13** If source account number is invalid, system displays an error

**F14** If source account does not have the necessary balance, system displays an error

**F15** If source a ccount does not associate with manager, System displays an error.

Customer

**F16** If source account number is invalid, system displays an error

**F17** If source account does not have the necessary balance, system displays an error

**F18** If source account does not associate with customer, System displays an error.

**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.

**Delete Customer**

Manager

**F23** If Customer Id is invalid, system displays an error.

**F24** If account associate with Customer Id, System displays an error.

**F25** If Customer Id does not associate with manager, System displays an error.

**Delete Account**

Manager

**F26** If Account Number is invalid, system displays an error

**F27** If account does not associate with manager logged in, System displays an error.

**Edit Account**

Manager

**F28** If Account Number is invalid, system displays an error.

**F29** If Account number does not associate with manager, System displays an error.

**New Account**

Manager

**F30** If Customer ID is invalid, system displays an error.

**F31** If initial deposit is less than 500, System displays an error.

**F32** If Customer Id does not associate with manager, System displays an error.

**New Customer**

Manager

**F33** If same Email Id exist in the system, system shows an error.

**Edit Customer**

Manager

**F34** If same Email Id exist in the system, system shows an error.

**F35** If Customer Id is invalid, System displays an error.

**F36** If Customer Id does not associate with Manager, 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

**Customized Statement**

Manager

**F39** If account no is invalid, System displays an error

**F40** If From Date is greater than To Date, System dispalys an error.

Customer

**F41** If account no is invalid, System displays an error

**F42** If From Date is greater than To Date, System dispalys an error.

**Mini Statement**

Manager

**F43** If account no is invalid, System displays an error

**F44** If transaction not exist in system, System displays an error.

**F45** If account not associate with manager itself, System displays an error.

Customer

**F46** If account no is invalid, System displays an error.

**F47** If account associate with customer itself, System displays an error.

**Balance Enquiry**

Manager

**F48** If account no is invalid, System displays an error

Customer

**F49** If account no 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*