

# Loan Management System

## Software Requirements Specification

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## 1. Introduction

Loan Prequalifier consolidates many different functions of loan management processes into a single integrated solution.

### 1. Goal and Objectives

Improve processing efficiencies and maximize productivity, while deliver functionality that automates every key process in the administration of a loan portfolio and will be configurable to a wide range of tasks.

### 1. Scope

This document will address only user aspects of the requirements

### 1. References

N/A

### 1. Terminology

**LMS** – Loan Management System

### 1. Page Design

#### 1. Login Page

##### 1. Page Description

Lifecycle management of LMS must be supported by multiple users that share the same data pool of customers. This means that for security reasons users need to be able to have their own user names and passwords.

1. **Page Mock Up**

1. **Page Data fields**

Page Caption	Description	Data Type	M / O	Comments
Branch	Branch name	Text	M	
Username	Branch user username	Text	M	
Password	Branch user password	Text	M	

1. **Page Hyperlinks**

Name	Action
N/A	

1. **Page Functions**

Name	Action
	Login to the application

1. **Page Validations**

Validation	Message
Branch name must be entered	Please enter branch name
Username must be entered.	Please enter username

Password must be entered.	Please enter password
Branch name is invalid	Invalid branch name
Username is invalid	Username or password is invalid
Password is invalid	Username or password is invalid

## 1. Home Page

### 1. Page Description

Home page provides ability to search for the existing users and customers and navigate to other functional areas

### 1. Page Mock Up

### 1. Page Data fields

Page Caption	Description	Data Type	M / O	Comments
Search User for Username	Edit field to enter username to search	Text		
Search Customer by Last Name	Edit field to enter customer last name to search	Text		

### 1. Page Hyperlinks

Name	Action
Logout	Logout of the application

### 1. Page Functions

Name	Action
------	--------

	Perform users search
	Perform customers search

#### 1. Page Validations

Validation	Message
N/A	

### 1. Main Menu (Navigational Bar)

#### 1. Main Menu Description

Main Menu provide means to navigate to all major functional areas:

- Users
- Customers
- Settings
- Policies (not implemented in current release)

Main menu is present and consistent on all pages of the application

#### 1. Main Menu Mock Up

#### 1. Main Menu Functions

Name	Action
	Navigate to branch Users page (enabled when login as branch admin, disabled when login as branch user)
	Navigate to branch Customers page
	Navigate to branch users personal settings page
	Navigate to bank policies page (disabled for current release)

### 1. List of Branch Users Page

1. **Page Description**

Display all branch users info in a table form

1. **Page Mock Up**

1. **Page Data fields**

Page Caption	Description	Data Type	M / O	Comments
N/A				

1. **Page Hyperlinks**

Name	Action
Home	Navigate to Home page
Logout	Logout of the application
Username	Navigate to Edit User page

1. **Page Functions**

Name	Action
Action	Add User, Edit User, Delete User
Help	Help Topics, Online Support, About

1. **Page Validations**

Validation	Message
N/A	

## 1. Add User Page

### 1. Page Description

Form to enter New User information

### 1. Page Mock Up

### 1. Page Data fields

Page Caption	Description	Data Type	M / O	Comments
Username	Unique username	text	M	
Password	Password	text	M	
First Name	User's first name	text	O	
Last Name	User's last name	text	O	
Company	User's company	text	O	
Phone	User's phone number	text	O	
E-mail	User's email address	text	O	

### 1. Page Hyperlinks

Name	Action
Home	Navigate to Home page
Logout	Logout of the application

### 1. Page Functions

Name	Action
Action	View User History
Help	Help Topics, Online Support, About
	Save user's data
	Cancel saving the user's data



1. **Page Validations**

Validation	Message
Username is mandatory	Mandatory field 'Username' is empty
Password is mandatory	Mandatory field Password is empty
Username is not unique	Username already exists
Password is less than 5 characters	Password must be at least 5 characters
Password is more than 16 characters	Password must be no more that 16 characters

1. **List of Branch Customers Page**

1. **Page Description**

Display all branch customers information in a table form

1. **Page Mock Up**

1. **Page Data fields**

Page Caption	Description	Data Type	M / O	Comments
N/A				

1. **Page Hyperlinks**

Name	Action
Home	Navigate to Home page
Logout	Logout of the application
Last Name	Navigate to Edit Customer page

1. **Page Functions**

Name	Action
Action	Add Customer, Edit Customer, Delete Customer
Help	Help Topics, Online Support, About

1. **Page Validations**

Validation	Message
N/A	

1. **Add Customer Page**

1. **Page Description**

Form to enter New Customer information

1. **Page Mock Up**

1. **Page Data fields**

Page Caption	Description	Data Type	M / O	Comments
Title	Customer's title (Drop Down List Box)	Text	O	Mr., Ms., Mrs., Miss, Dr.
First Name	Customer's First Name	Text	M	
Last Name	Customer's Last Name	Text	M	
Street	Customer's Street	Text	O	
City	Customer's City	Text	O	
State/Province	Customer's State/Province	Text	O	
ZIP/Postal Code	Customer ZIP/Postal Code	Text	O	

Monthly Income	Customer's monthly income	Text	O	
Monthly Debt	Customer's monthly debt	Text	O	
Monthly Payment of	Customer's monthly payment	Text	O	Calculated field (not editable)
Terms Years	Loan Terms Years	Radio List	O	2,3,5,10,15
Returned Customer	Indicates if customer already had loan in a past	Checkbox	O	When checked reduce customer's rate by 0.5%
Rate	Central Bank rate	Text	O	Populated when Central Bank Rate is obtained. Not editable
Prequalified for Principal of	Principal amount of Loan	Text	O	Calculated field. Not editable
At	Customer's rate	Text	O	Calculated field. Not editable

#### 1. Page Hyperlinks

Name	Action
Home	Navigate to Home page
Logout	Logout of the application
Last Name	Navigate to Edit Customer page

#### 1. Page Functions

Name	Action
Action	View Account History, Print
Help	Help Topics, Online Support, About
	Save Customer's information
	Cancel and return user to the List of Customers page
	Open Pre-qualification letter for preview. Disabled if central bank rate is not obtained
	Obtain Current Central Bank Rate

#### 1. Page Validations

Validation	Message
------------	---------

First Name is mandatory	Mandatory field "First Name" is empty
Last Name is mandatory	Mandatory field "Last Name" is empty
Customer already exist	Customer with {First Name, Last Name pair} already exist
Province is less than 2 or more than 3 characters	"State/Province" must be a least 2 and no more than 3 characters
ZIP/Postal Code is less than 5 or more than 7 characters	"ZIP/Postal Code" must be a least 5 and no more than 7 characters and contain letters and numbers only

## 1. Edit Customer Page

### 1. Page Description

Form to modify existing customer information

### 1. Page Mock Up

### 1. Page Data fields

Page Caption	Description	Data Type	M / O	Comments
Title	Customer's title (Drop Down List Box)	Text	O	Mr., Ms., Mrs., Miss, Dr.
First Name	Customer's First Name	Text	M	Not editable. If legal name was changed, new loan need to be issued
Last Name	Customer's Last Name	Text	M	Not editable. If legal name was changed, new loan need to be issued
Street	Customer's Street	Text	O	
City	Customer's City	Text	O	
State/Province	Customer's State/Province	Text	O	

ZIP/Postal Code	Customer ZIP/Postal Code	Text	O	
Monthly Income	Customer's monthly income	Text	O	
Monthly Debt	Customer's monthly debt	Text	O	
Monthly Payment of	Customer's monthly payment	Text	O	Calculated field (not editable)
Terms Years	Loan Terms Years	Radio List	O	2,3,5,10,15
Returned Customer	Indicates if customer already had loan in a past	Checkbox	O	When checked reduce customer's rate by 0.5%
Rate	Central Bank rate	Text	O	Populated when Central Bank Rate is obtained. Not editable
Prequalified for Principal of	Principal amount of Loan	Text	O	Calculated field. Not editable
At	Customer's rate	Text	O	Calculated field. Not editable

#### 1. Page Hyperlinks

Name	Action
Home	Navigate to Home page
Logout	Logout of the application
Last Name	Navigate to Edit Customer page

#### 1. Page Functions

Name	Action
Action	View Account History, Print
Help	Help Topics, Online Support, About
	Save Customer's information
	Cancel and return user to the List of Customers page
	Open Pre-qualification letter for preview. Disabled if central bank rate is not obtained
	Obtain Current Central Bank Rate

1. **Page Validations**

Validation	Message
First Name is mandatory	Mandatory field "First Name" is empty
Last Name is mandatory	Mandatory field "Last Name" is empty
Customer already exist	Customer with {First Name, Last Name pair} already exist
Province is less than 2 or more than 3 characters	"State/Province" must be a least 2 and no more than 3 characters
ZIP/Postal Code is less than 5 or more than 7 characters	"ZIP/Postal Code" must be a least 5 and no more than 7 characters and contain letters and numbers only

1. **Prequalification Letter Page**

1. **Page Description**

Letter to the customer with loan application resolution

1. **Approval Letter Mock Up**

1. **Rejection Letter Mock Up**

1. **Page Data fields**

Page Caption	Description	Data Type	M / O	Comments
Prequalification Letter	Edit field	Text	O	Pre-populated. Editable

1. **Page Hyperlinks**

Name	Action
N/A	

1. **Page Functions**

Name	Action
Close	Close Prequalification Letter pop up
Save	Save letter in PDF format
Print	Print letter

1. **Page Validations**

Validation	Message
N/A	