

# SRS of Online Savings Bank Account

## 1. Introduction

The purpose of this document is to present a detailed description of the online banking system. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli.

### 1.1 Purpose

The main purpose that banks have been serving since their inception is keeping our money safe for us. Internet Banking Basically allows you to be able to do everything that you can in your regular Banking institution.

### 1.2 Scope

The scope of this project is limited to the activities of the operations front of the banking systems which include opening of account, deposit of funds, withdrawal of fund and transfer.

The account will be accessible to authorized persons. It also allows to check for the balance.

### 1.3 Definitions, Acronyms and Abbreviations

- DB2 (IBM Database 2)
- SQL (Structured Query language)
- UML (Unified Modelling language)
- Administrator :- He is the super user who can add new customers into the banking system, and assigns corresponding username, password, account type and other details.
- customers :- After logging in he can request for balance enquiry to his account, fund transfer to another account in the same bank, Min statements, Request for check books etc

### 4 Reference

- SRS (IEEE SRS format and format provided by TUMC)
- www.youtube.com

### 1.5 Technologies to be used

• .Net - Front end

MySQL - Backend

## 1.6 OVERVIEW

SRS include two sections overall description and specific requirements.

- overall description will describe major role of the system components and interconnections
- specific requirements will describe roles & functions of the actor.

### OVERALL DESCRIPTION

#### 2.1 Product Perspective

- The new banking system was developed to provide these features to customers.
- A website will be secured to prevent unauthorized access
  - A news ticker will appear on the homepage of the website to update customers about any new schemes or changes in existing schemes

#### 2.2 Software Interfaces

User on Internet : Web Browser, OS

Application Server : Websphere

Database Server : DB2

Network : Internet

Development tools : RAD, DB2, OS application server

## 2.3 Hardware Interface

A mode with PIII processor, an SCSI  
Harddisk of 20GB, 512 RAM.

## 2.4 Product Functions

The Internet Banking system const of  
following modules:

- logic process - This module maintains the  
allows valid customers to access the  
functionalities provided by bank.
- Balance enquiry - This module maintains  
the balance details of a particular account
- update profile - This module allows the  
customers to update profile of their account
- Fund transfer - It allows the customers to  
transfer funds
- Change of password.
- Ministatement - This module allows customers  
to view their transaction details

## 2.5 User characteristics

customers ! The normal users will have an  
account of fixed or savings and should have  
a minimum balance of 500 Rs. He can transfer  
funds to another account of the same bank if  
may occur his monthly or annual  
statements.

## 2.6 Constraints

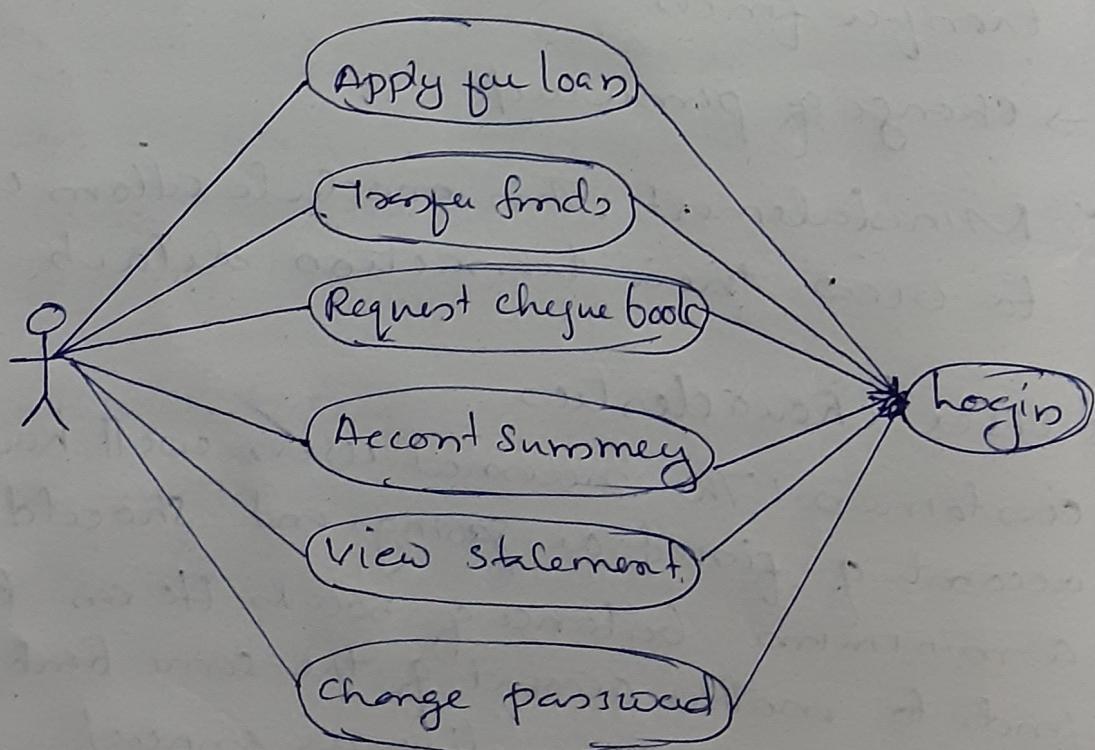
- \* Login and password is used for identification of customer's account and there is no facility for non users to login
- \* This system works only on a single screen
- \* GUI is not only in English.

## 2.7 Use case model description

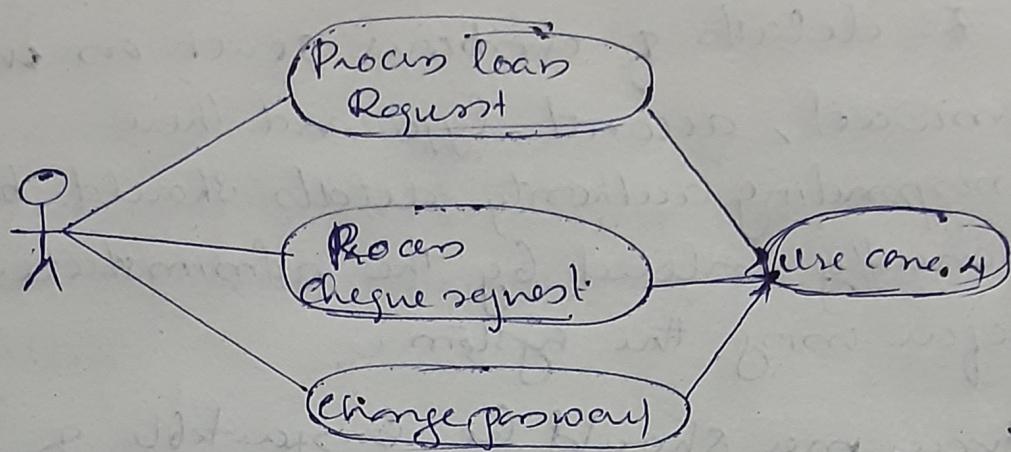
The use case has been drawn for the following persons.

- \* Functionalities available to customer
- \* Functionalities available to employee
- \* Functionalities available to administrator

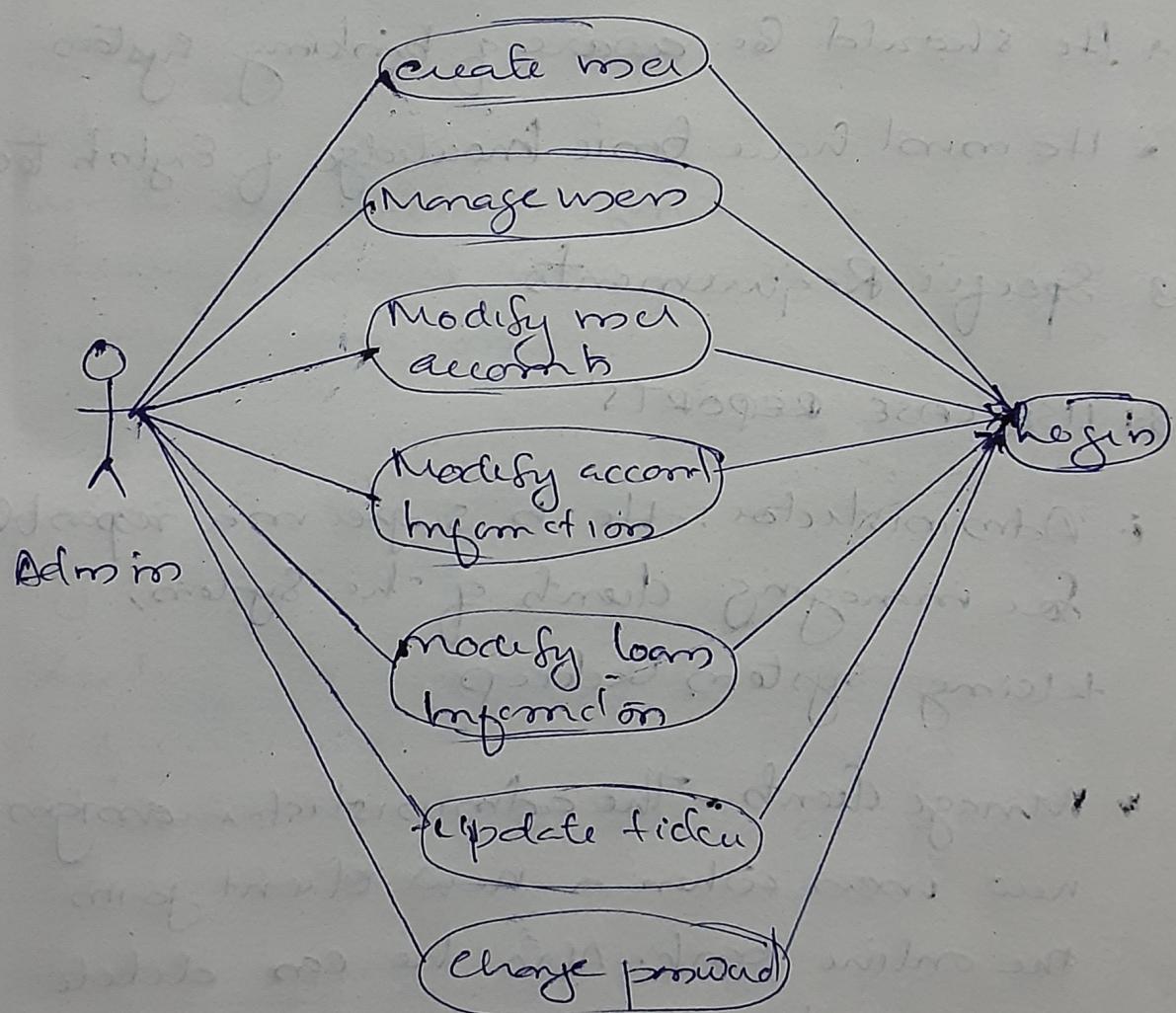
use case diagram for customer



use case diagram for employee



use case diagram for Adminstrator



## 2.8 Assumptions and Dependencies

- \* The details of customer such as name, password, account type and their corresponding authority details should be manually entered by the administrator before using the system.
- \* Every user should be comfortable of working with computer and net banking.
- \* He should be aware of banking systems.
- \* He must have basic knowledge of English too.

## 3 Specific Requirements

### 3.1 USE-CASE REPORTS

- i. Administrator : - He is supervisor responsible for managing clients of the system, taking system backup.
- \* Manage clients . The administrator assigns new users when a new client joins the online bank. Also he can delete an account when any of the client leaves the Bank.

- \* Maintains Organization details :- Maintains the entire details of the organization that includes details of the clients, employees etc.
- \* Generate reports: Responsible for checking the logs of different system users and for auditing and maintaining the integrity of the system.

## ii. customer :-

Ordinary customers have a user name & password with which they can login into their account. They can perform all the transactions such as funds transfer, balance enquiry, cheque book request etc by sitting at their home on Internet.

- Login :- User can login to the system by providing appropriate username and password provided by administrator.
- Selecting the account :- After logging in the user is provided with a screen showing the details of accounts and he selects one of the account in order to perform the transaction.
- Balance enquiry :- He can view the balance left in his account, if once he has enquired into his account.
- Fund transfer :- Once the request the user can transfer funds from his account to other accounts.

- Requests for Cheque Book - He can request for cheque book.

### 3.2 SUPPLEMENTARY REQUIREMENTS

#### 1) Performance requirements

System can withstand even though many no. of customers request the desired service. Access is given to only valid users of bank who requires the services such as Balance enquiry, update profile, mini statements and request for stop payments and for cheque book.

#### 2 Safety Requirements

By incorporating a robust and proven DB2 UDB into the system, reliable performance and integrity of data is ensured. There must be a power backup for server system.

#### 3 Security Requirements

Sensitive data is protected from unwanted access by using appropriate technology and implementing strict user access control. Facility of unique user id and password is such a way that unauthorized user cannot login.