Internet Banking System

Software Requirements Specification (SRS)

Version 2.1

17/3/2023

**Revision History**

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**Document Approval**

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

|  |  |  |
| --- | --- | --- |
| **Printed Name** | **Title** | **Date** |
| Hana | Project manager | Approved |

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## 1. Introduction

This Web Portal will serve as an interface for all the banking services where the client can easily access his account/s, perform inter account transactions and to inquire about the previous transactions.

### 1.1 Definitions, Acronyms, and Abbreviations

|  |  |
| --- | --- |
| **Abbreviation** | **Meaning** |
| No | Number |
| DB | Database |
|  |  |

## 2. Specific Requirements

The Internet Banking System will have 2 roles

1. Admin
2. Client

The internet banking system include this feature

The client features:

1. Register
2. Perform transactions
3. Login
4. View Account
5. Add New Account

The admin features:

1. Login
2. Close Account
3. View all accounts

### 2.1 Register

#### **2.1.1 Description and Priority**

The client should register to make a new account in application.

The priority is high (Assumption).

#### **2.1.2 Stimulus/Response Sequences**

**SRS\_Register\_001**

To make register process, the client should enter these required data:

* First Name (it should accept letters only with length not less than 2, not greater than 15,
* First Name not accept special characters
* First Name not start with space.
* Last Name (it should accept letters only with length not less than 2, not greater than 15,
* Last Name not accept special characters
* Last Name not starts with space
* Email (it should match the email format like example@example.com)
* email is not existed in database
* Password (it must contain at least 8 characters)
* Password contain at least 1 letter
* Password contain at least 1 number
* Password contain at least 1 special character
* Confirm password (it must match the password)
* After fill all required data above the user must click in Register Button

**SRS\_Register\_002**

If the entered user data is valid according to **SRS\_Register\_001,**

Thesystem will do the following

* Save entered user data in the database
* goes to the View Account
* shows popup Screen with automatically generated unique client id.

**SRS\_Register\_003**

If the client did not enter the data as required in section **SRS\_Register\_001**

the system showed an error message “Invalid Data”.

### 2.2 Login

#### **2.2.1 Description and Priority**

**Client:** A client can login by his email and password.

**Admin:** an admin can login by his email and password.

#### **2.2.2 Stimulus/Response Sequences**

**SRS\_Login\_001**

**Client or Admin** should enter these required data to make a login process:

* Email (It must exist in DB)
* Password (it must be the same as the password saved in the DB for the Email entered in DB).
* Click in the login button

**SRS\_Login\_002**

If the entered client or admin data is valid according to **SRS\_Login\_001,**

Thesystem will go to the View Account page.

**SRS\_Login\_004**

If the client or the admin did not enter both fields as described in requirement **SRS\_Login\_001** an alert will be displayed (“invalid inputs”).

### 2.3 View Account

#### **2.3.1 Description and Priority**

|  |
| --- |
| **Client:** A Client can view his accounts only after login.  **Admin:** An Admin can view all the clients after login  The priority is high (Assumption). **2.3.2 Stimulus/Response Sequences** **SRS\_ View Account \_001**  **An admin**  Views content:   * view client’s id * client’s account no * first Name * Last Name   **SRS\_ View Account \_002**  **The Client** Views page content:   * Name. * Date (current date). * Current balance. * all transactions transfer history list. * his accounts. * Add new account * Transfer money   **SRS\_ View Account \_003**  If the client does not login the system, the client can’t View his account. |

### 2.4 Perform Transaction

#### **2.4.1 Description and Priority**

**Client:** a client can transfer money to any account he knows account no.

The priority is high (Assumption).

#### **2.4.2 Stimulus/Response Sequences**

**SRS\_PerformTransaction\_001**

The client should enter these required data to perform transactions between different accounts:

* Account number where the money would be transferred (only numbers are allowed).
* Amount of money (it should accept only numbers).
* Click in Transfer Button

The priority is high (Assumption).

**SRS\_PerformTransaction\_002**

If the client did not enter the account number or the amount of money or both fields were empty, an alert should be displayed asking the client to enter the required fields (“all fields are required”).

**SRS\_PerformTransaction\_003**

if the client did not enter both fields as described in section **SRS\_PerformTransaction\_001**, an alert would be displayed “please enter valid data”.

**SRS\_PerformTransaction\_004**

If the account number does not exist or is not accurate, an alert would be displayed (“This account does not exist”).

**SRS\_PerformTransaction\_005**

If the amount of money is greater than the current balance of the client, an alert would be displayed (“you don’t have enough money for this transaction”).

### 2.5 Add New Account

#### **2.5.1 Description and Priority**

**Client:** A Client can add one or more new account, after the client clicks the

add account button the system will provide a message saying " the Account is added successfully" and the account number will be added automatically to the drop-down list containing the opened accounts for the user

The priority is high (Assumption).

#### **2.5.2 Stimulus/Response Sequences**

**SRS\_Add New Account \_001**

To add new account, click in button add new account show popup screen with account no.

### 2.6 Close Account

#### **2.6.1 Description and Priority**

**Admin:** can close an account of clients.

The priority is high (Assumption).

#### **2.6.2 Stimulus/Response Sequences**

**SRS\_Close Account \_001**

An admin to close account of the client should follow these steps:

* Write The Account No of client (it should accept numbers only, not accept special characters, not start with space, not accept characters).
* Click in button Close Account
* Show popup screen to confirm delete the account of client

**SRS\_Close Account \_002**

If an admin did not enter one of the fields, an error message must appear to ask the admin to enter the field (“field is required”)

**SRS\_Close Account \_003**

If an admin enters an invalid Account No of the client, the system shows an error message.

**SRS\_Close Account \_004**

If an admin clicks in Ok in popup screen the account of client will delete.

**SRS\_Close Account \_005**

If an admin clicks in Cannel in popup screen will disappear and admin will still in his page