Internet Banking System

Software Requirements Specification (SRS)

Version 2.4

7/4/2023

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Comments** |
| 18/2/2023 | Version 1 | Amany,Esraa,Hana | Create SRS |
| 24/2/2023 | Version 2 | Hussien | Table of contents section |
| 14/3/2023 | Version 2.1 | Amany |  |
| 15/3/2023 | Version 2.2 | Amany |  |
| 17/3/2023 | Version 2.3 | Amany |  |
| 7/4/2023 | Version2.4 | Amany |  |

**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 alert message 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 alert message “Invalid Data”.

**SRS\_Register\_004**

If the client did not enter fields or were empty, a message should be displayed asking the client to enter the required fields (“please fill out this field”).

### 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\_003**

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”).

**SRS\_Login\_004**

If the client did not enter the email or the password or both fields were empty, a message should be displayed asking the client to enter the required fields (“please fill out this field”).

### 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. |

#### **2.3.3.1 Description and Priority (Perform Transaction)**

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

The priority is high (Assumption).

#### **2.3.3.2 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, a message should be displayed asking the client to enter the required fields (“please fill out this field”).

**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”).

#### **2.3.4.1 Description and Priority(Add New Account)**

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

add account button the system will provide an alert 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).

#### **2.3.4.2 Stimulus/Response Sequences**

**SRS\_Add New Account \_001**

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

#### **2.3.5.1 Description and Priority (Close Account)**

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

The priority is high (Assumption).

#### **2.3.5.2 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

**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 (“please fill out this field”)

**SRS\_Close Account \_003**

If an admin enters an invalid Account No of the client, the system shows an alert message “account does not exist”

**SRS\_Close Account \_004**

If an admin clicks in Ok in an alert message the account of client will delete.

**SRS\_Close Account \_005**

If an admin tries to delete account with balance show an alert message “Cannot delete the account as the current balance is greater than zero”

#### **2.3.6.1 Description and Priority (Logout)**

The client or an admin will be logged out of his account

#### **2.3.6.2 Stimulus/Response Sequences**

**SRS\_Logout\_001**

The user will be logged out if click on log out button