Internet Banking System

Software Requirements Specification(SRS)

Version 2.0

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**Revision History**

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**Document Approval**

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

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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** | **Word** |
| --- | --- |
| No | Number |

## 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. Forget password
4. Login and Logout
5. View account

The Admin features :

1. Login and Logout
2. Forget password
3. Close Account
4. View all accounts

### 2.1 Register

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

The client should register to make a new account.

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:

1. First name (it should accept letters only with length not less than 2, not greater than 15 , must not be blank , not accept special characters and not start with space).
2. Last name (it should accept letters only with length not less than 2, not greater than 15 , must not be blank , not accept special characters and not start with space).
3. Email (it should match the email format like example@example.com
4. Password (it must contain at least 8 characters, with letters, numbers, and special characters).
5. Confirm password (it must match the password)
6. Click in submit
7. Send to the client account no to his mail.

**SRS\_Register\_002**

If the user did not enter any field or did not enter all the required fields, an error message must appear to ask the user to enter all the fields (“all fields are required”)

**SRS\_Register\_003**

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

the system showed an error message .

**SRS\_Register\_004**

The client received code to his mail to login the system.

### 2.2 Login and Logout

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

**Client:** A client can login by his Account No. and password.

**Admin:** The client can login by his username and password.

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

**SRS\_Login\_001**

**The client** should enter these required data to make a login process:

* Account number (It must be equivalent to the account number given to the client on registering, and the field should accept numbers only).
* Password (it must be equivalent to the password which the client saved on registering).
* Login button.

**SRS\_Login\_002**

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

* ID (It must be valid, and it must accept numbers only).
* Password (it must be valid).
* Login button.

**SRS\_Login\_003**

If the client or the admin did not enter one of the fields, an alert must be displayed “all fields are required”.

**SRS\_Login\_004**

If the client or the admin did not enter both fields as described in sections **SRS\_Login\_001 and SRS\_Login\_002,** an alert will be displayed (“invalid inputs”).

**SRS\_Logout\_001**

The user will be logged out automatically in 10 minutes.

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### 2.3 View Account

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

| **Client:** A Client can view his account only.  View page content: name, Date, Current balance, all transactions transfer history and Session timer.  **Admin:** An Admin can view all the clients who come under his supervision  View content: view client's account numbers and names.  The priority is high (Assumption). **2.3.2 Stimulus/Response Sequences** **SRS\_ ViewAccount \_001**  **An admin** to view a client's account should Enter the Account No and Submit.  Account No (Account No must not be blank, Special characters are not allowed and Characters are not allowed).  **SRS\_ ViewAccount \_002**  **The Client** to view his account the client must login the system.  **SRS\_ ViewAccount \_003**  If an admin wants to View an account of a client which is not under his supervision the system must show an error message.  **SRS\_ ViewAccount \_004**  If an admin enters an invalid Account No of the client, the system shows an error message.  **SRS\_ ViewAccount \_005**  If the client does not login the system, the client can’t show his account. |
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### 2.4 Perform Transaction

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

**Client:** a client can transfer money to any account.

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).
* Transfer button.

**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”).

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### 2.5 Forget password

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

**Client :** A Client can Forget the password of only his account.and code will be sent to his email.

**Admin :** An Admin can Forgot the password of only his account. He cannot forget passwords of his customers.and code will be sent to his email.

The priority is high (Assumption).

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

**SRS\_ForgetPassword\_001**

To make forget password process, A client or an admin they should enter these required data:

1. Account No (it should accept numbers only not accept special characters , not start with space,not accept characters).
2. Email (it should match the email format like example@example.com ).
3. Click in send .
4. Send a client or admin link in his email to put a new password .

**SRS\_ForgetPassword\_002**

If a client or an admin did not enter any field or did not enter all the required fields, an error message must appear to ask the user to enter all the fields (“all fields are required”)

**SRS\_ForgetPassword\_003**

If the client did not enter fields as required in section **SRS\_ForgetPassword\_001** the system showed an error message .

### 2.6 Close Account

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

**Admin:** can close an account of clients under his supervision.A client can close his account only if he/she has no active current accounts.

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 this steps

1. Write The Account No of client (it should accept numbers only, not accept special characters , not start with space, not accept characters).
2. Click in button
3. 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 wants to close an account of a client which is not under his supervision the system must show an error message.

**SRS\_Close Account \_004**

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

## 3. Other non-functional attributes

#### **3.1 Security**

The system shall be designed with a level of security appropriate for the sensitivity of information enclosed in the database. More interaction is needed with clients about the volatility of the information. Since there is no obvious information that is of a high security level such as Account information.

#### **3.2 Reliability**

Reliability is one of the key attributes of the system. Back-ups will be made regularly so that restoration with minimal data loss is possible in the event of unforeseen events. The system will also be thoroughly tested by all team members to ensure reliability.

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