Internet Banking System

Design Document

Version 7

7/5/2023

## Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Description** | **Author** | **Comments** |
| 8/4/2023 | Version 1 | Esraa | Create Design document |
| 9/4/2023 | Version 2 | Hana & Amany | Updating Design  Document. |
| 9/4/2023 | Version 3 | Hana | Adding functions |
| 26/4/2023 | Version 4 | Hana | Update as per coach review |
| 27/4/2023 | Version 5 | Amany | Update high level design |
| 6/5/2023 | Version 6 | Hana | Update as per  Coach review. |
| 7/5/2023 | Version 7 | Hana | Update as per customer change request. |

## 1. Introduction

Internet Banking System, where the client can register using his name, email, and password, then the client can login using his email and password and redirected to the view Account page. The client can only have one account, so after registering, he can create an account, but he is unable to create another one, unless his account is deleted by the admin. Also the client can transfer money by entering the destination account number and the amount of money to be transferred.

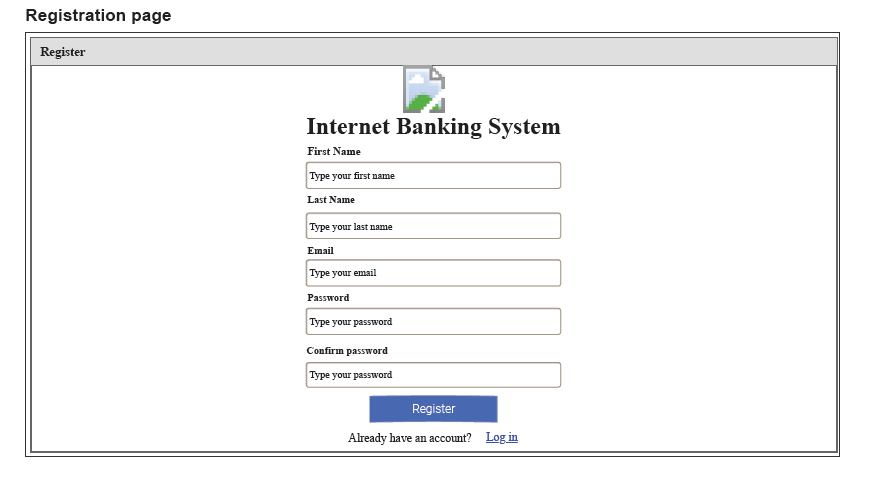
Admin can login by his email and password, then redirected to the view admin page where he can view all the client’s accounts, also he can close a client’s account if the balance of this account is zero.

Both users can logout.

## 2. Generic Diagrams

## Wire Frames

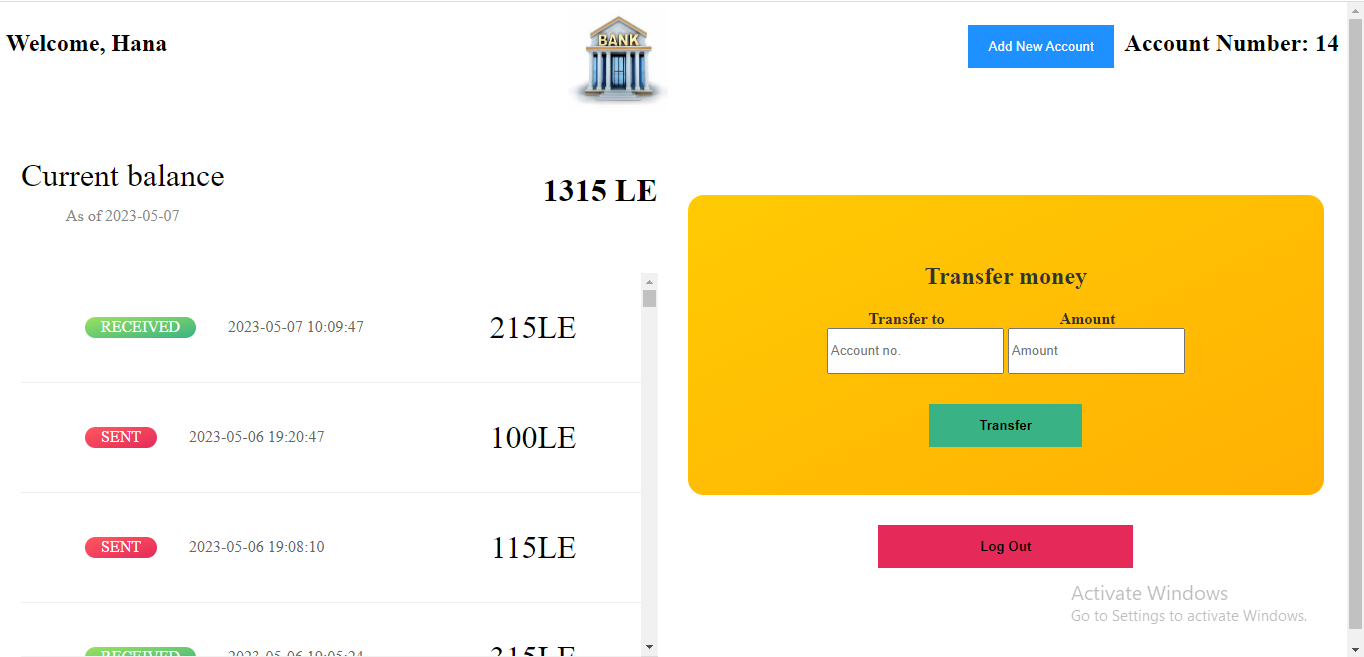
Register\_wireFrame\_1



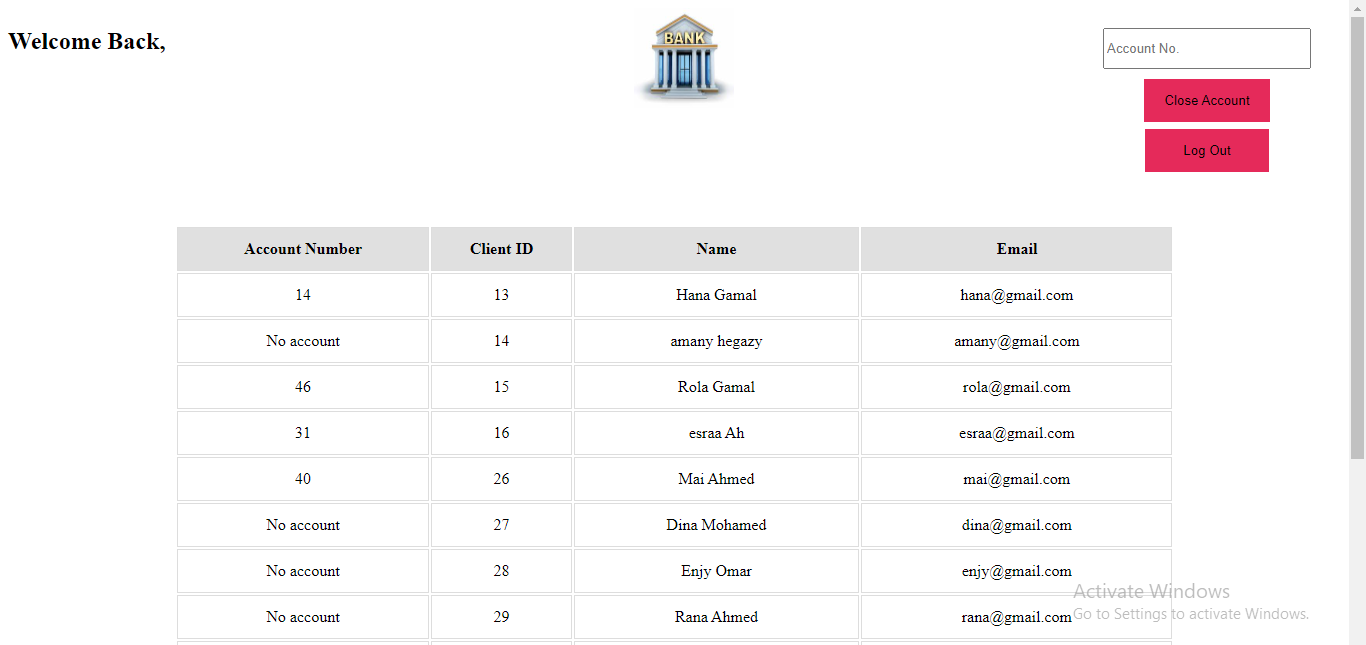
Login\_wireFrame\_1



ViewClient\_wireFrame\_1



viewAdmin\_wireFrame\_1



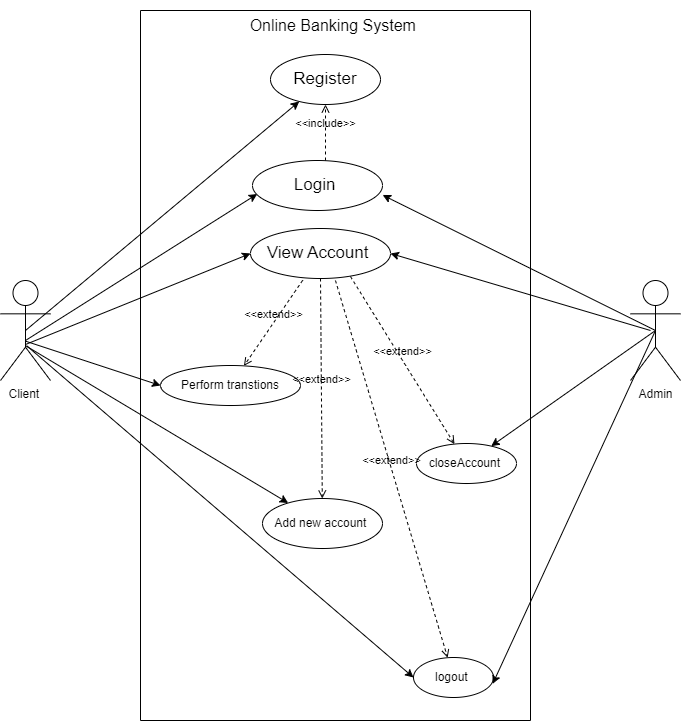
ERD\_001

Diagram

Description automatically generated

## 2.2 Use Case

UseCase\_001



## 3. Model Based Section

## 3.1 Login

## 3.1.1Class Diagram

classDiagram\_login\_001

Graphical user interface, text, application

Description automatically generated

## 3.1.2 High Level

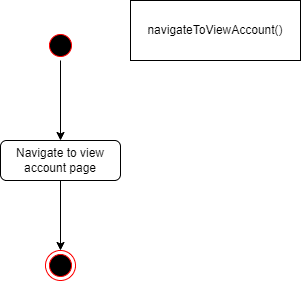
Client

Generic sequence diagram which is not related to one function, it is related to login and view Account features.

A screenshot of a computer screen

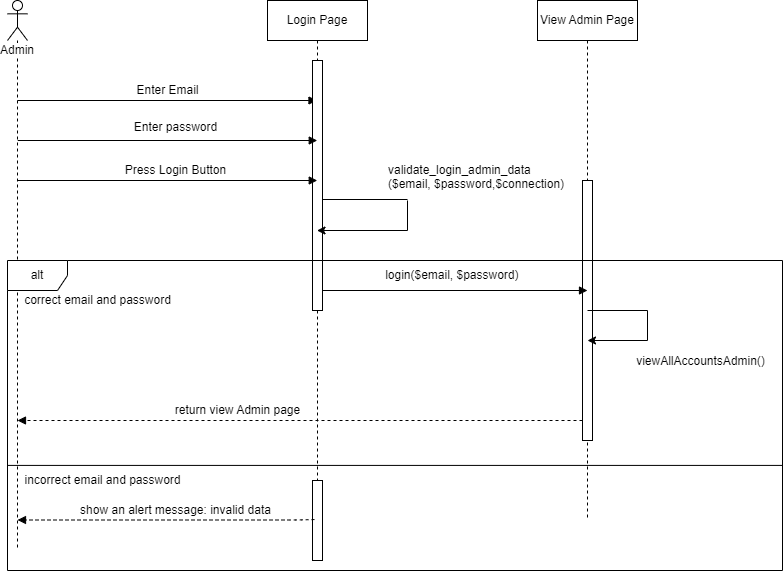
Description automatically generated with low confidence

High\_Design\_navigate\_to\_view\_account\_page\_1

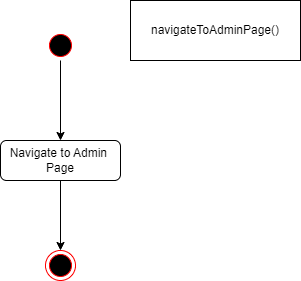


Admin

Generic sequence diagram which is not related to one function, it is related to login and view admin features.

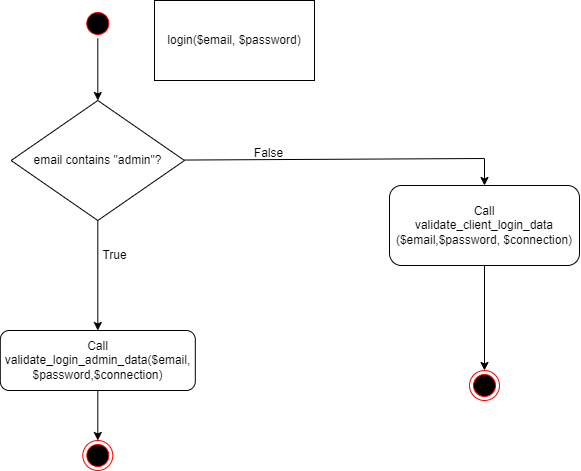


High\_Design\_navigate\_to\_admin\_page\_1

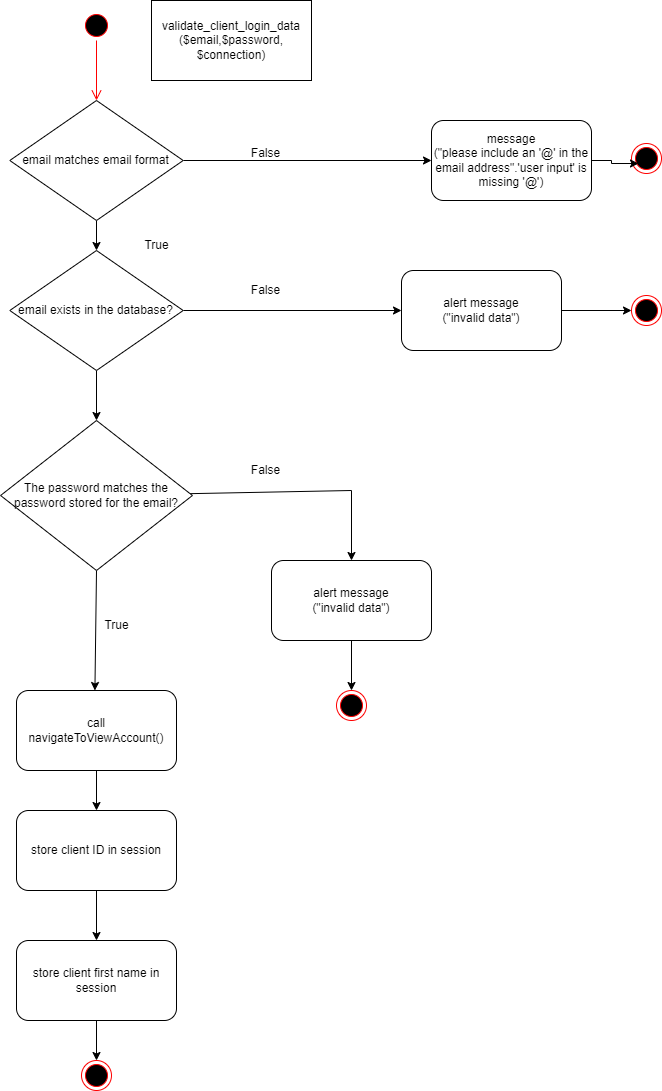


## 3.1.3 Low Level

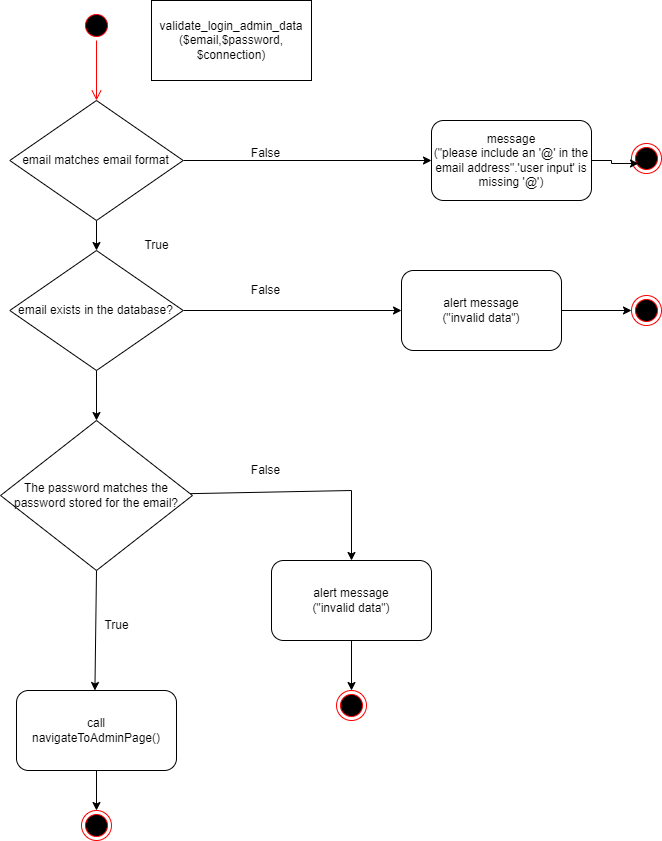
Low\_Design\_login\_1



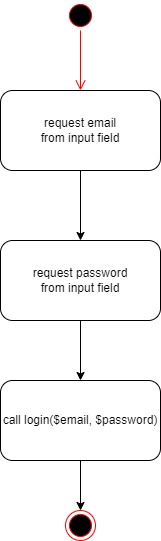
Low\_Design\_login\_client\_2



Low\_Design\_login\_admin\_1



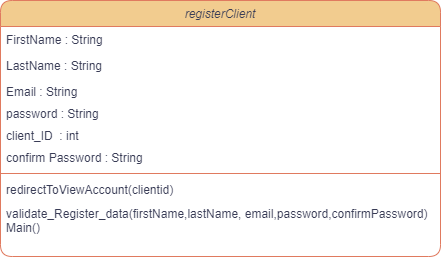
Low\_Design\_loginMain\_1



## 3.2 Register

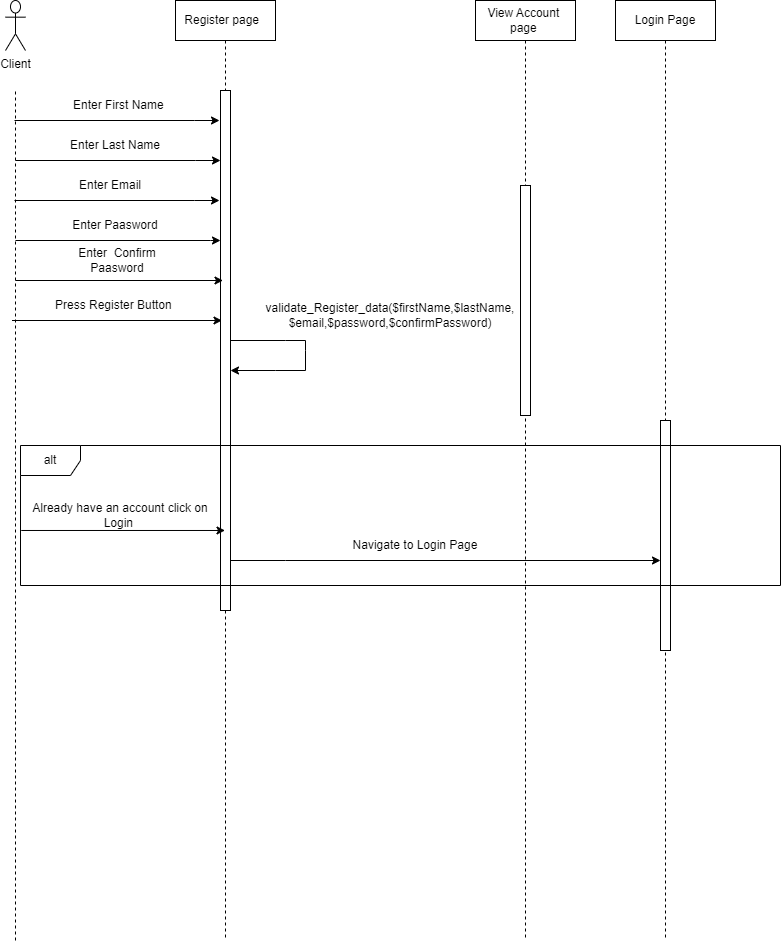
## 3.2.1 Class Diagram

classDiagram\_register\_001

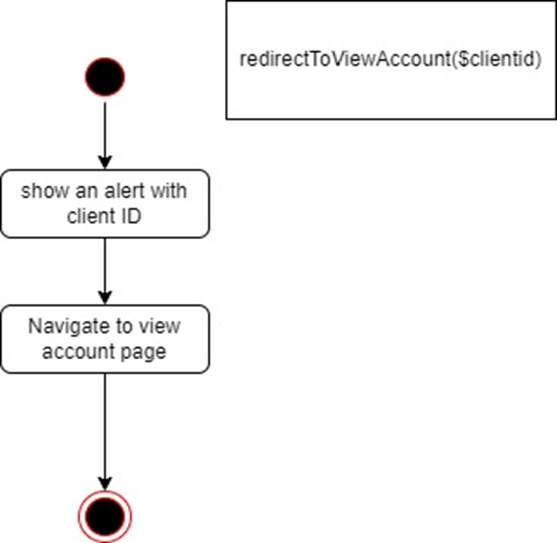


## 3.2.2 High Level

Generic sequence diagram, which is not related to specific function, but describes register feature.

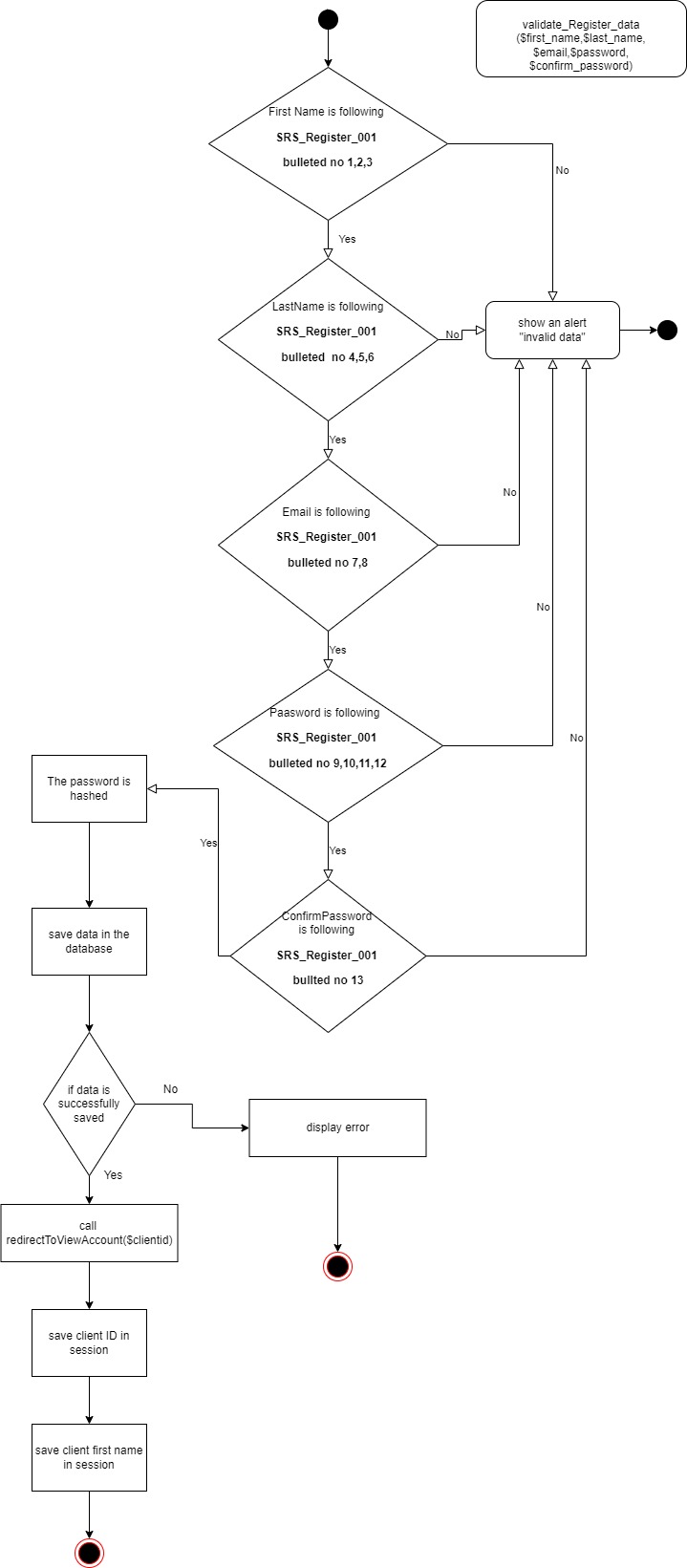


High\_level\_navigate\_after\_register\_1

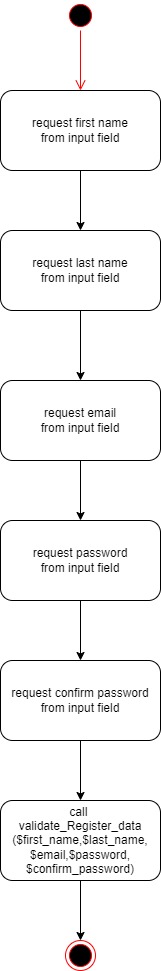


## 3.2.3 Low Level

Low\_Design\_reg\_1



Low\_Design\_regMain\_3



## 3.3 View Account

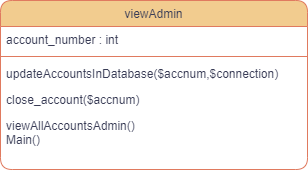
## 3.3.1 Class Diagram

classDiagram\_viewAccount\_Client\_001

Graphical user interface, text, application, email

Description automatically generated

classDiagram\_viewAccount\_Admin\_001



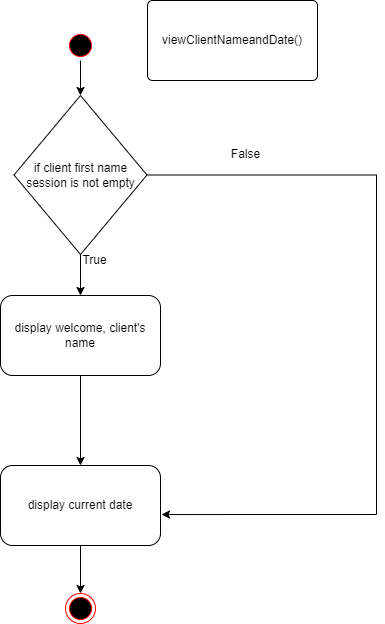
## 3.3.3 Low Level

Low\_Design\_ViewTransaction\_1

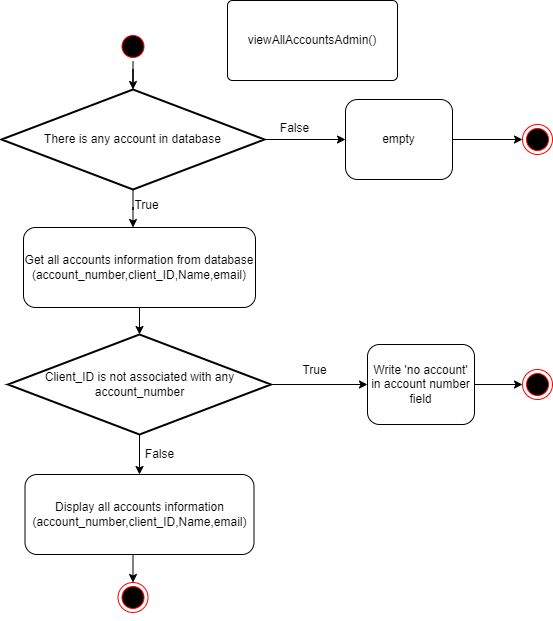
Diagram

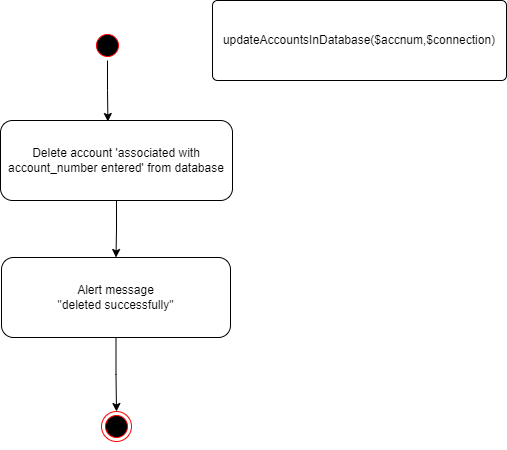
Description automatically generated

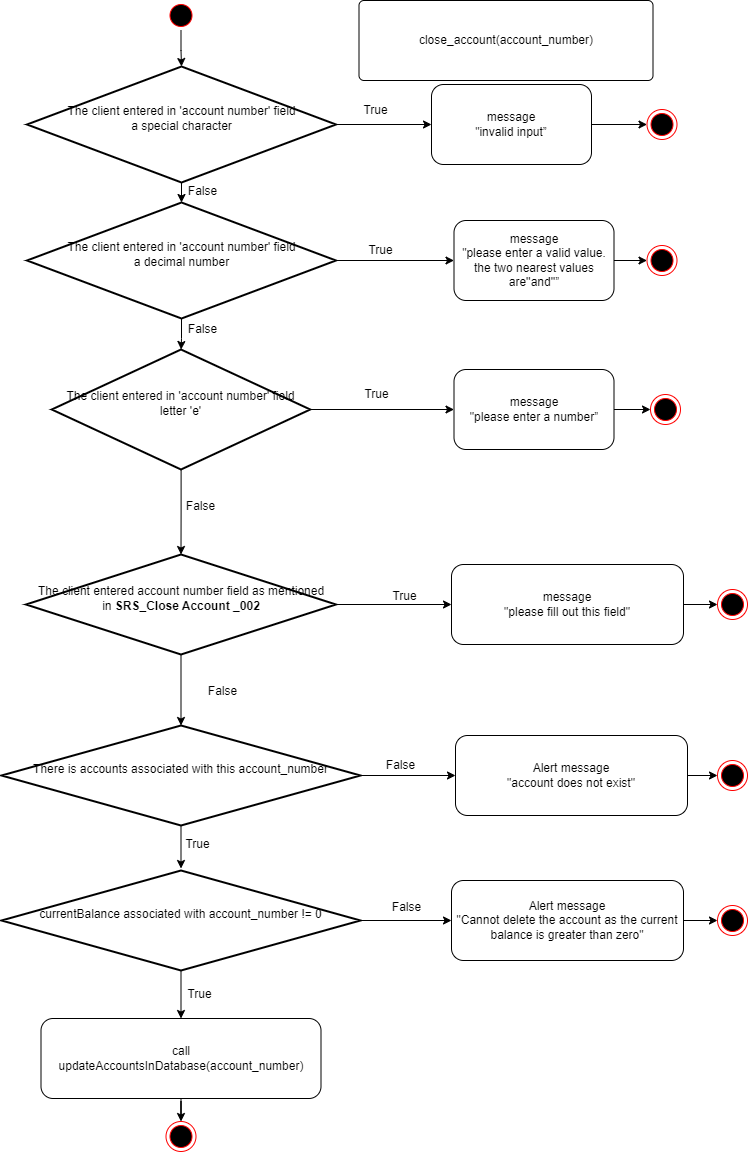
Low\_Design\_Display\_ClientName\_Date\_1



Low\_Design\_ViewAllAccounts\_Admin\_1



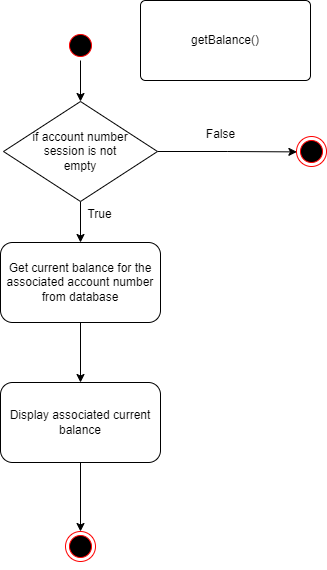
Low\_Design\_closeAccount\_Admin\_1

Low\_Design\_closeAccount\_Admin\_2

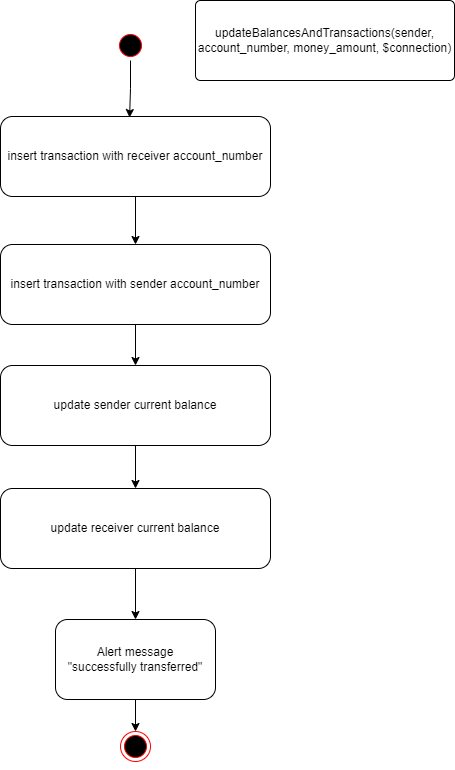
Low\_Design\_ViewAccountNumber\_Client\_1Diagram

Description automatically generated

Low\_Design\_getBalance\_Client\_1



Low\_Design\_transferMoney\_Client\_1



Low\_Design\_transferMoney\_Client\_2

A picture containing text, diagram, sketch, line

Description automatically generated

Low\_Design\_addAccount\_client\_1

Diagram

Description automatically generated

Low\_Design\_ViewClientMain\_1

Diagram

Description automatically generated

Low\_Design\_ViewAdminMain\_1

Diagram

Description automatically generated

## 3.4 Logout

## 3.4.1 Class Diagram

classDiagram\_logout\_1

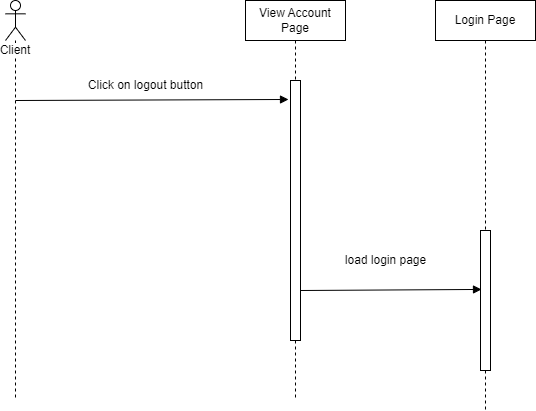
Graphical user interface

Description automatically generated with low confidence

## 3.4.2 High Level

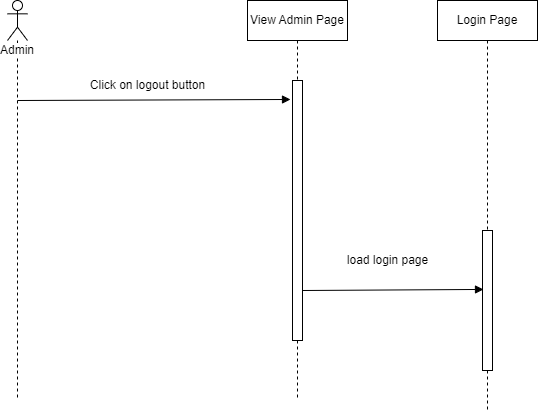
Client

Generic sequence diagram which is related to Logout



Admin

Generic sequence diagram which is related to Logout



High\_Design\_Logout\_1

