Internet Banking System

Design Document

Version 6

27/4/2023

## 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. |

## 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, where he can add a new account, view drop down list containing all his account. He can choose one of his accounts, then the current balance and the previous transactions related to this account are displayed, also the client can transfer money by entering the destination account number and the amount of money to be transferred.

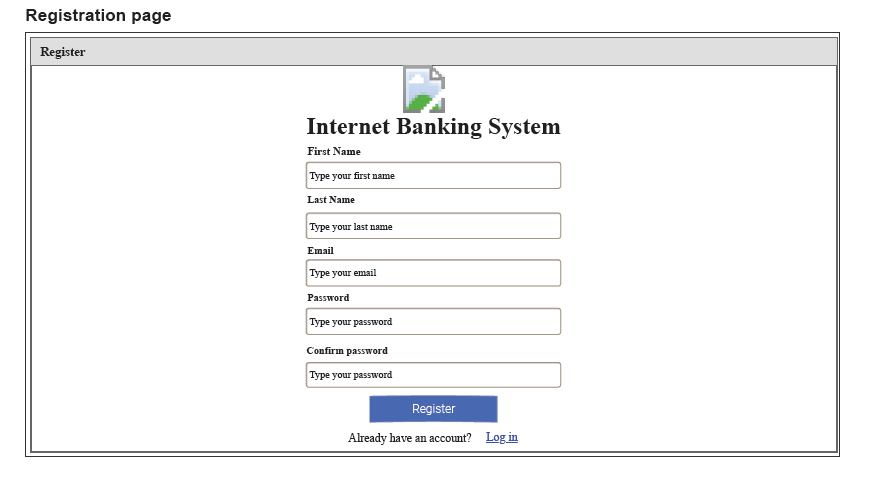
Admin can login by his email and password, then redirected to the view admin page where he can view all the accounts of each client, also he can close a client’s account if the balance of this account is zero.

Both users can logout.

## 2. Generic Diagrams

## Wire Frames

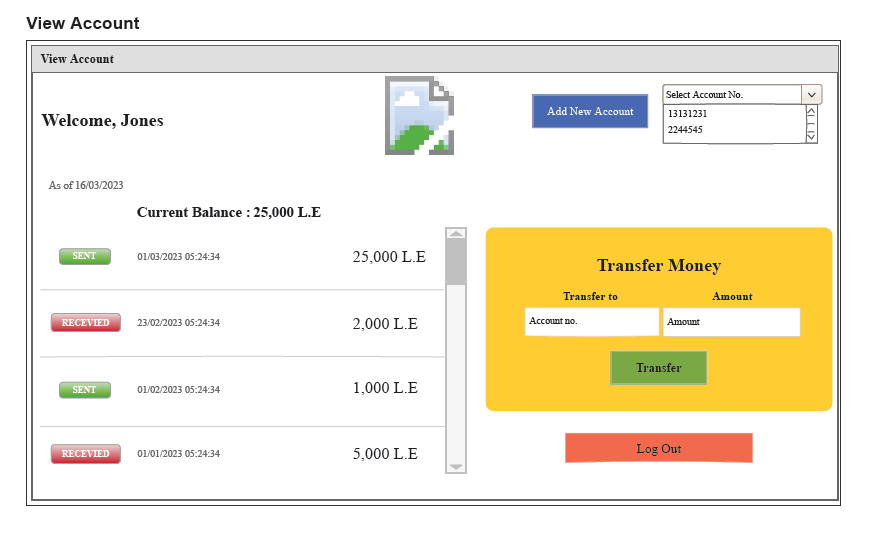
Register\_wireFrame\_1



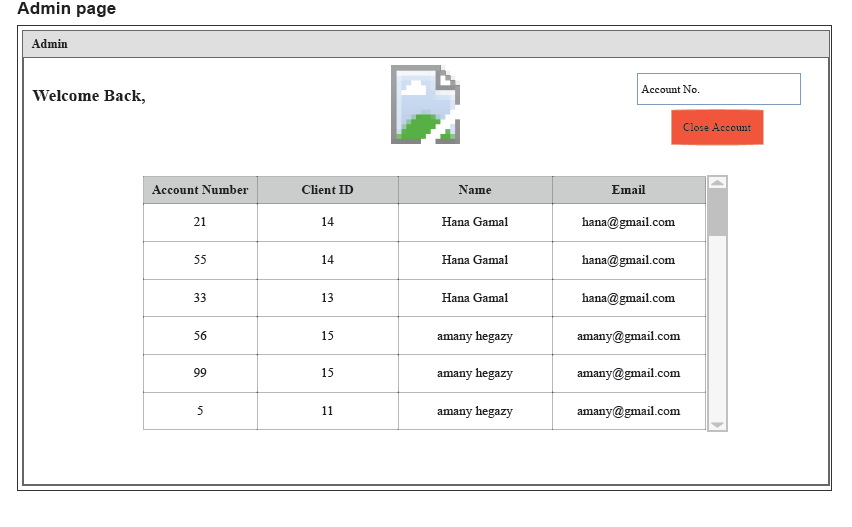
Login\_wireFrame\_1



ViewClient\_wireFrame\_1



viewAdmin\_wireFrame\_1



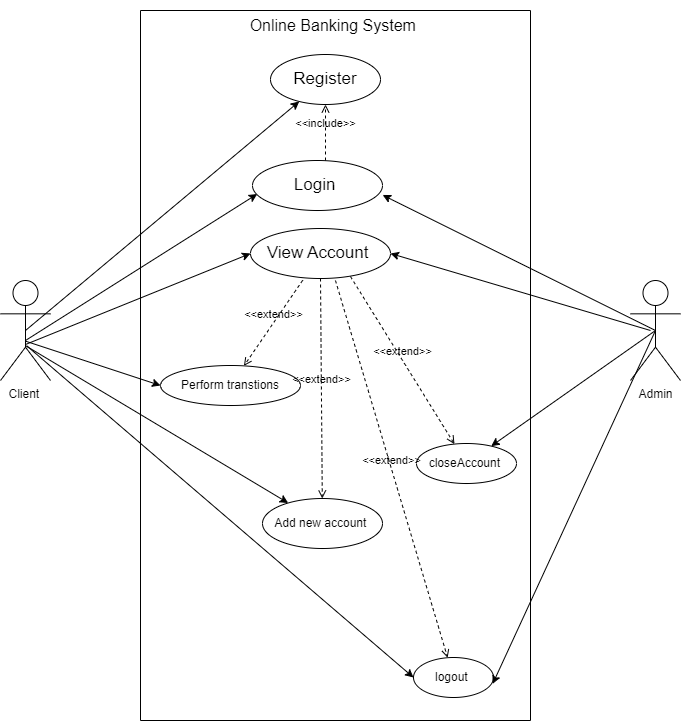
ERD\_001

Diagram

Description automatically generated

## 2.2 Use Case

UseCase\_001



## 3. Model Based Section

## 3.1 Login

## 3.1.1Class Diagram

classDiagram\_login\_001

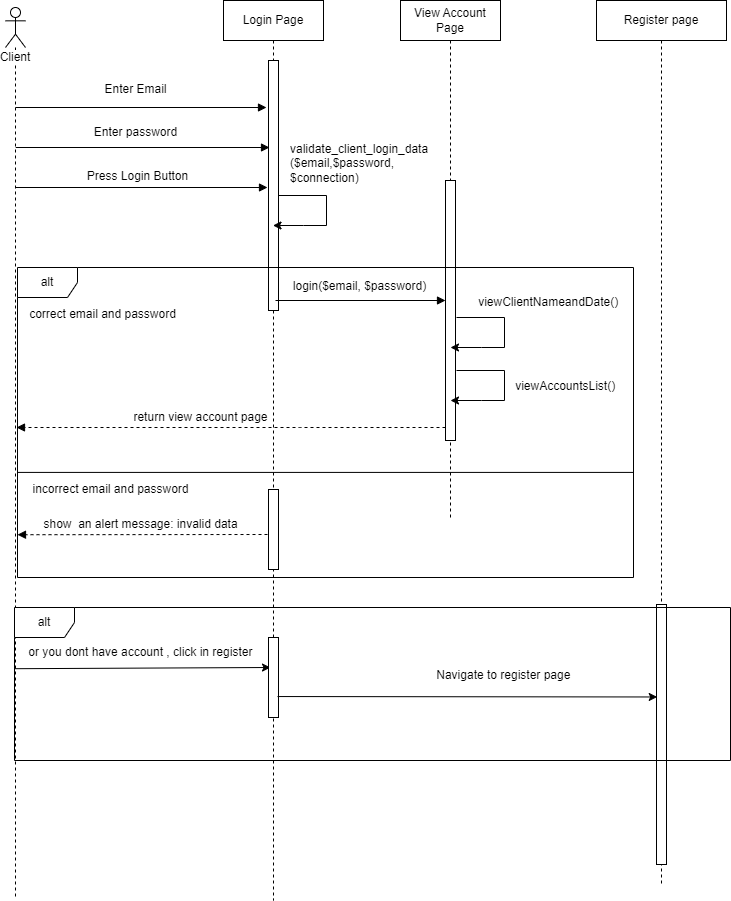
Graphical user interface, text, application

Description automatically generated

## 3.1.2 High Level

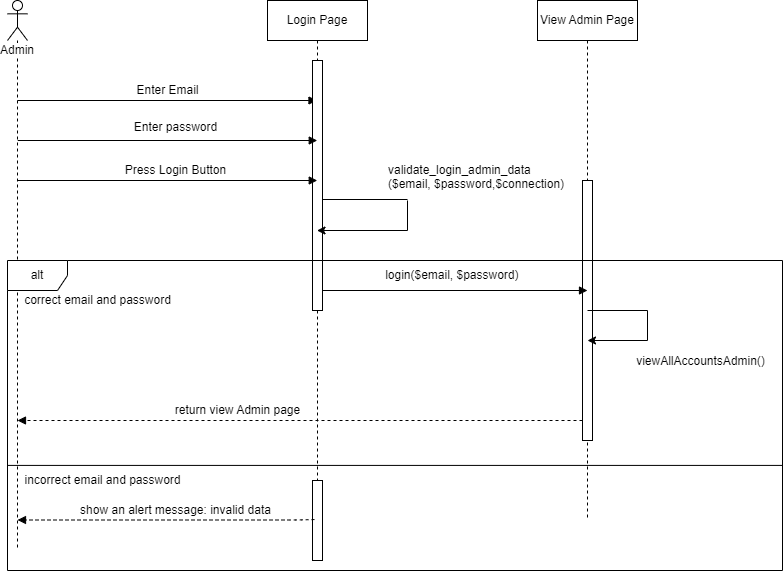
Client

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



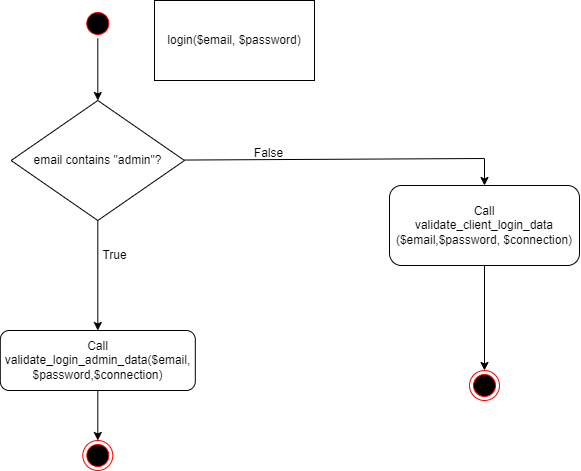
Admin

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

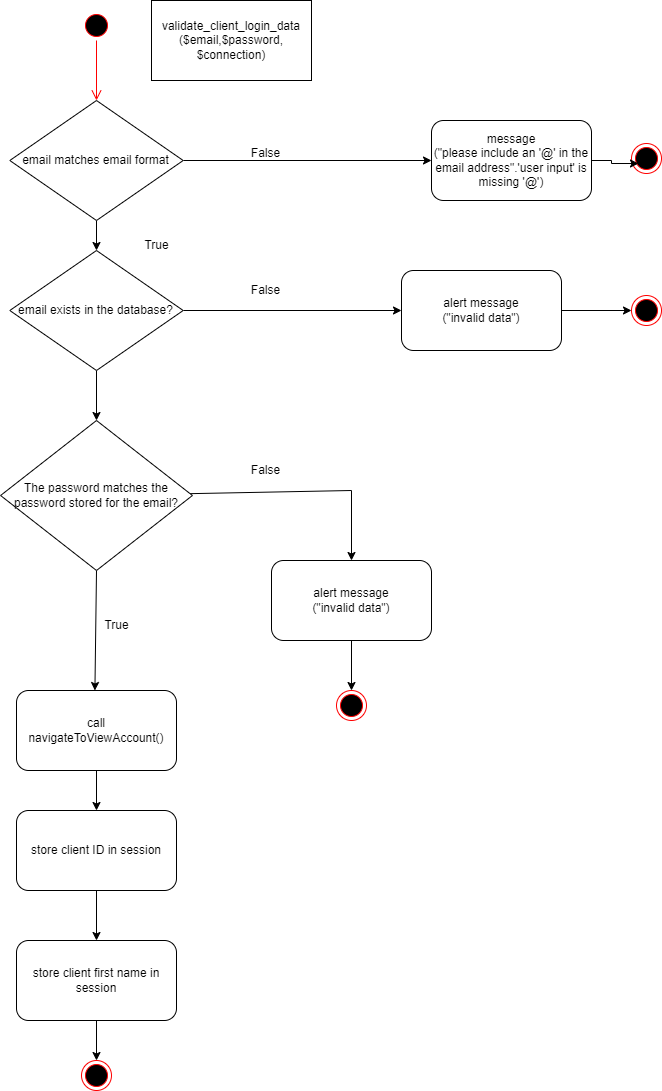


## 3.1.3 Low Level

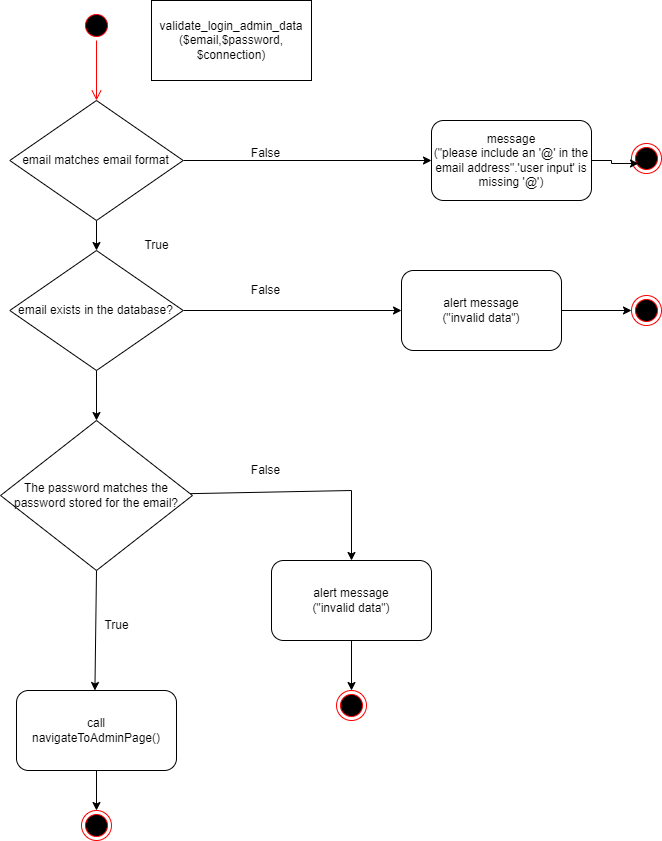
Low\_Design\_login\_1



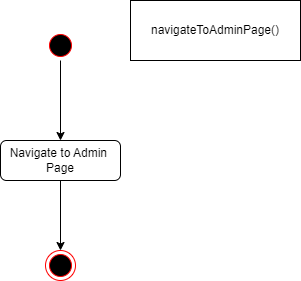
Low\_Design\_login\_client\_2



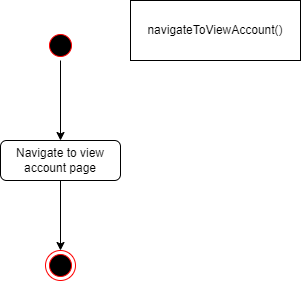
Low\_Design\_login\_admin\_1



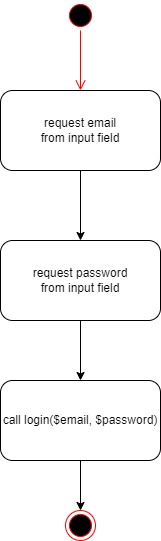
High\_Design\_navigate\_to\_admin\_page\_1



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



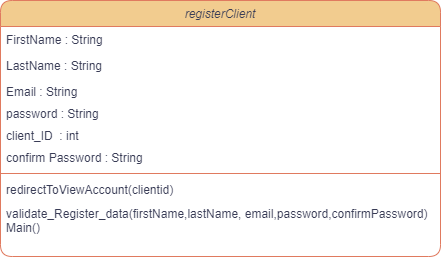
Low\_Design\_loginMain\_1



## 3.2 Register

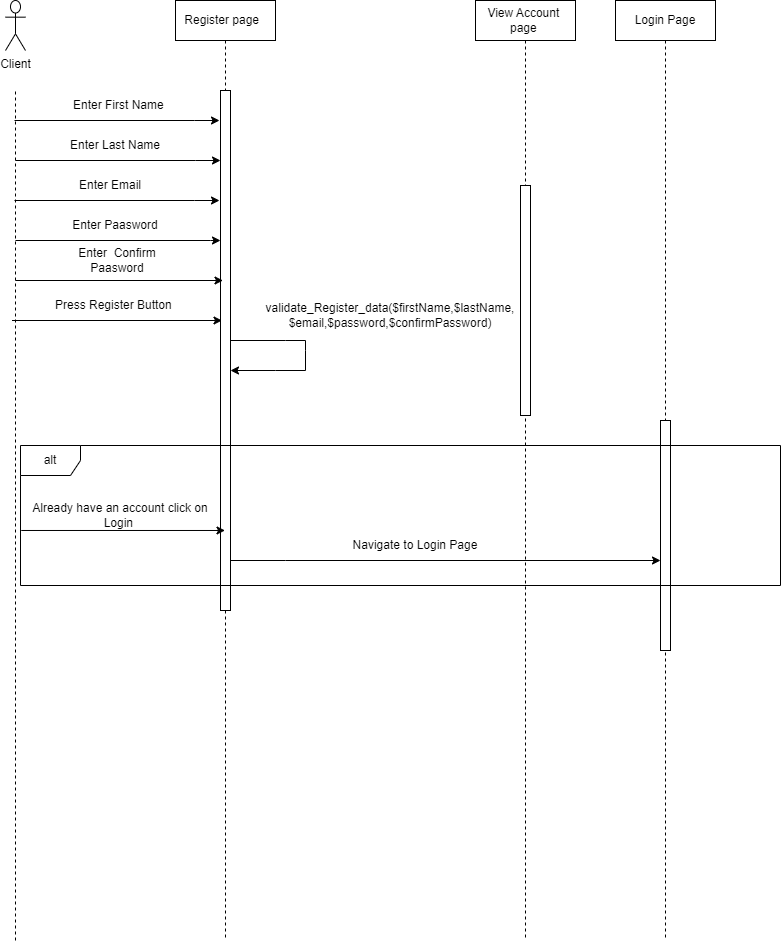
## 3.2.1 Class Diagram

classDiagram\_register\_001



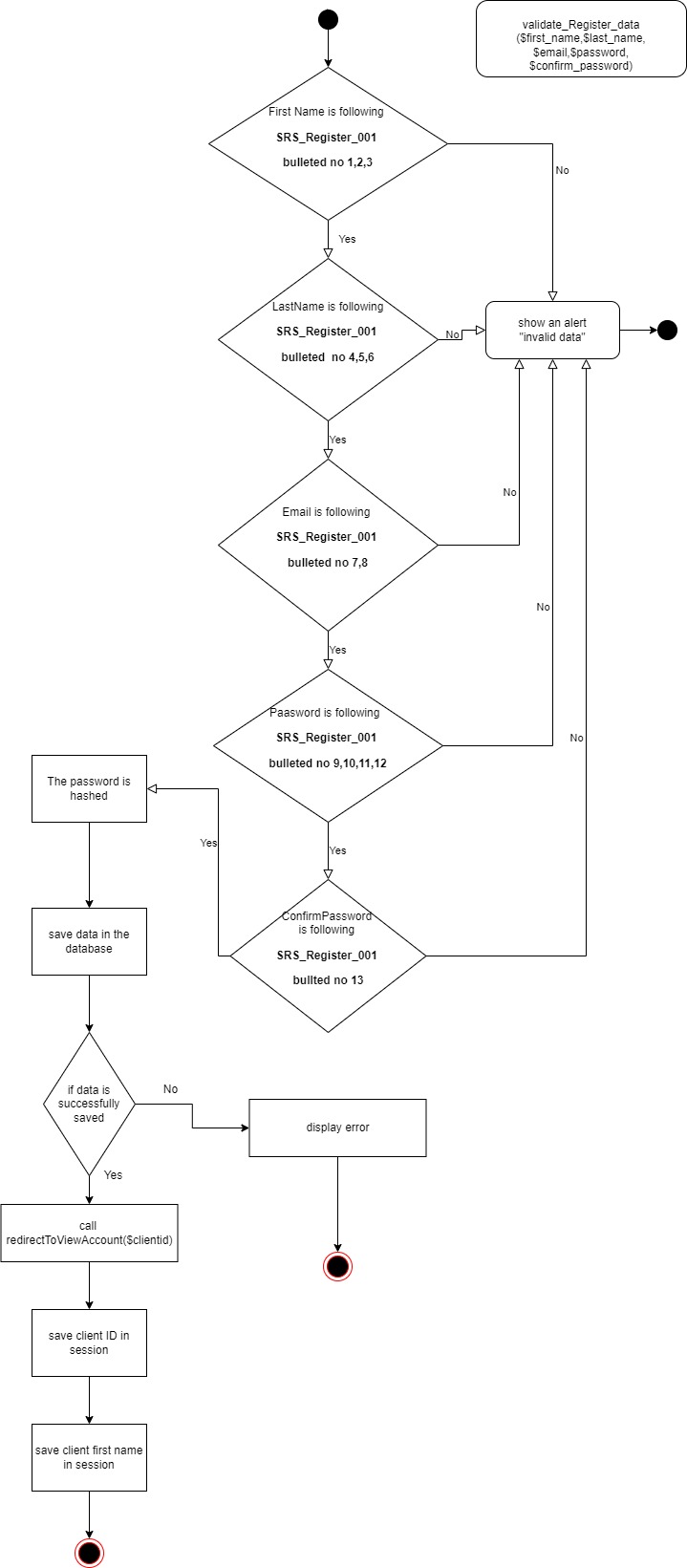
## 3.2.2 High Level

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

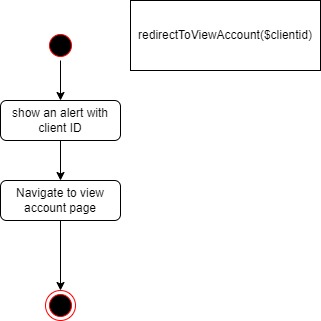


## 3.2.3 Low Level

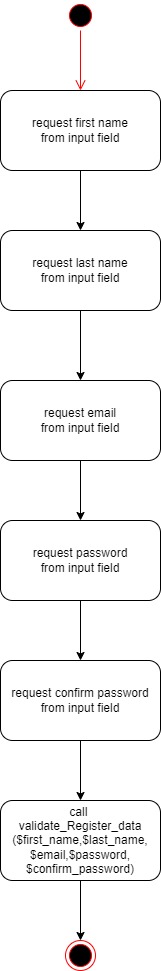
Low\_Design\_reg\_1



High\_level\_navigate\_after\_register\_1



Low\_Design\_regMain\_3



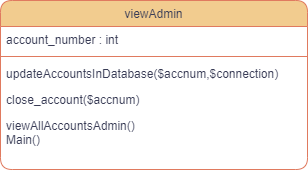
## 3.3 View Account

## 3.3.1 Class Diagram

classDiagram\_viewAccount\_Client\_001

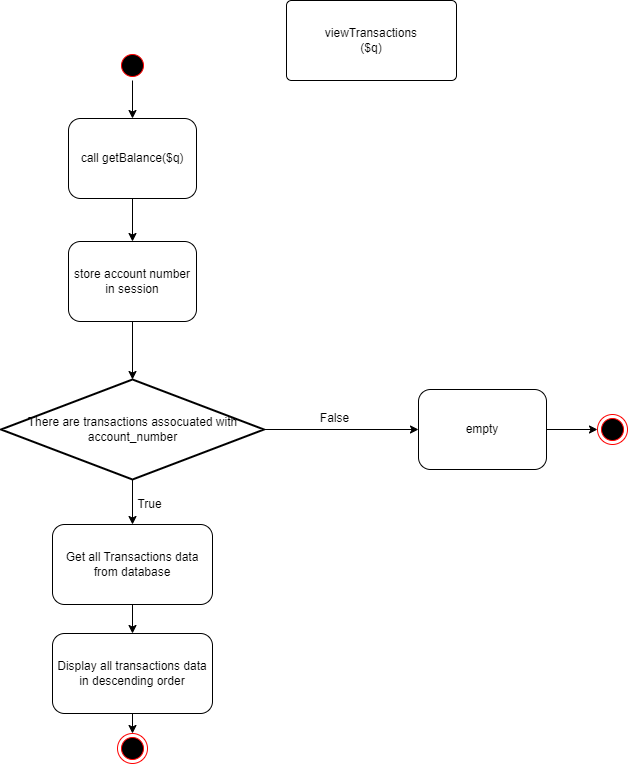


classDiagram\_viewAccount\_Admin\_001

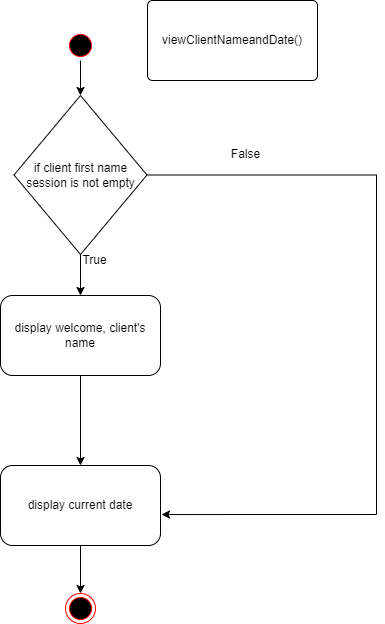


## 3.3.3 Low Level

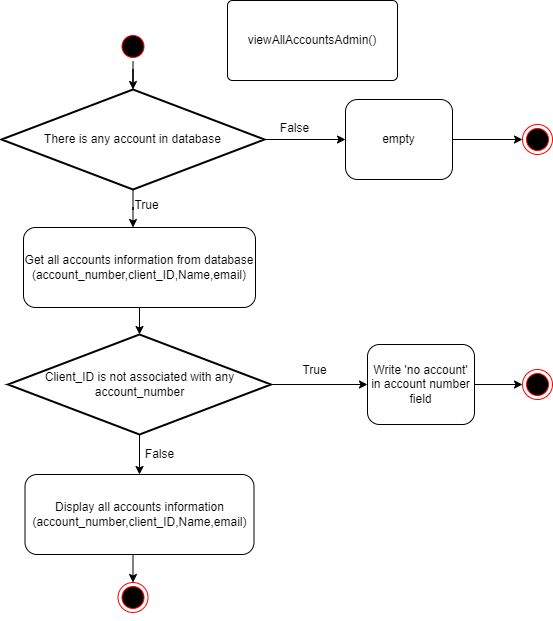
Low\_Design\_ViewTransaction\_1

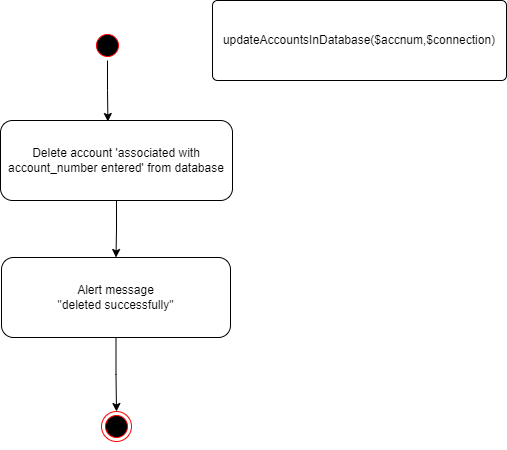


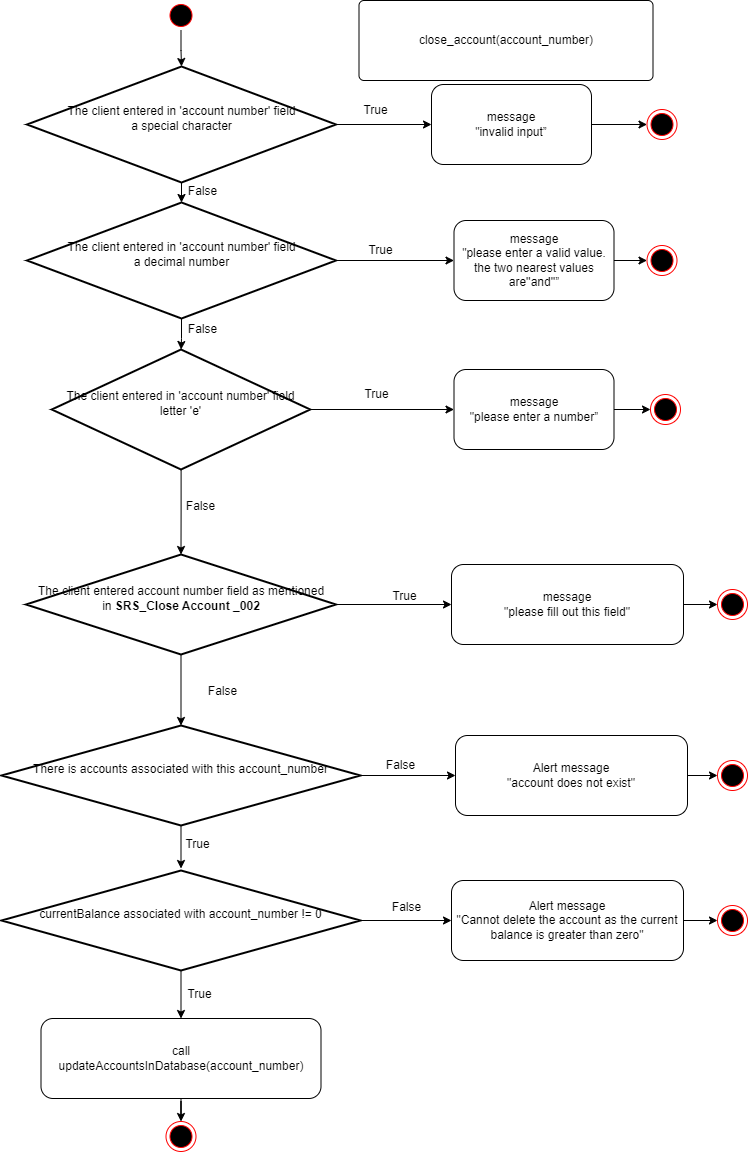
Low\_Design\_Display\_ClientName\_Date\_1



Low\_Design\_ViewAllAccounts\_Admin\_1



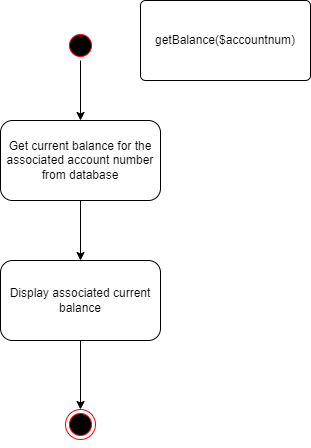
Low\_Design\_closeAccount\_Admin\_1

Low\_Design\_closeAccount\_Admin\_2

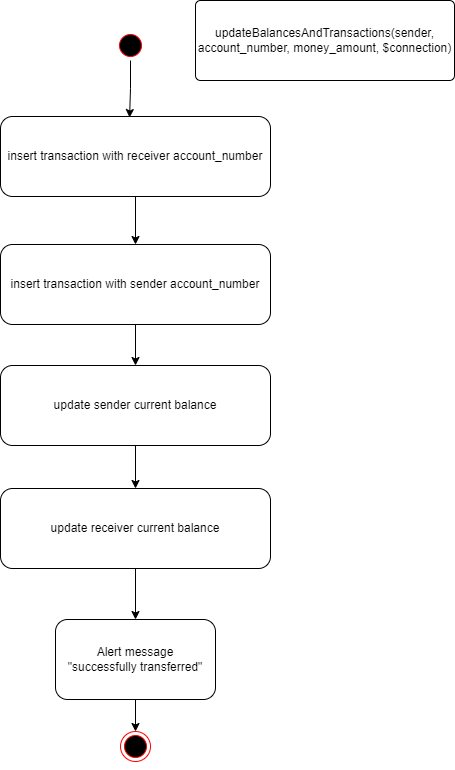
Low\_Design\_ViewAccountsList\_Client\_1Diagram

Description automatically generated

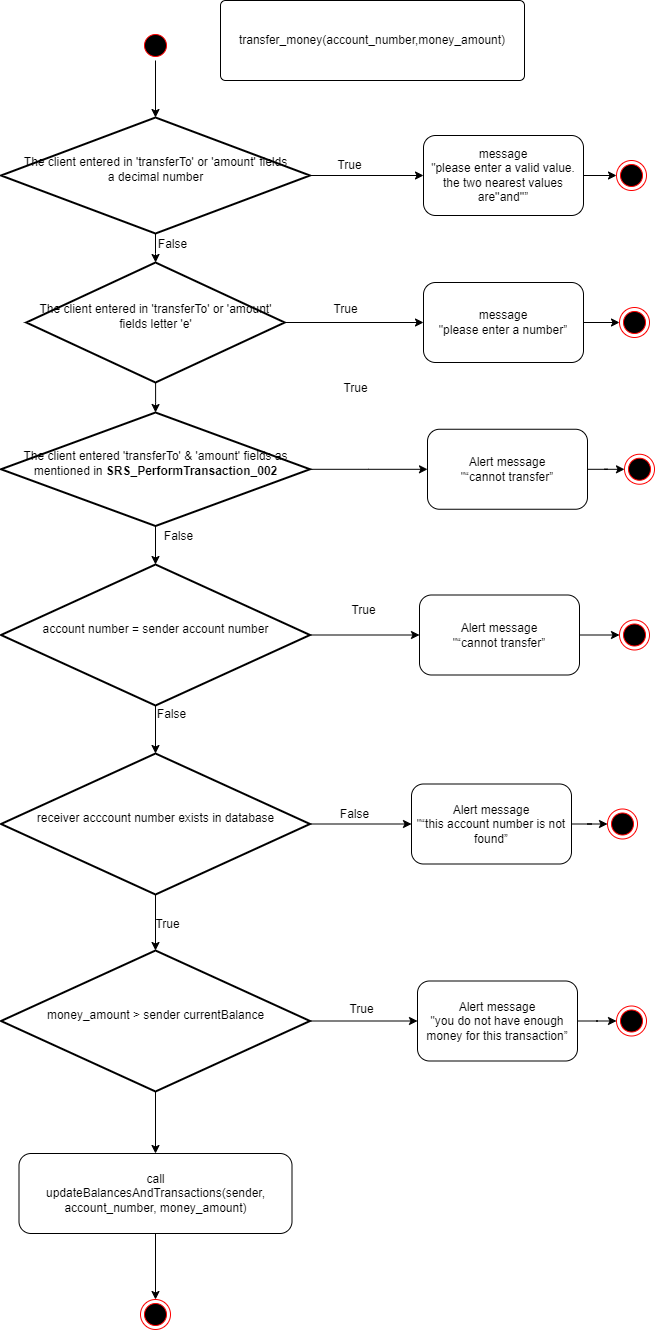
Low\_Design\_getBalance\_Client\_1



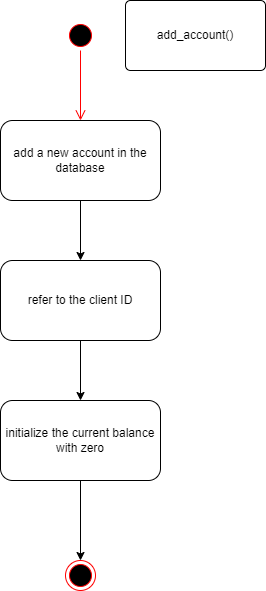
Low\_Design\_transferMoney\_Client\_1



Low\_Design\_transferMoney\_Client\_2



Low\_Design\_addAccount\_client\_1



Low\_Design\_ViewClientMain\_1

Diagram

Description automatically generated

Low\_Design\_ViewAdminMain\_1

Diagram

Description automatically generated

## 3.4 Logout

## 3.4.1 Class Diagram

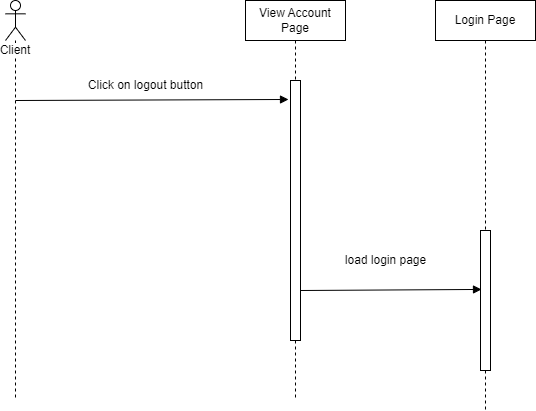
classDiagram\_logout\_1

Graphical user interface

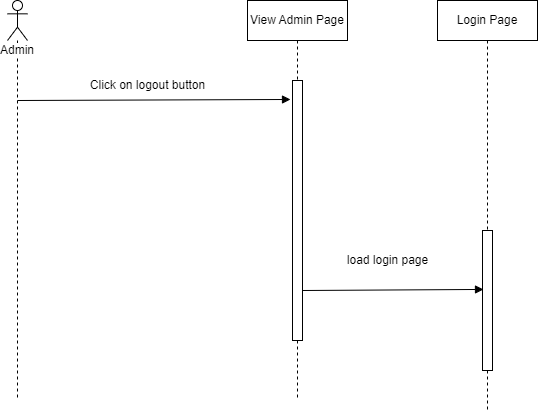
Description automatically generated with low confidence

## 3.4.2 High Level

High\_level\_Logout\_client\_1



High\_level\_Logout\_admin\_1



## 3.4.3 Low Level

Low\_Design\_Logout\_1

