Internet Banking System

Design Document

Version 3

8/4/2023

**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 |

## 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

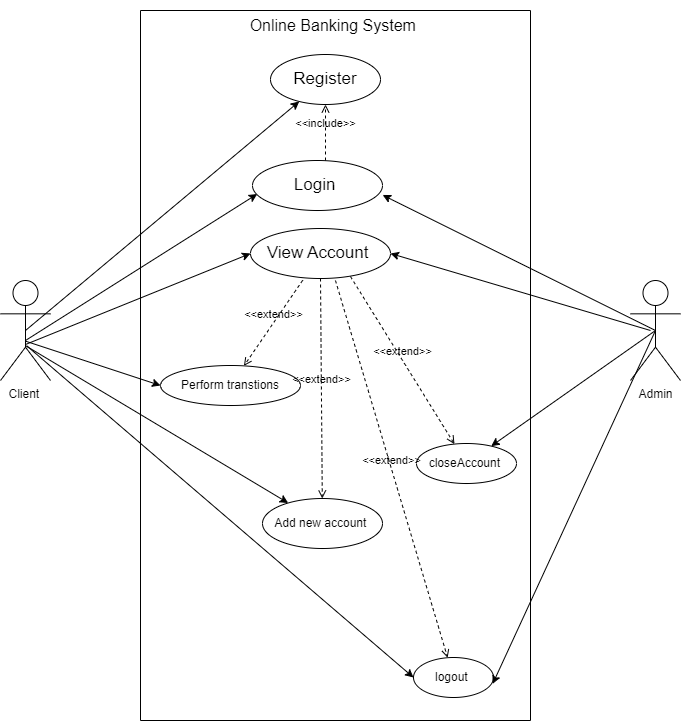
ERD\_001

Diagram

Description automatically generated

2.2 Use Case

UseCase\_001

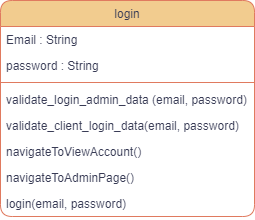


3. Model Based Section

3.1 Login

3.1.1Class Diagram

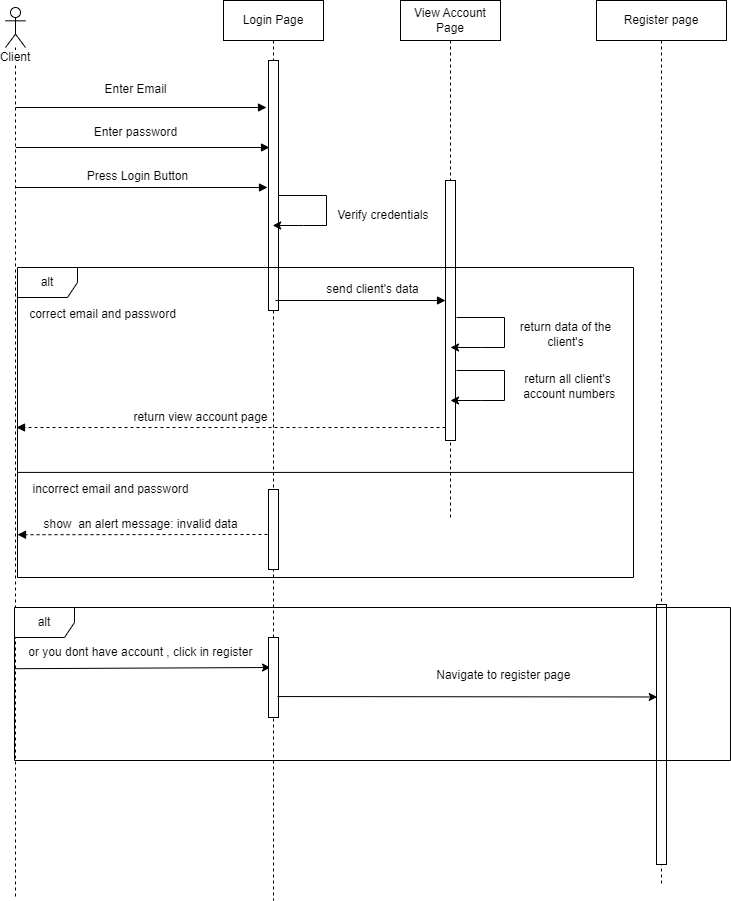
classDiagram\_login\_001



3.1.2 High Level

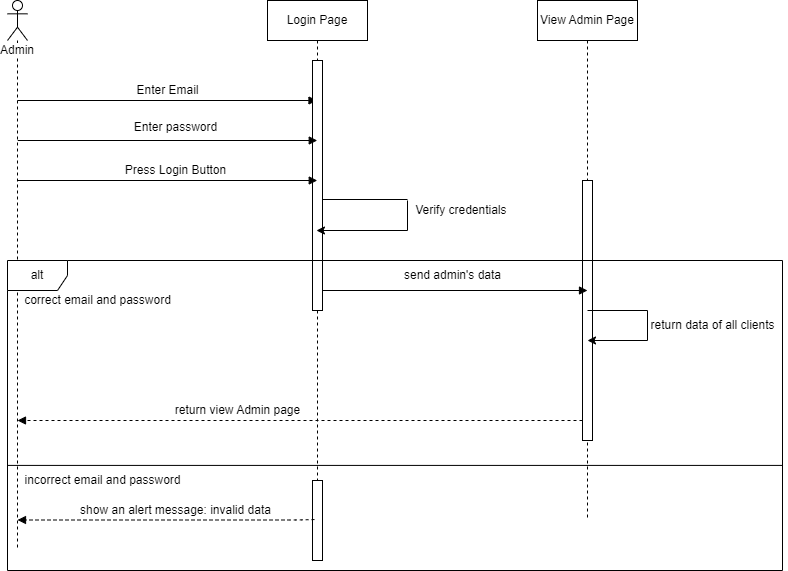
Client

High\_level\_login\_client\_1



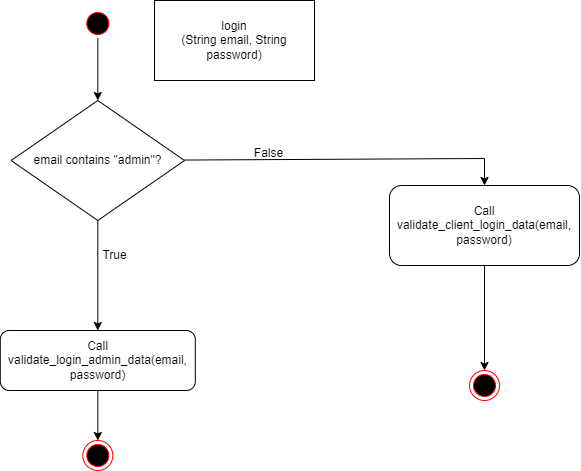
Admin

High\_level\_login\_admin\_1

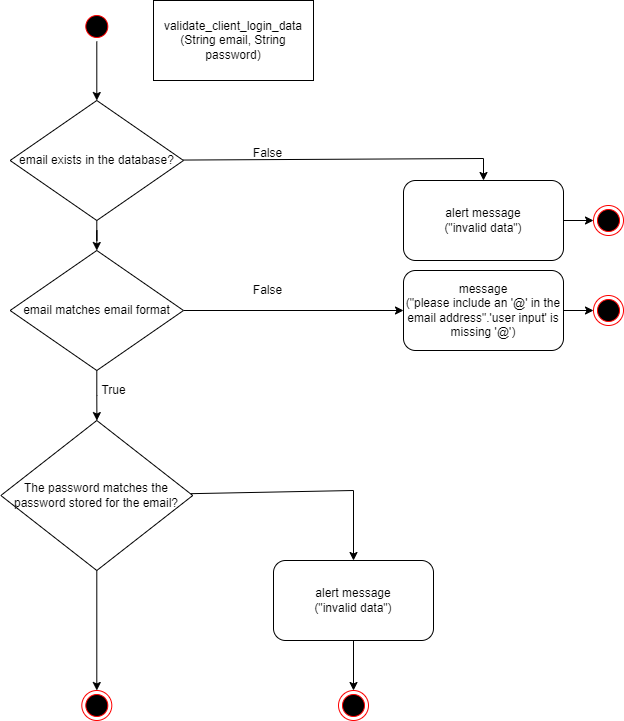


3.1.3 Low Level

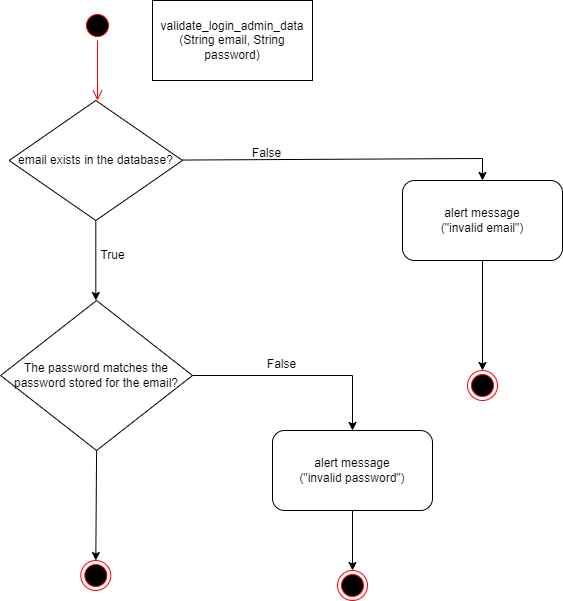
Low\_Design\_login\_1



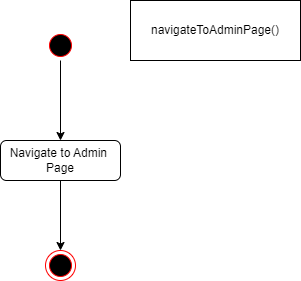
Low\_Design\_login\_client\_2



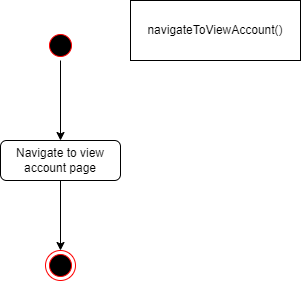
Low\_Design\_login\_admin\_1



Low\_Design\_login\_admin\_2



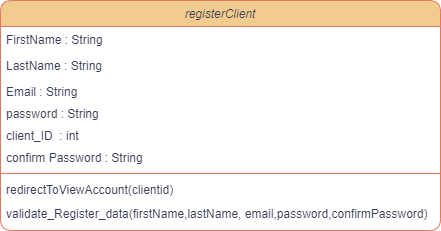
Low\_Design\_login\_client\_3



3.2 Register

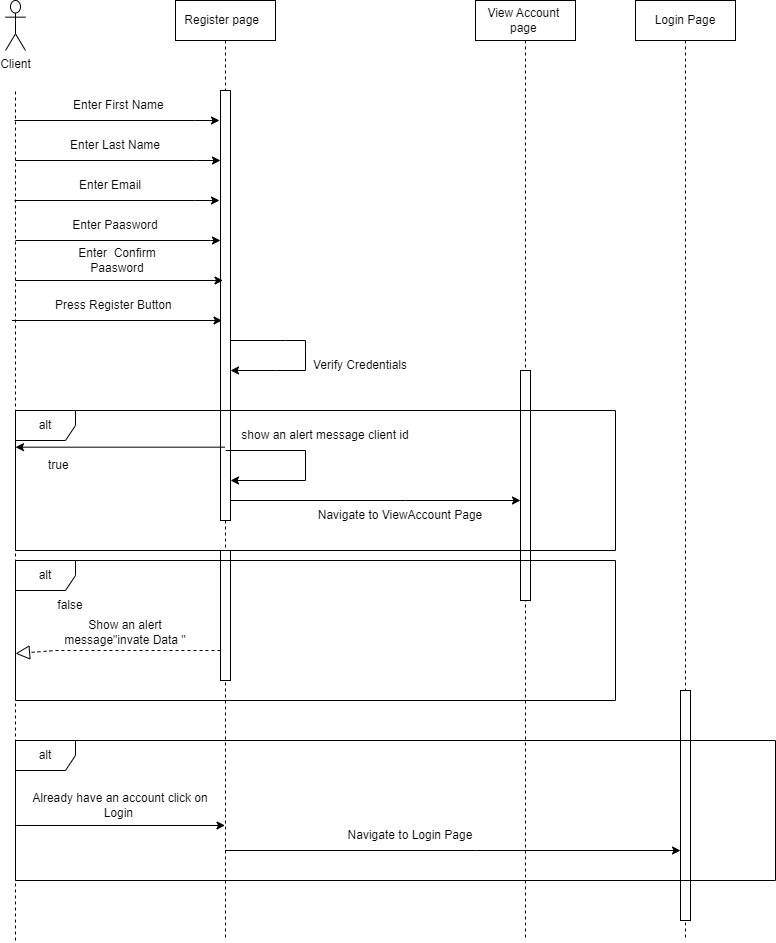
3.2.1 Class Diagram

classDiagram\_register\_001



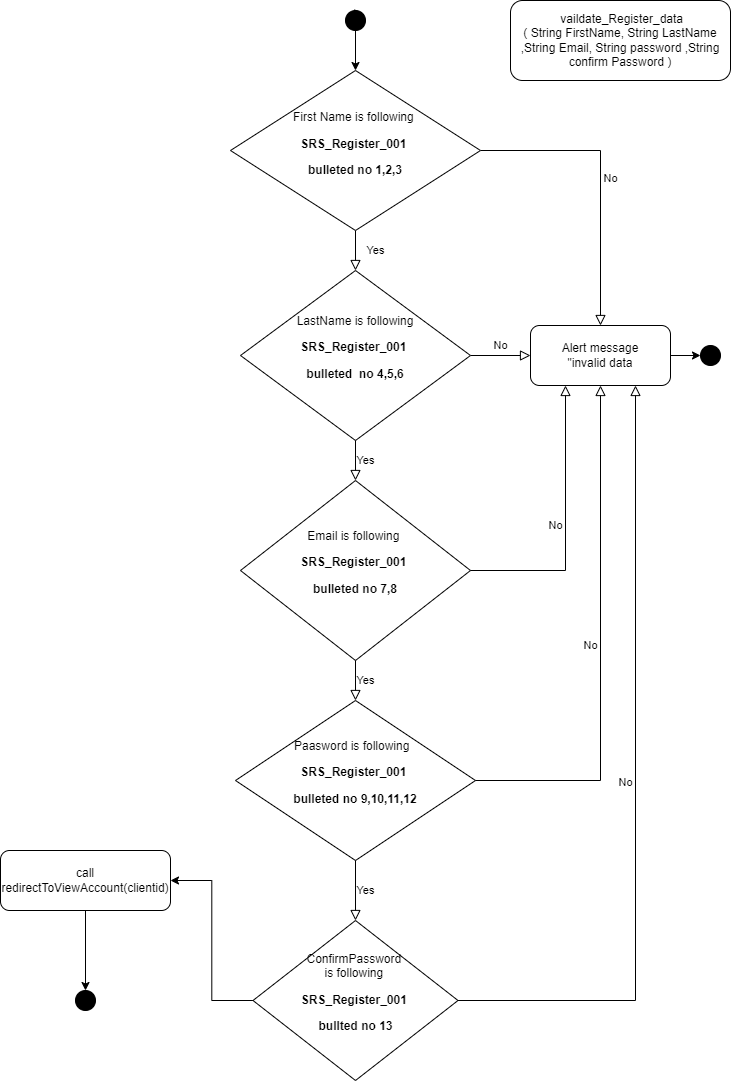
3.2.2 High Level

High\_level\_reg\_1

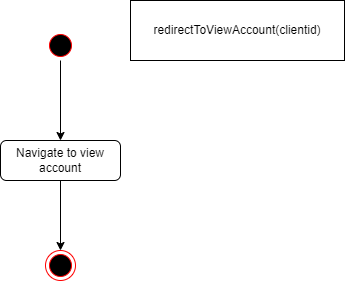


3.2.3 Low Level

Low\_Design\_reg\_1



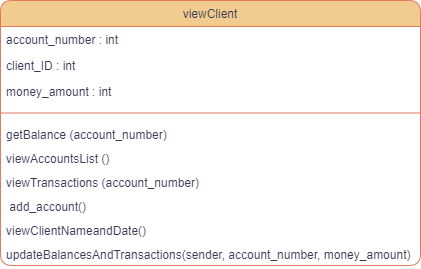
Low\_Design\_reg\_2



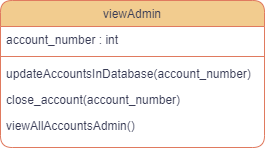
3.3 View Account

3.3.1 Class Diagram

classDiagram\_viewAccount\_Client\_001

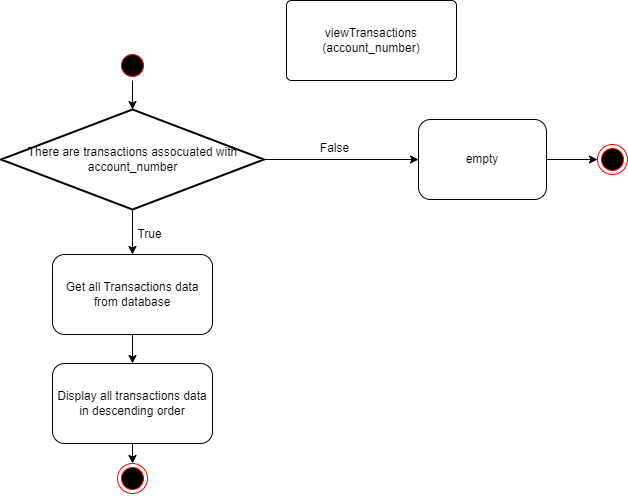


classDiagram\_viewAccount\_Admin\_001

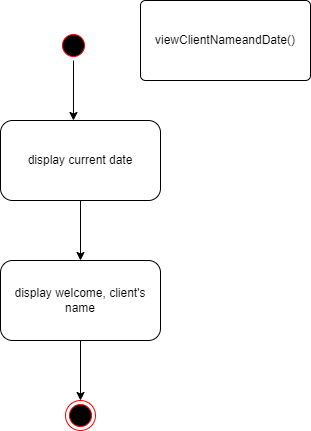


3.3.3 Low Level

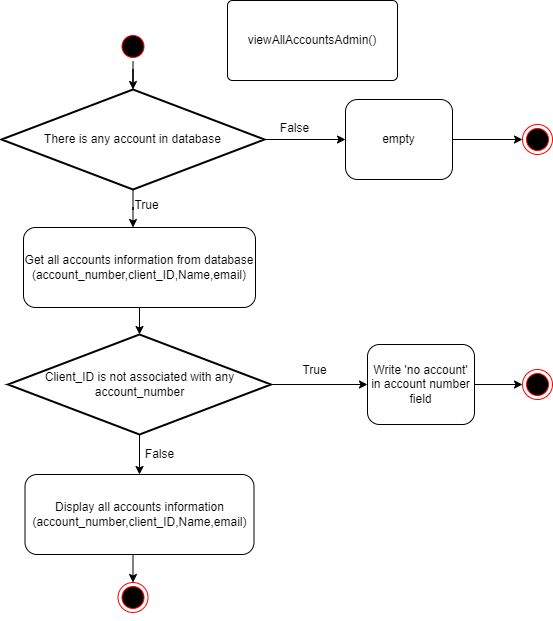
Low\_Design\_ViewTransaction\_1

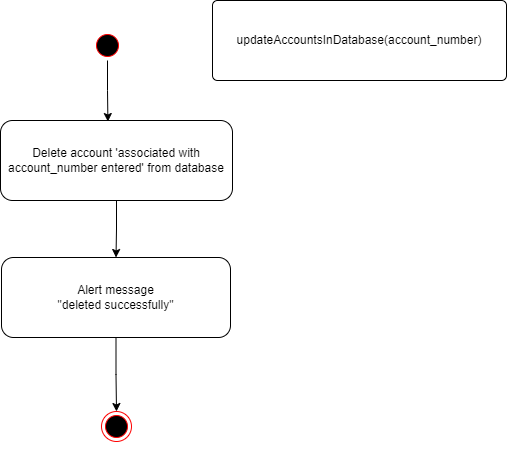


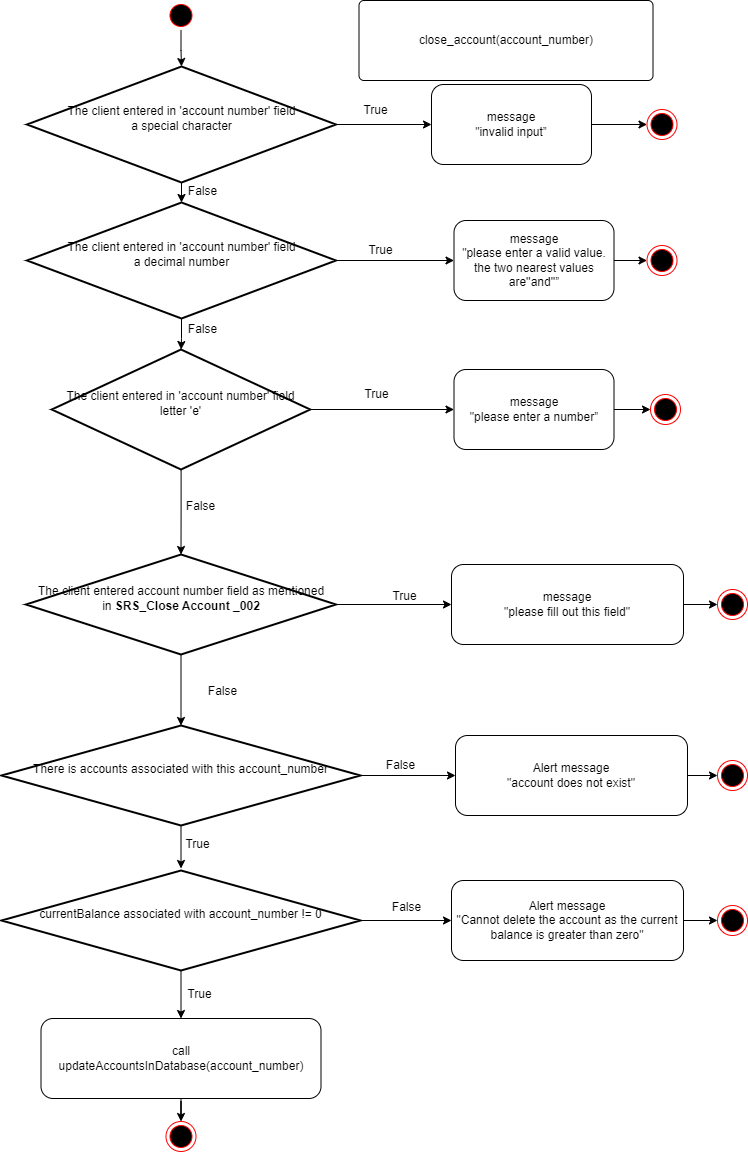
Low\_Design\_Display\_ClientName\_Date\_1

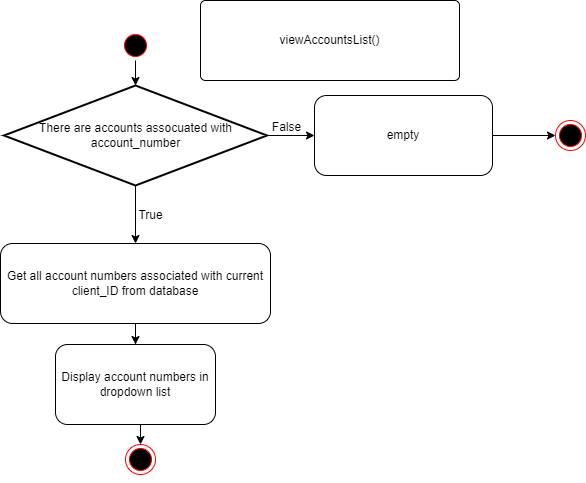


Low\_Design\_ViewAllAccounts\_Admin\_1

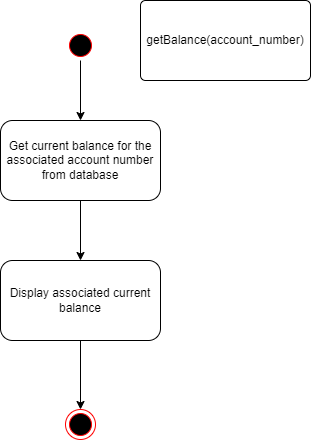


Low\_Design\_closeAccount\_Admin\_1

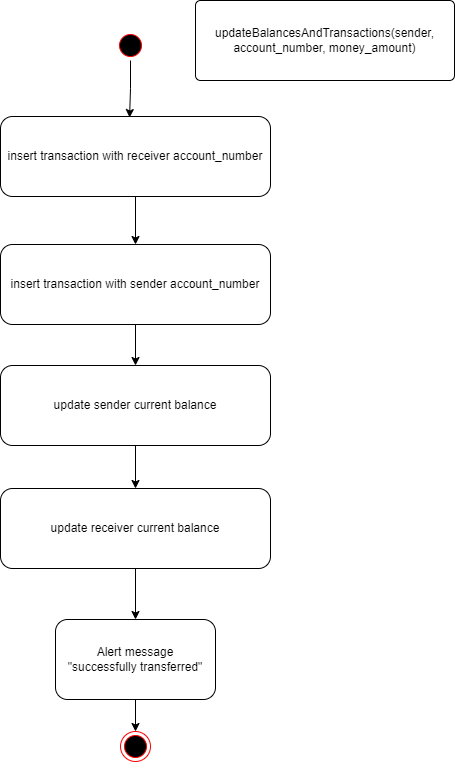
Low\_Design\_closeAccount\_Admin\_2

Low\_Design\_ViewAccountsList\_Client\_1

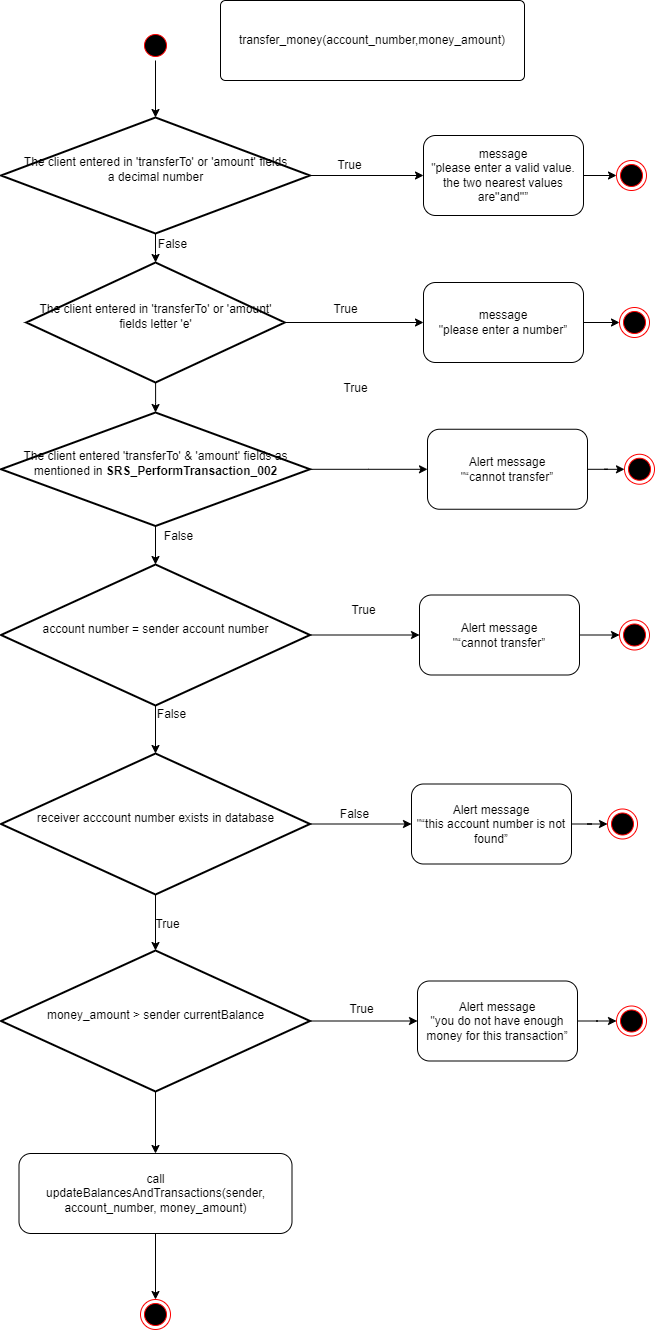
Low\_Design\_getBalance\_Client\_1



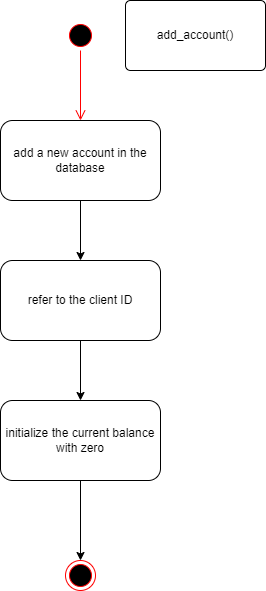
Low\_Design\_transferMoney\_Client\_1



Low\_Design\_transferMoney\_Client\_2



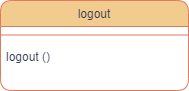
Low\_Design\_addAccount\_client\_1



3.4 Logout

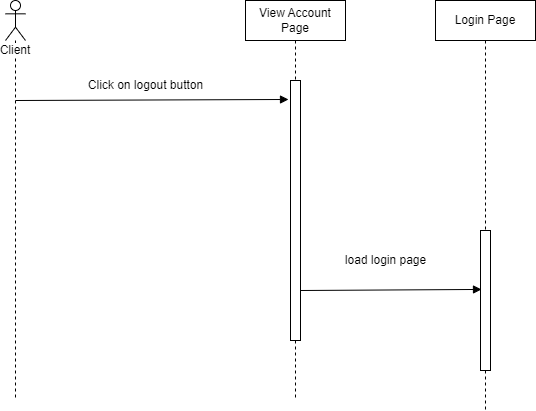
3.4.1 Class Diagram

classDiagram\_logout\_1



3.4.2 High Level

High\_level\_Logout\_client\_1



High\_level\_Logout\_admin\_1

