

## **Contents**

### High level architecture

Software Architecture

Entity Relationship Diagram

Use Case Diagram

### Architecture Views

#### Logical View

State Diagram: Verification status

#### Development View

Component Diagram

#### Process View

Activity Diagram: Log in

Activity Diagram: Admin Registration

Activity Diagram: Client Registration

Activity Diagram: Client - Add account

Activity Diagram: Client - Make payment

Activity Diagram: Client - Make transfer

Activity Diagram: Admin - View verification list

Activity Diagram: Admin - View client details

Sequence Diagram: Log in

#### Physical View

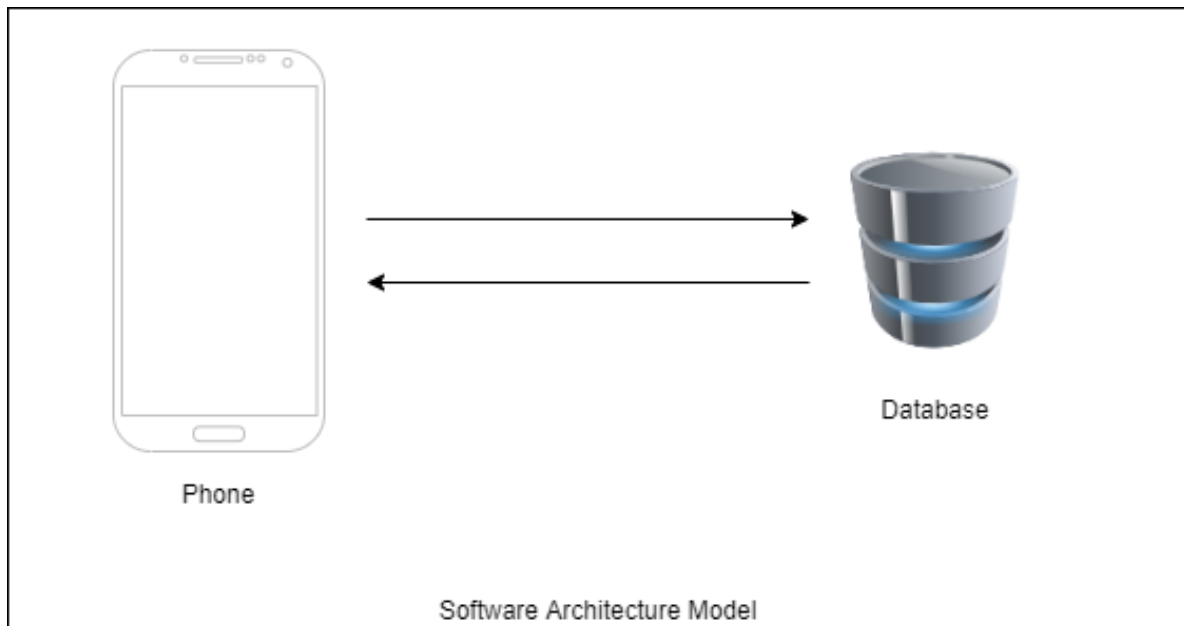
Deployment Diagram

# High level architecture

## Software Architecture

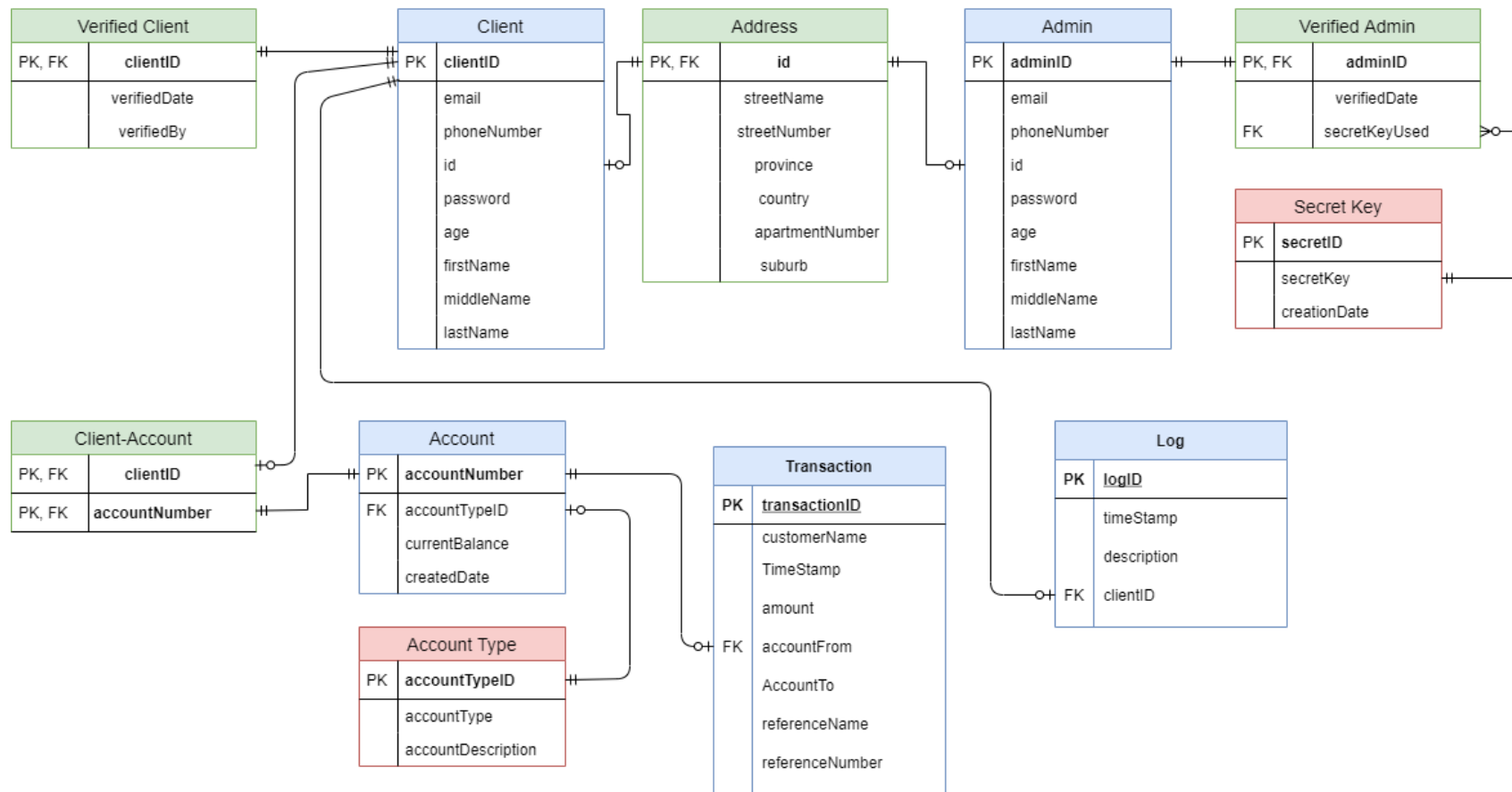
The following are the platforms involved in our software development process:

- Flutter and Dart
- MySQL
- Biz.nf

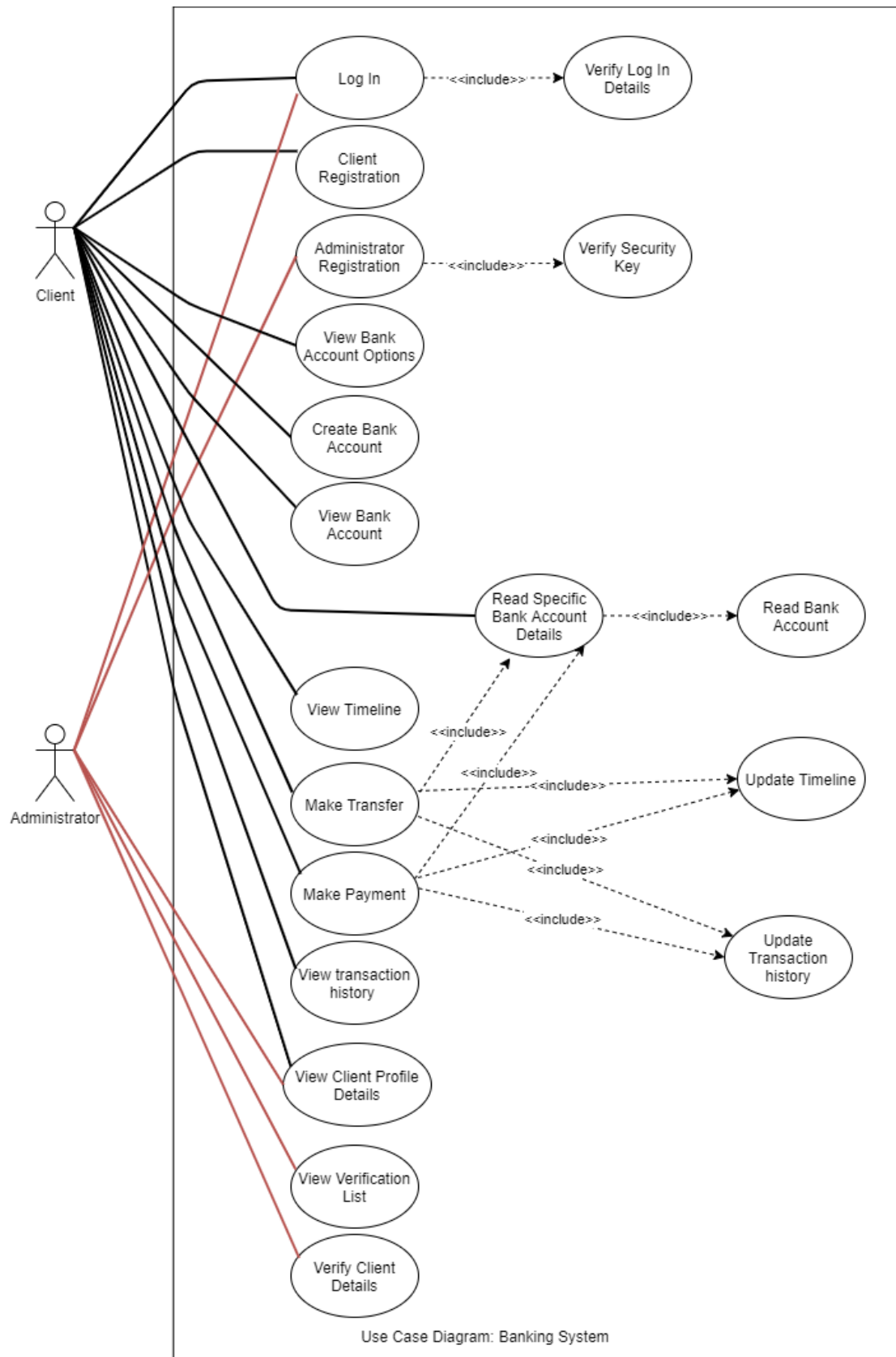


# Entity Relationship Diagram

Anything that has, word + ID at the end would be auto increment integer field, Can't use id number as login for client or admin as we wouldn't know if the user wants his admin account or client account (assuming he has both)



# Use Case Diagram

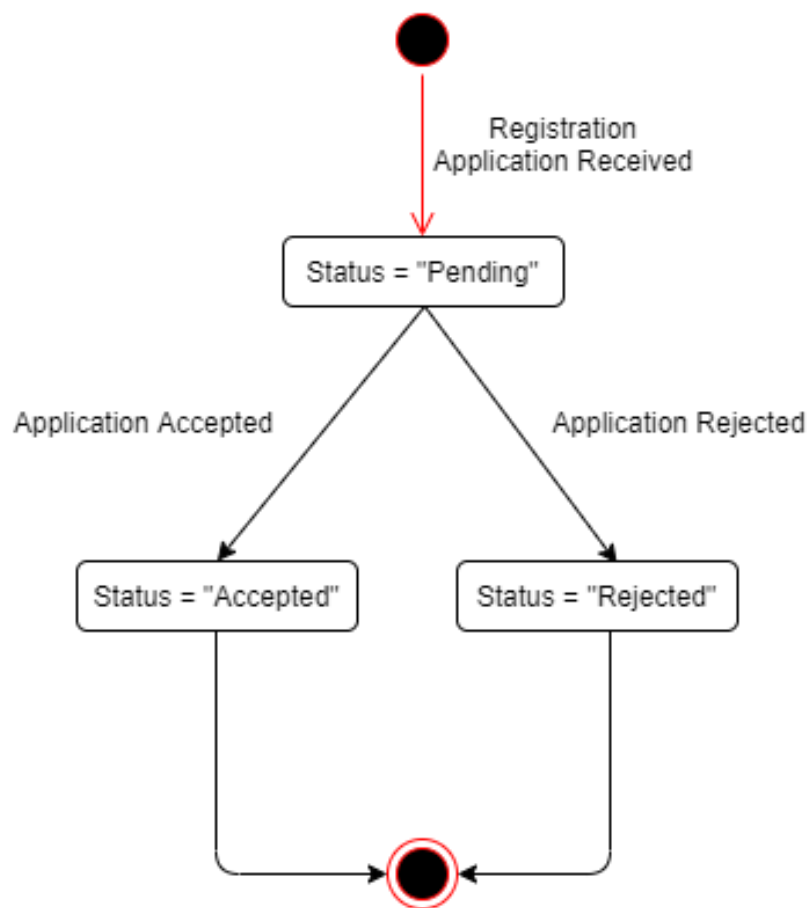


# Architecture Views

## Logical View

### State Diagram: Verification status

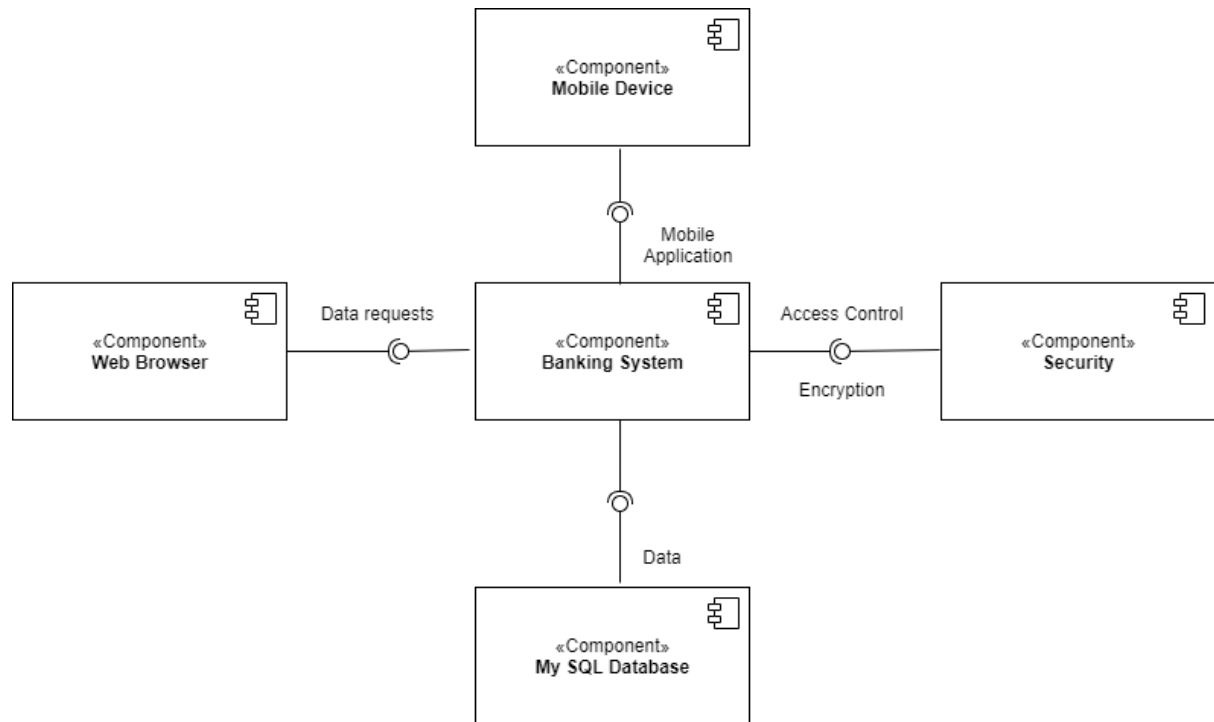
This diagram shows the change in the behaviour of the verification status of the client and the processes that would lead to a change in status. This is the only attribute that changes state in our system, hence this is the only state machine diagram.



State Machine Diagram: Verification Status

# Development View

## Component Diagram



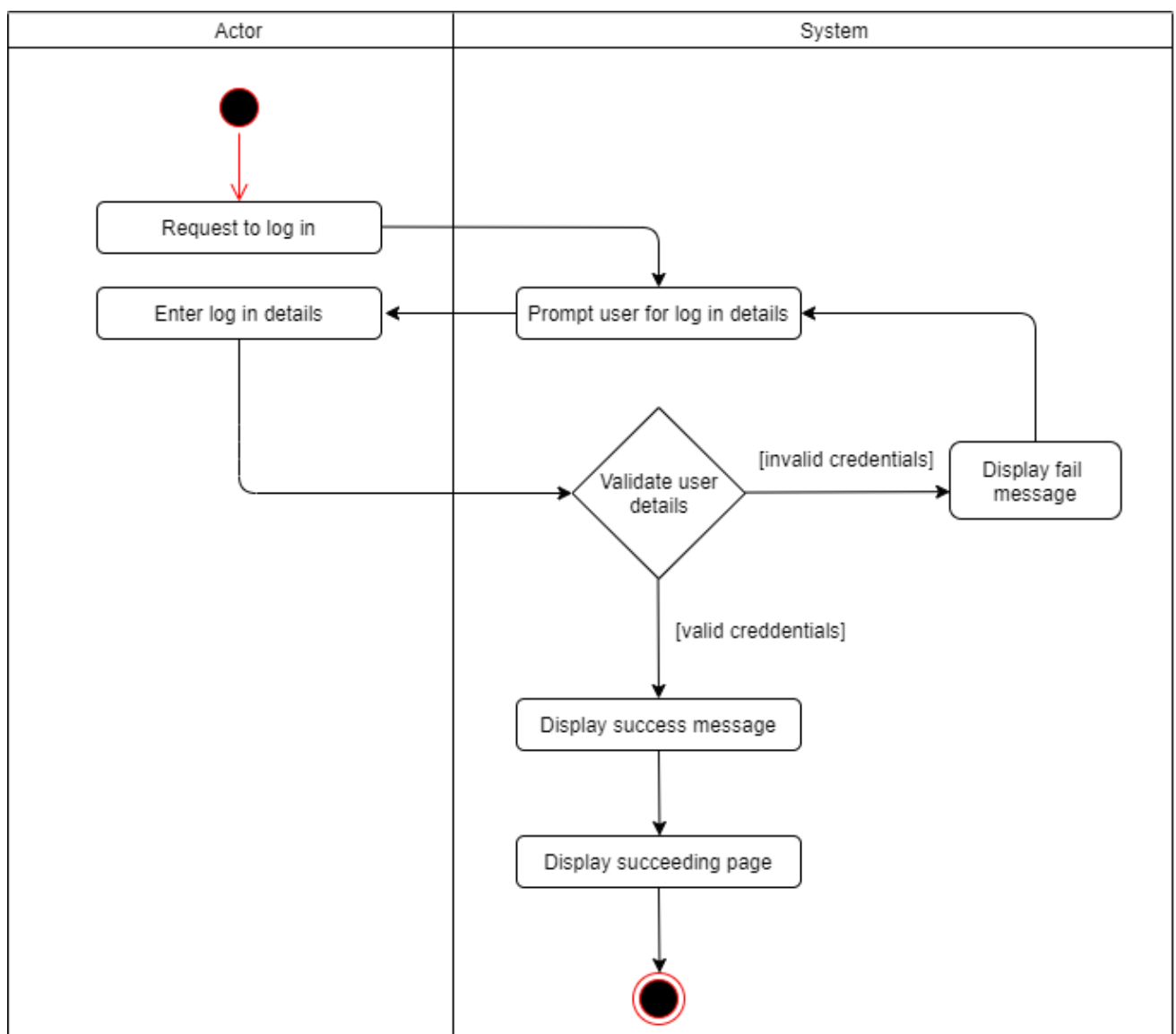
Development View Component Diagram

## Process View

Activity diagrams are a visual representation of a series of actions or flow of control.

### Activity Diagram: Log in

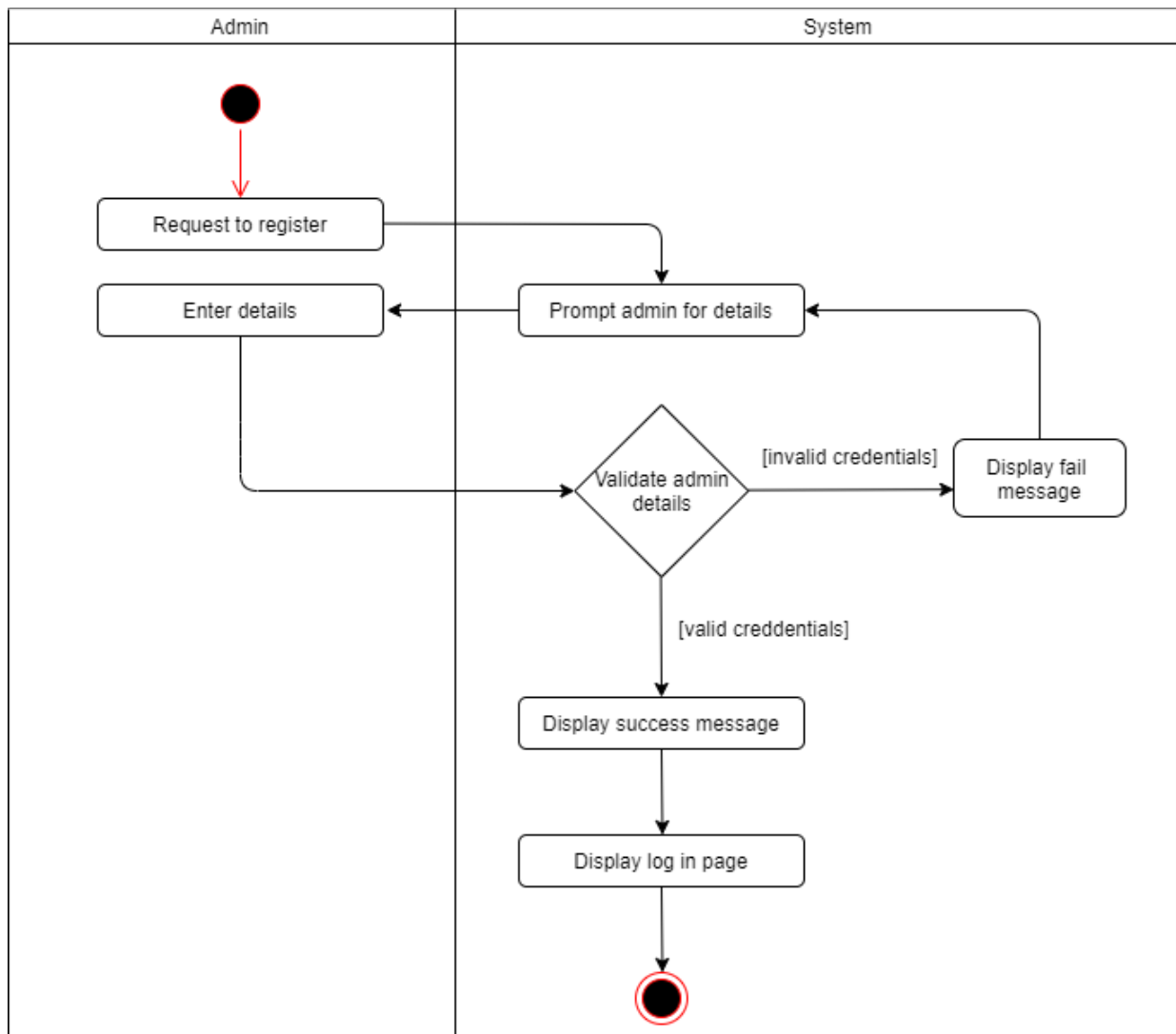
This diagram shows the login process of a user.



Activity Diagram: Log in

## Activity Diagram: Admin Registration

This diagram shows the registration process of an admin.

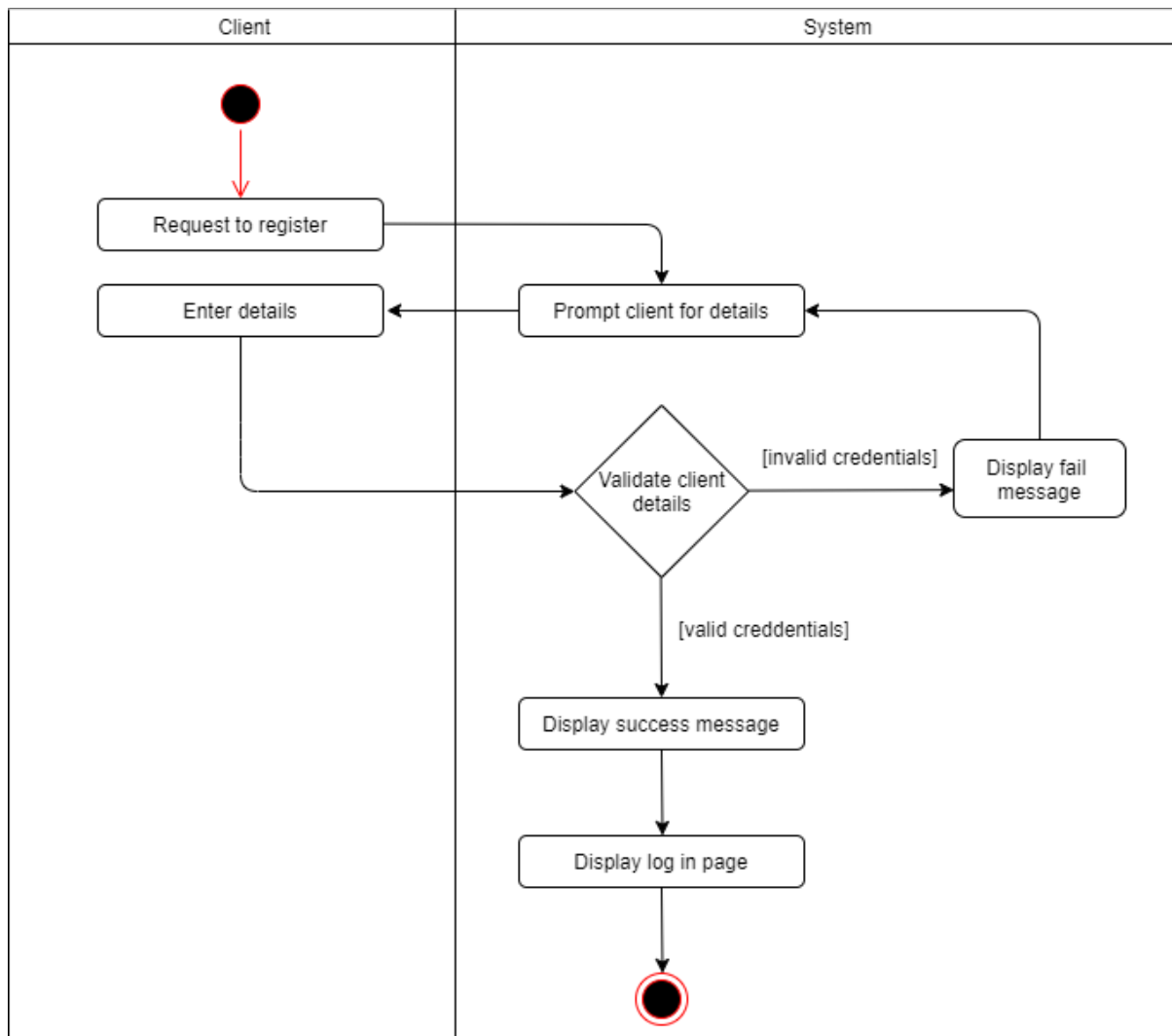


Activity Diagram: Registration(Admin)



## Activity Diagram: Client Registration

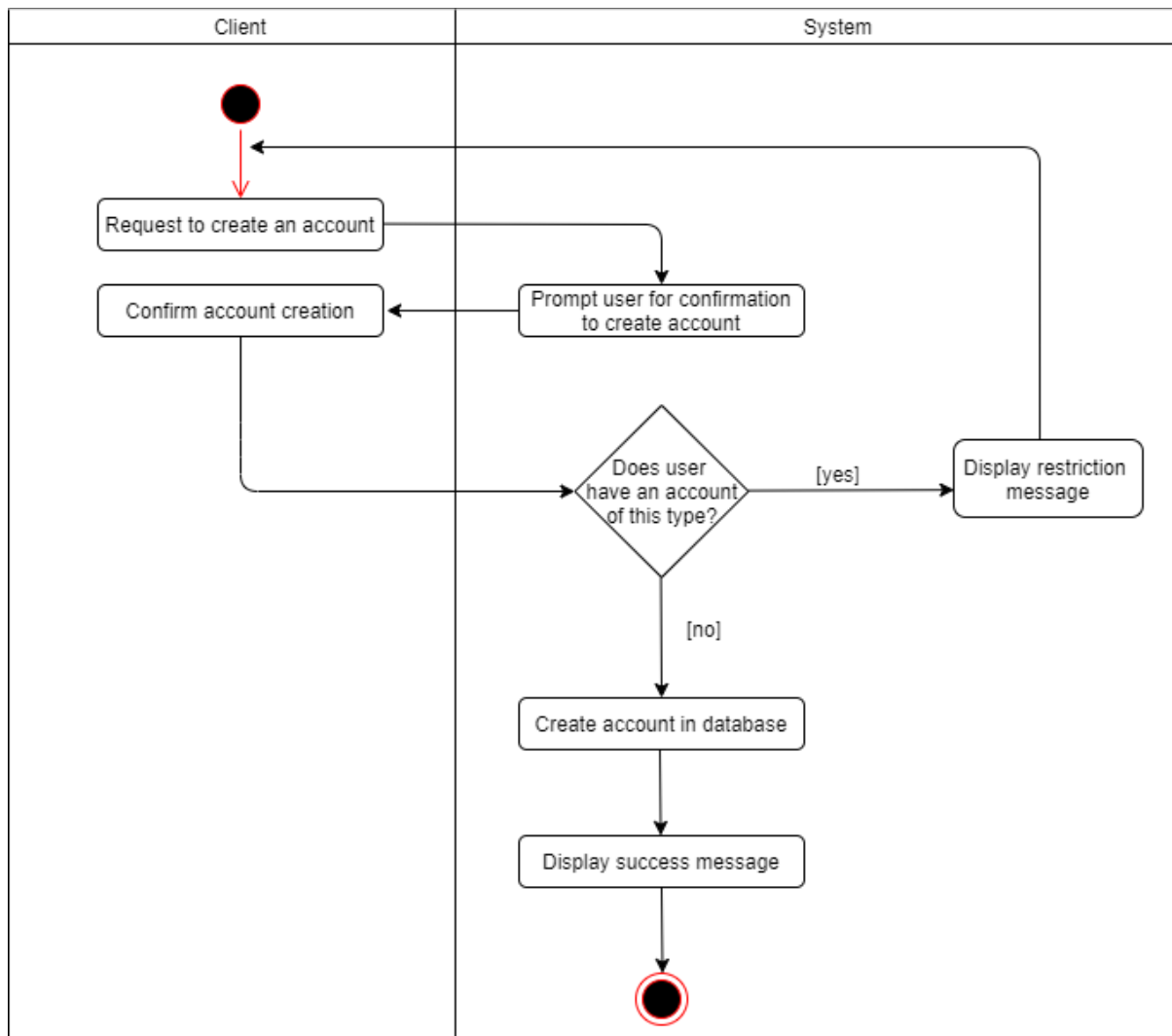
This diagram shows the registration process of a client.



Activity Diagram: Registration(Client)

## Activity Diagram: Client - Add account

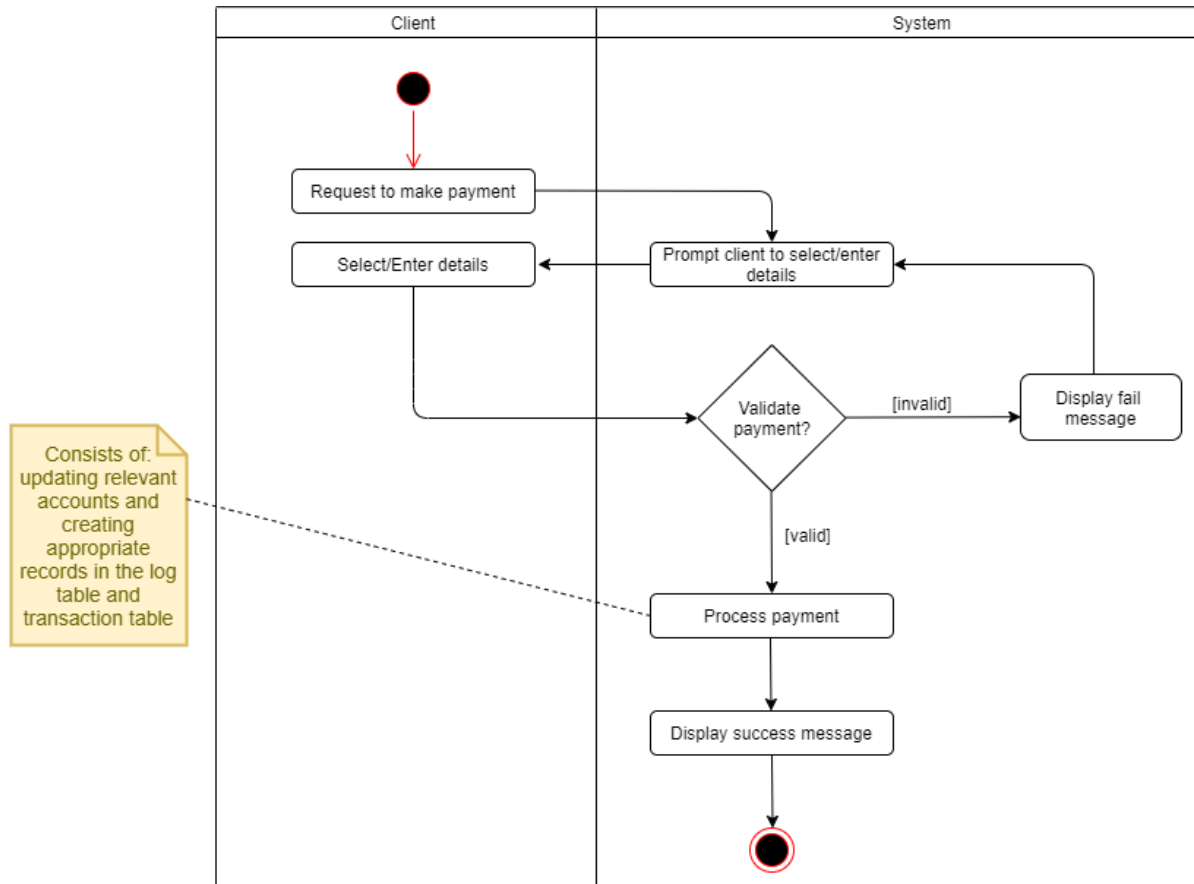
This diagram shows the process taken when a client is creating an account.



Activity Diagram: Add account(Client)

## Activity Diagram: Client - Make payment

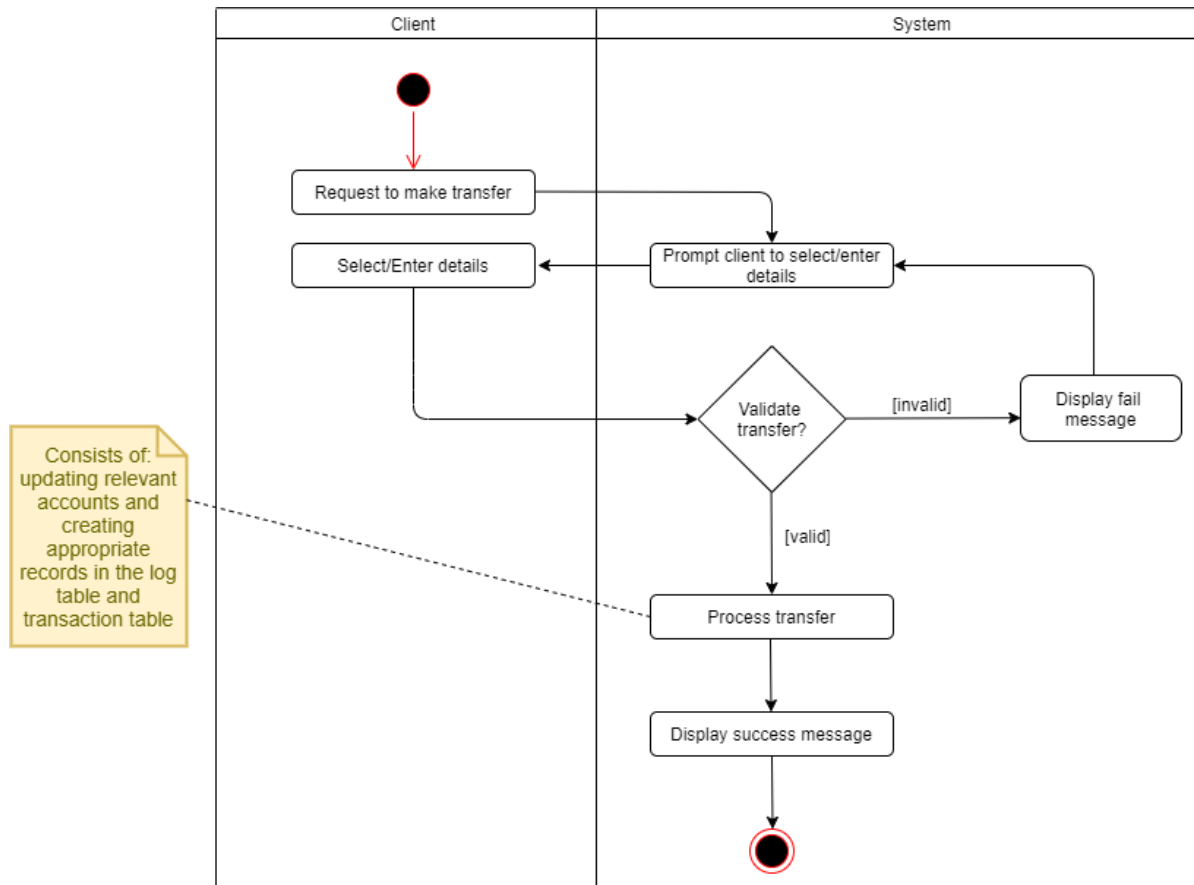
This diagram shows the process that is taken when a client is making a payment.



Activity Diagram: Make payment(Client)

## Activity Diagram: Client - Make transfer

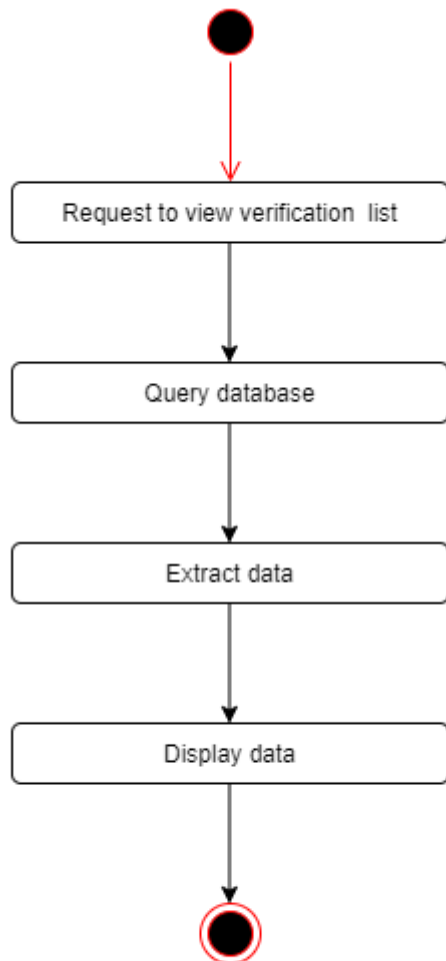
This diagram shows the process that is taken when a client is making a transfer.



Activity Diagram: Make transfer(Client)

### **Activity Diagram: Admin - View verification list**

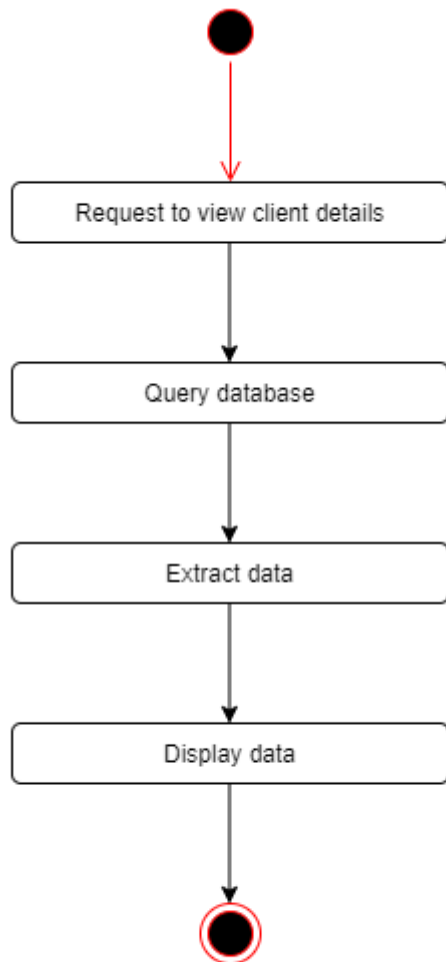
This diagram shows the process of an admin viewing the verification list.



Activity Diagram: View verification list (Admin)

### **Activity Diagram: Admin - View client details**

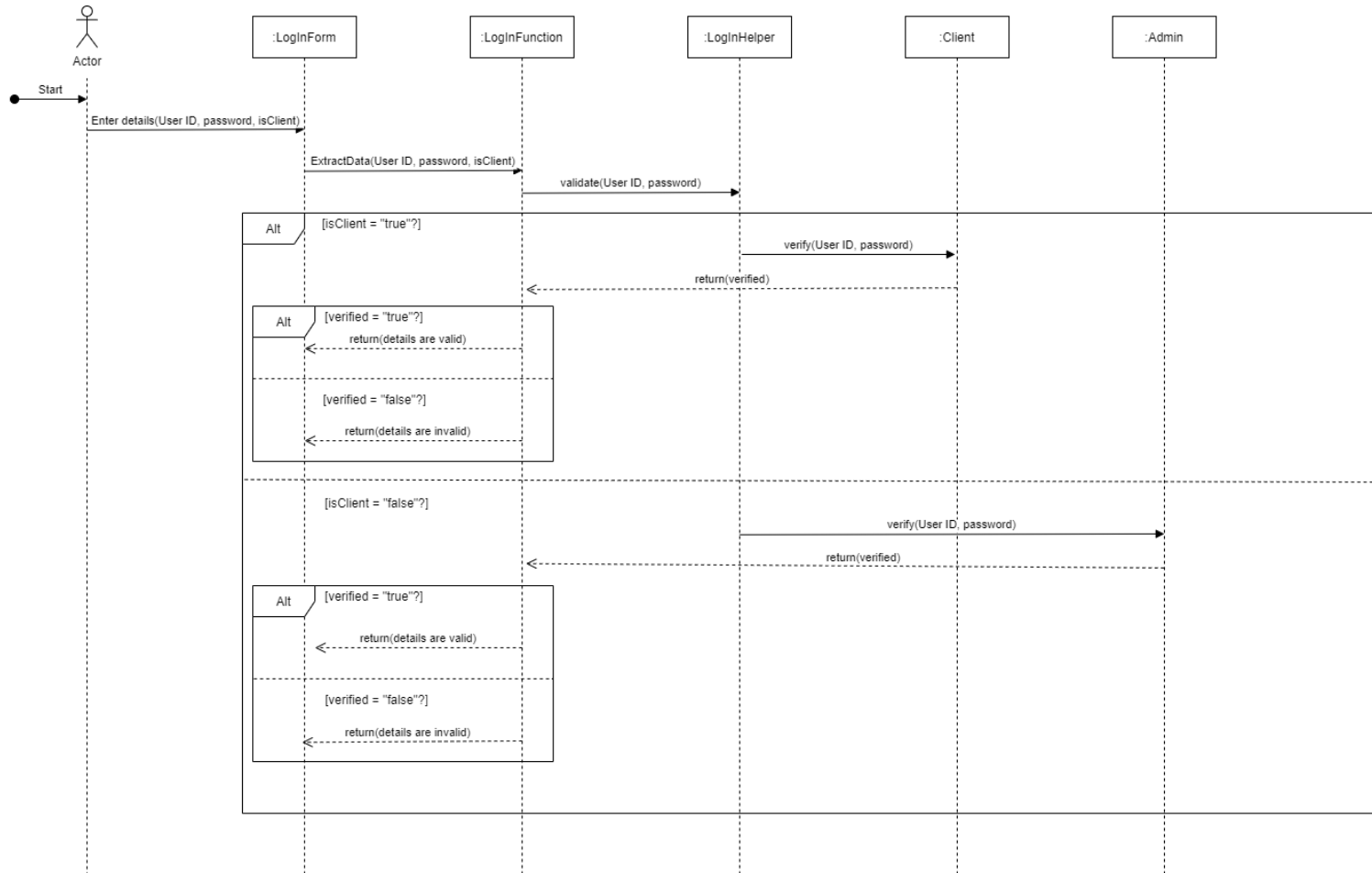
This diagram shows the process of an admin requesting to view a client's details.



Activity Diagram: View client details (Admin)

## Sequence Diagram: Log in

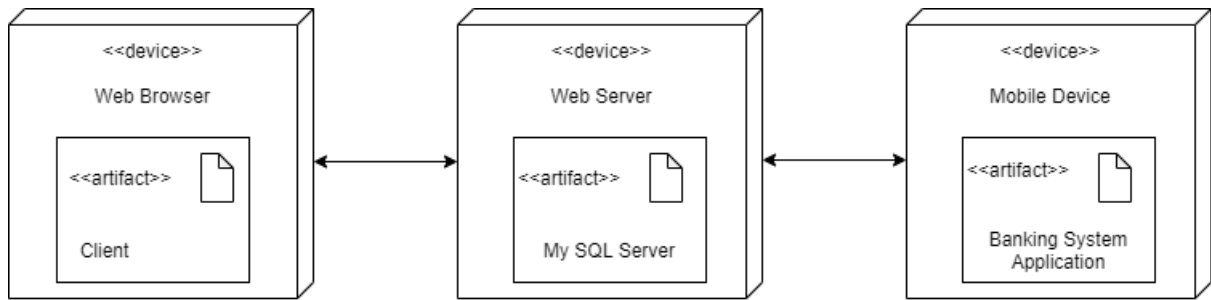
This diagram shows the login process of a user.



Sequence Diagram: Log in

# Physical View

## Deployment Diagram



Physical View: Deployment Diagram