



TRADING SOFTWARE

CSE300 : Software Engineering

Group : 2

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Our project is divided into 2 phases:

- **Login/Sign-up System**
- **Order Placing and Execution System**

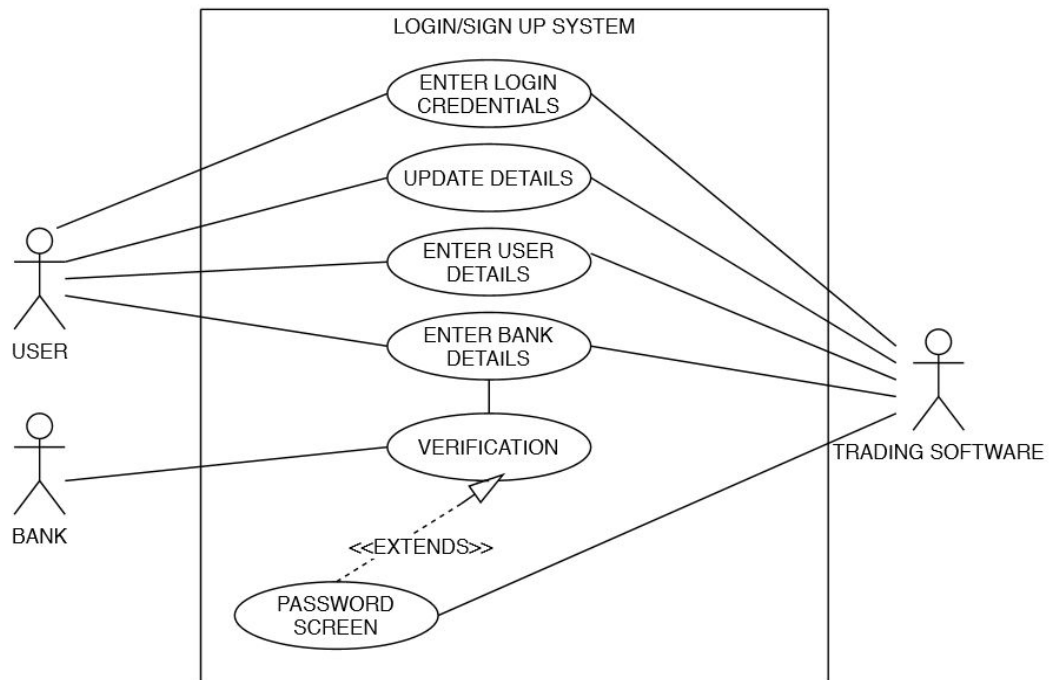
Diagrams:

1) Use-Case Diagram

- **Phase 1: Login/Sign-up System**

Description: User can enter user details, bank details. The software provides client_id and password screen. The user provides details for KYC verification and software to verify it. Users can also update existing information. It provides the functionality of verifying Demat accounts. Bank has bank details.

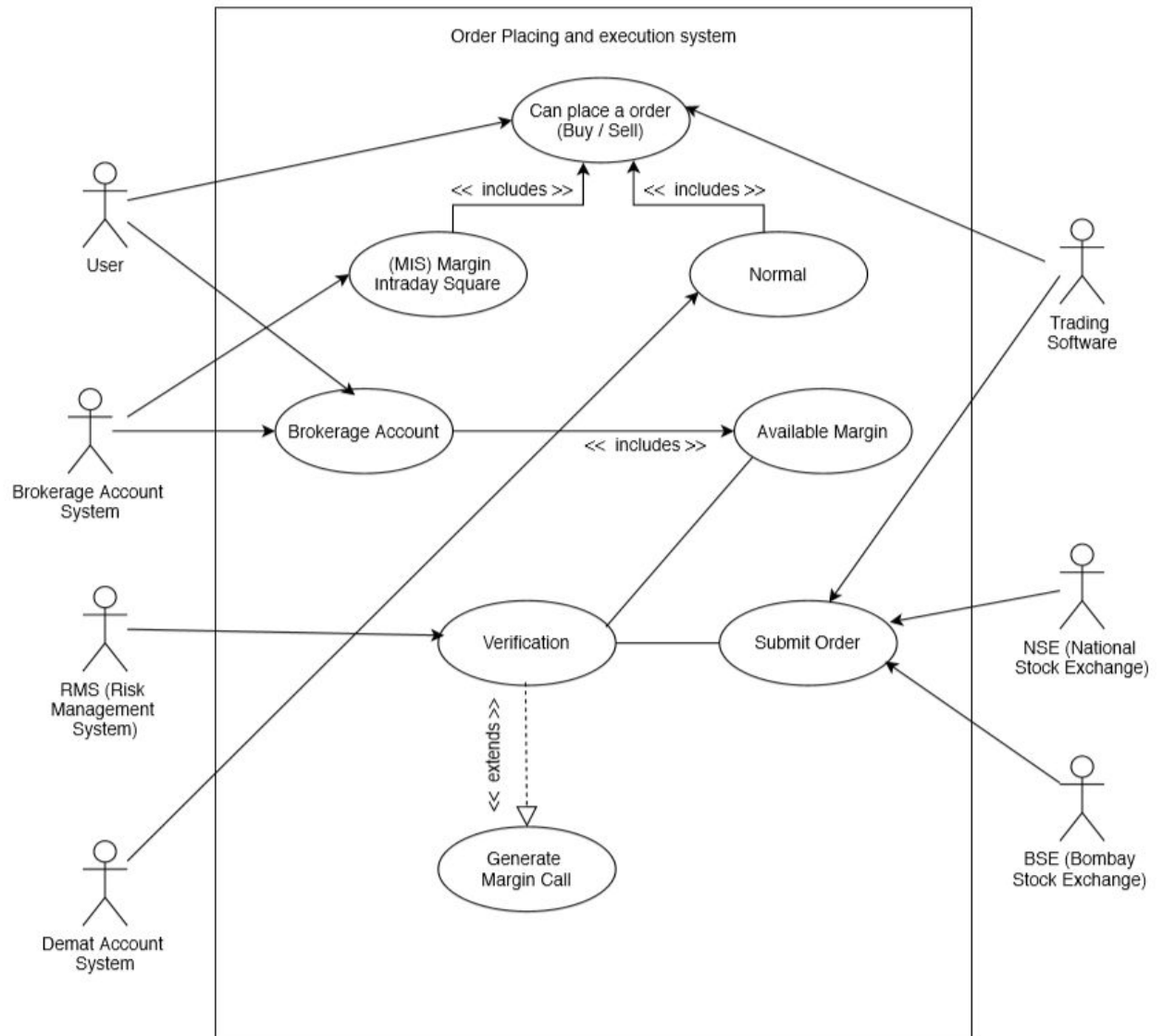
Phase 1: Login/Sign-up System



- **Phase 2:** Order Placing and Execution System

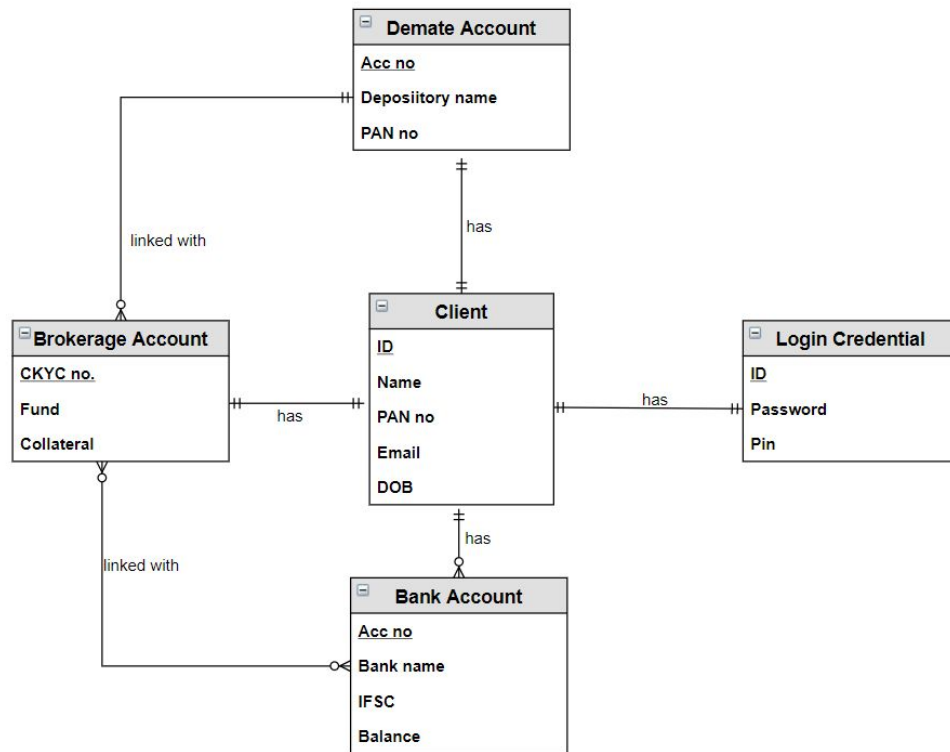
Description: One user can place many orders. Order can be placed for either buy or sell listed security. Order can be placed at market price or a limit price. User can place either normal or MIS order. The client can cancel the order before it executes. Each order must contain the ticker name and ticker quantity. The client must have corresponding stocks in his/her Demat account ready for delivery to SELL normal order. MIS order required 40% of Normal margin. The Clients must have to pay upfront margin for BUY MIS order irrespective of order type and the product. Order once executed, then clients are obligated to fulfill the MTM margin requirement.

Phase-2 : Order Placing and execution

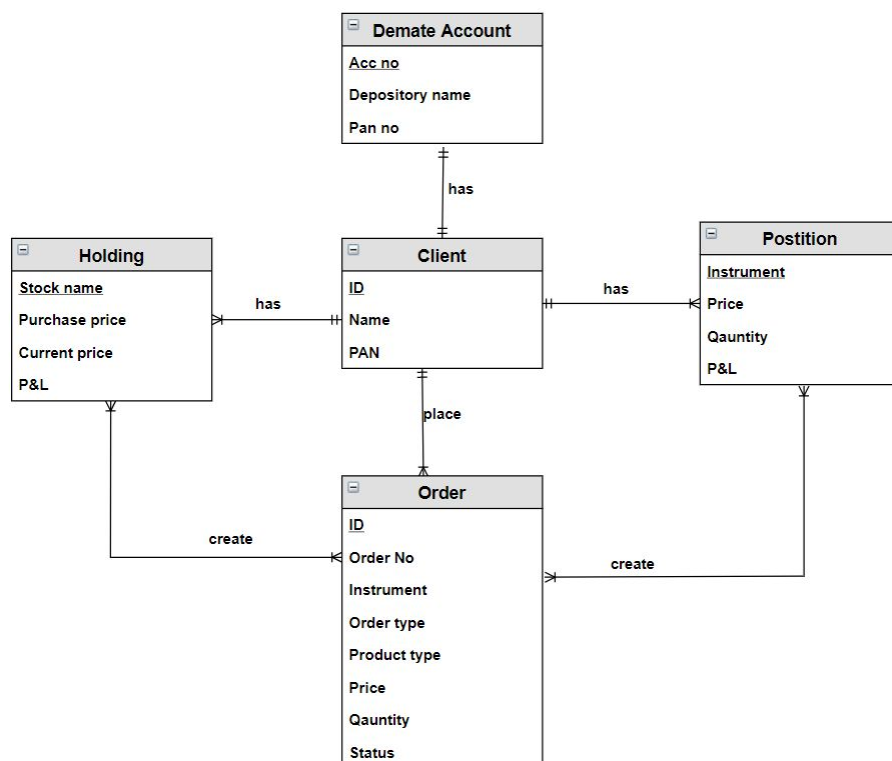


2) ER Diagram:

Phase 1: Login/Sign-up system

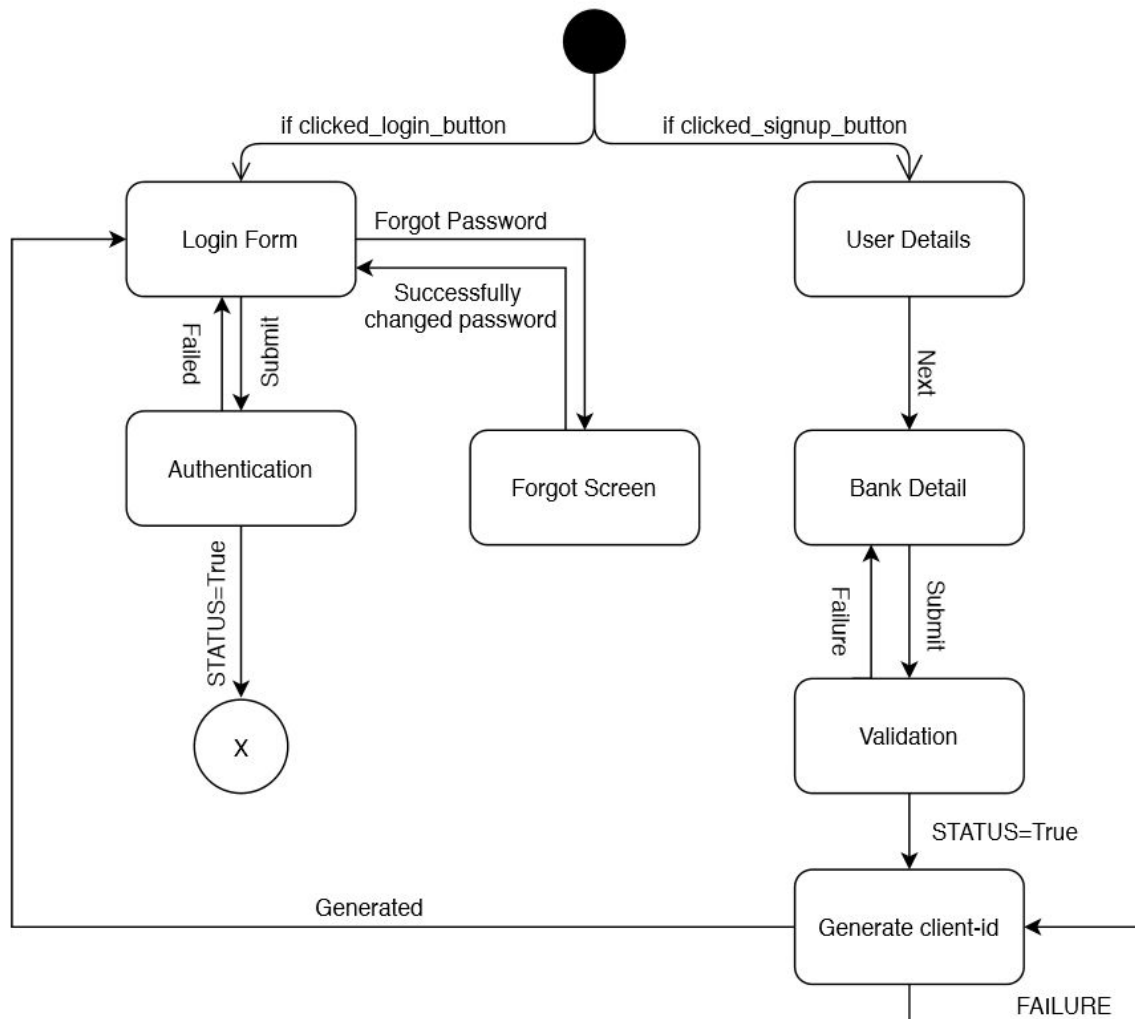


Phase 2: Order Placing and Execution

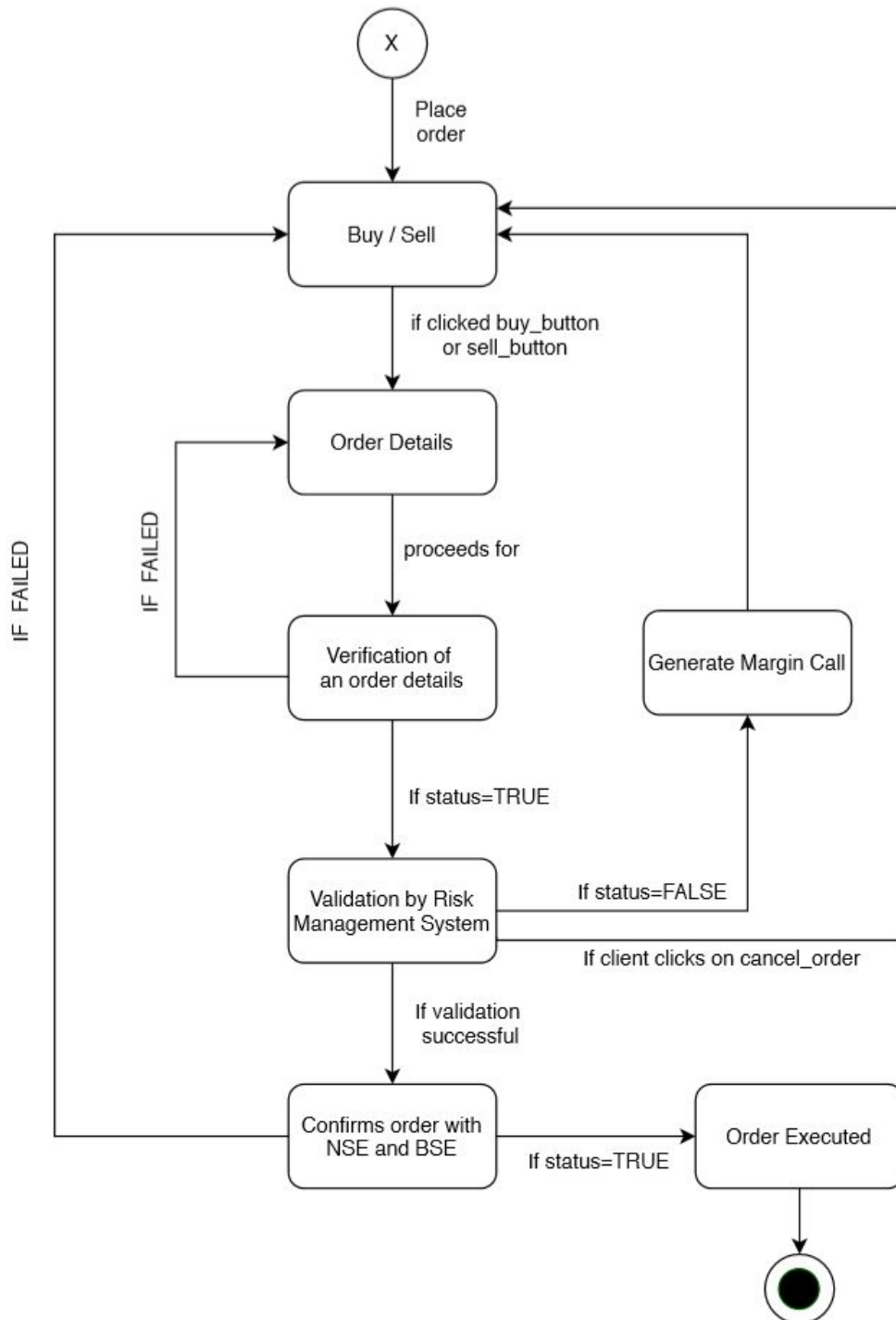


3) State Diagram:

Phase-1 : LOGIN SYSTEM



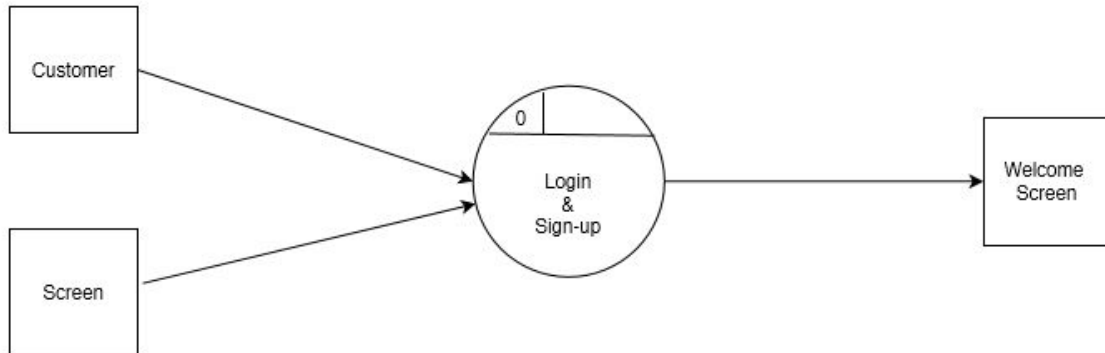
Phase-2 : Order Placing and execution



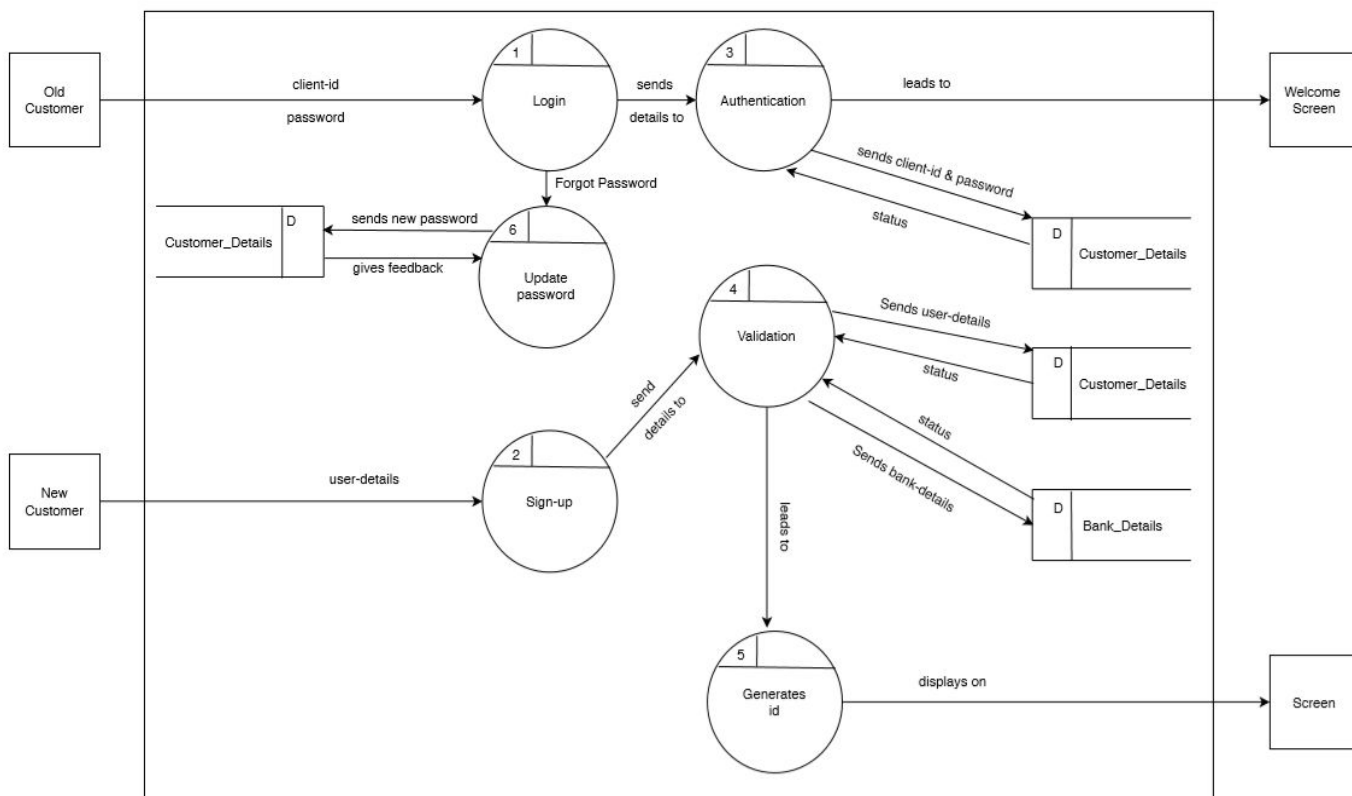
4) Data Flow Diagram (DFD)

Phase 1: Login/Sign-up System

LEVEL 0

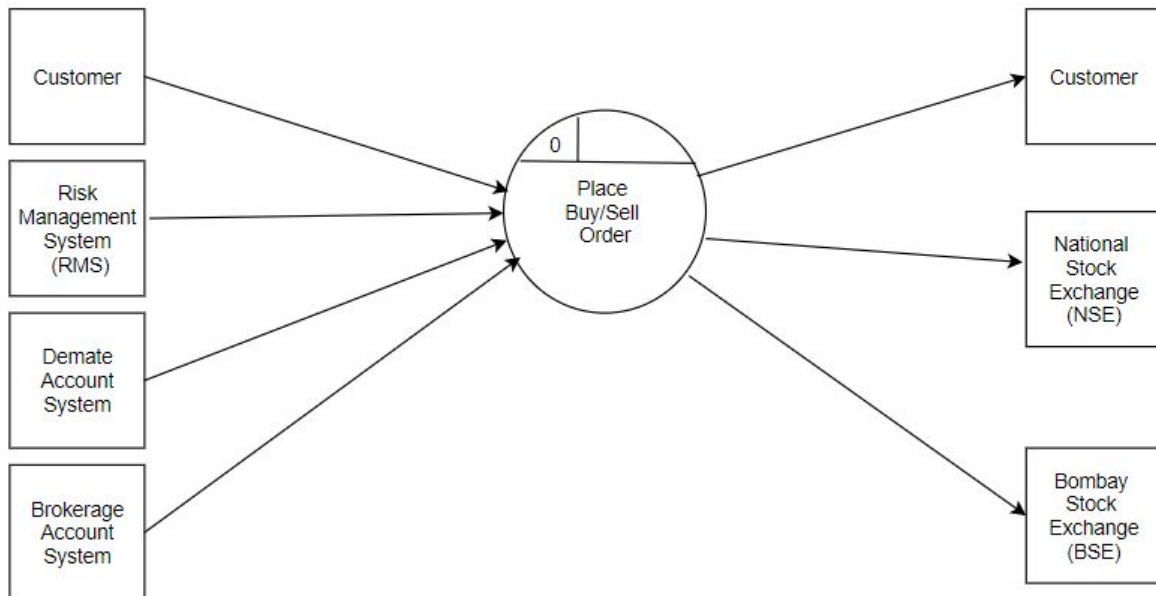


LEVEL 1

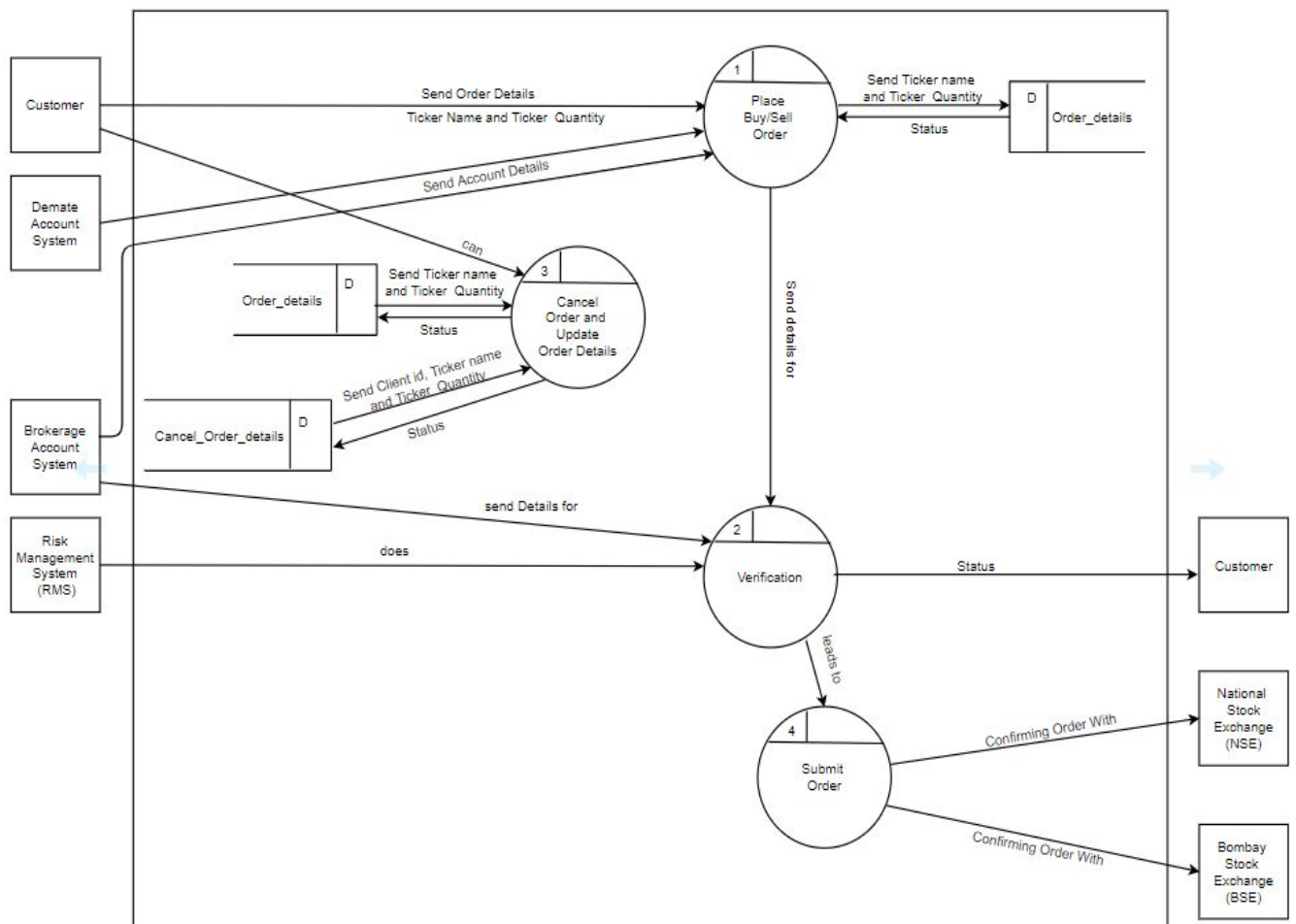


Phase 2: Order Placing and Execution

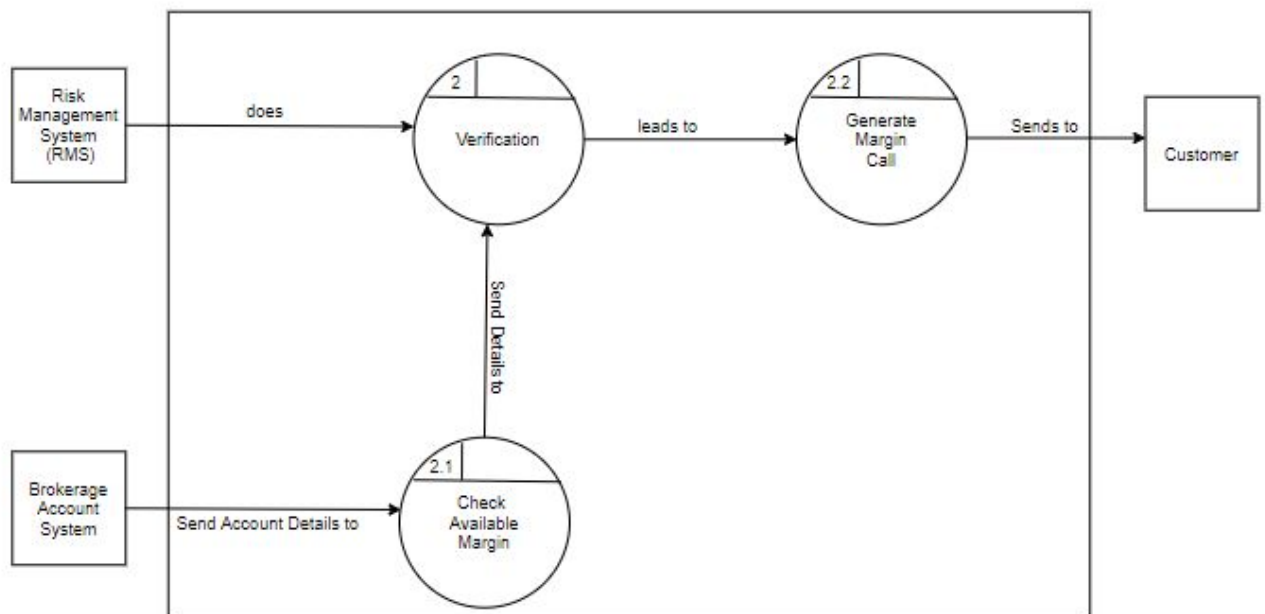
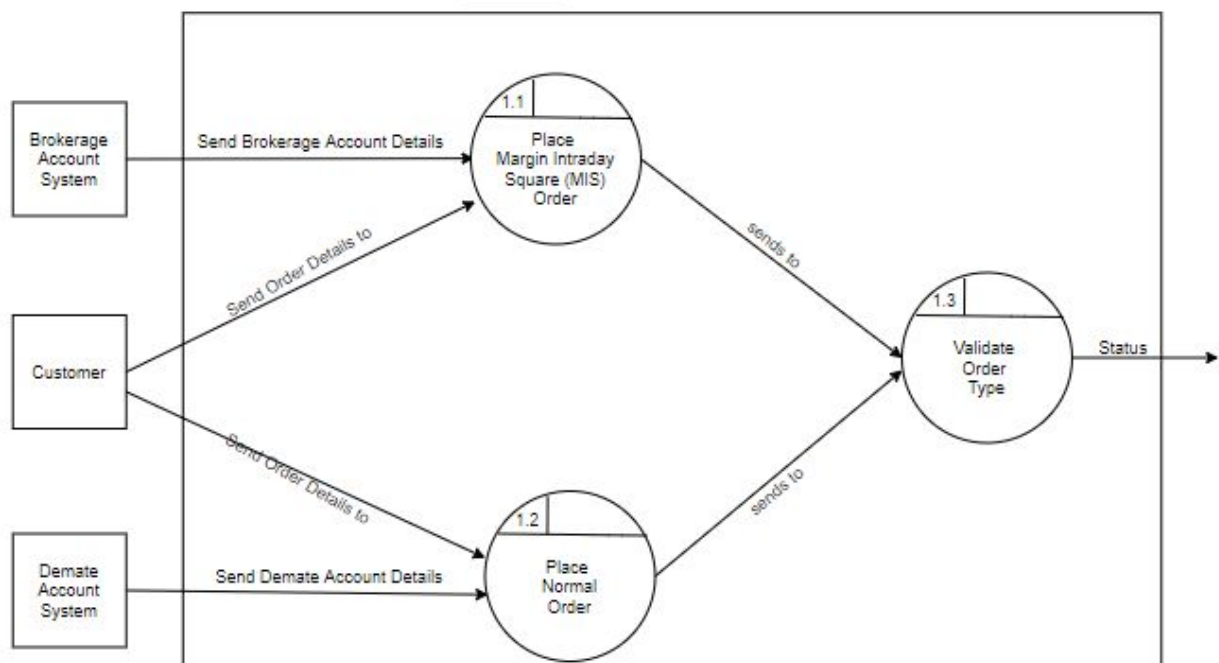
LEVEL 0



Level-1

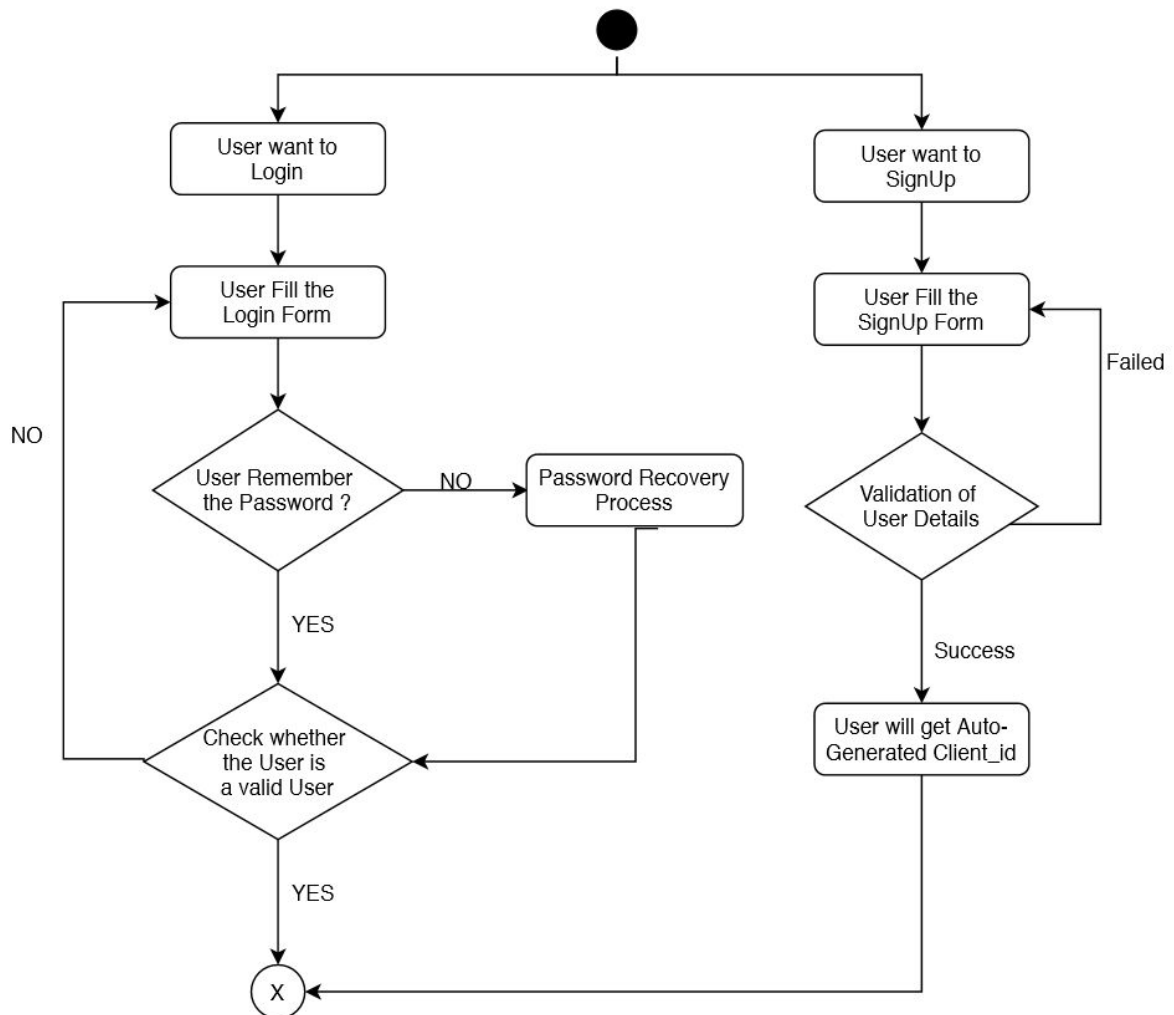


Level-2



5) Activity Diagram

Phase 1: Login System



Phase 2: Order Placing and execution

