Bank Management System

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Supervisor

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- **Bank Management System - User Roles and Permissions :**
  1. **Customer** :
     - The customer can perform the following operations :
       - **Deposit funds**: Add money to their bank account.
       - **Withdraw funds**: Remove money from their bank account.
       - **View transaction log**: Access a record of their past transactions, including deposits and withdrawals.
  2. **Teller** :
     - The teller has all the permissions of a customer, plus additional capabilities:
       - **Add a customer**: Register a new customer in the system.
       - **Close a customer account**: Terminate a customer's account.
       - **View all customers**: Display the list of all registered customers.
       - **Edit customer information**: Modify details related to customers.
       - **Manage customer loans**: Add loan details to a customer's account.
       - **Edit teller information**: Make changes to the details of fellow tellers.
  3. **Manager** (Teller) :
     - The manager has all the permissions of a teller, with added management functions:
       - **Edit teller details**: Modify the information of any teller.
       - **Add a teller**: Register a new teller in the system.
       - **Deposit/withdraw in teller accounts**: Perform transactions on teller accounts.
       - **Full administrative access**: Can carry out all teller operations and manage tellers' data.

- **Bank Accounts default :**
  - Manager :
    - Name => Omar Ibrahim
    - Password => 6060
    - Account number => 1020
  - Tellers :
    1- Teller 1 :
      - Name => Mohammed
      - Password => mohammed_123
      - Account number => 1010

    2- Teller 2 :
      - Name => Ahmed
      - Password => ahmed_123
      - Account number => 1030
  - Customers :
    3- Customer 1 :
      - Name => Ahmed Ibrahim
      - Password => 14015016
      - Account number => 1219

    4- Customer 2 :
      - Name => Abdo Ibrahim
      - Password => 522522
      - Account number => 1211

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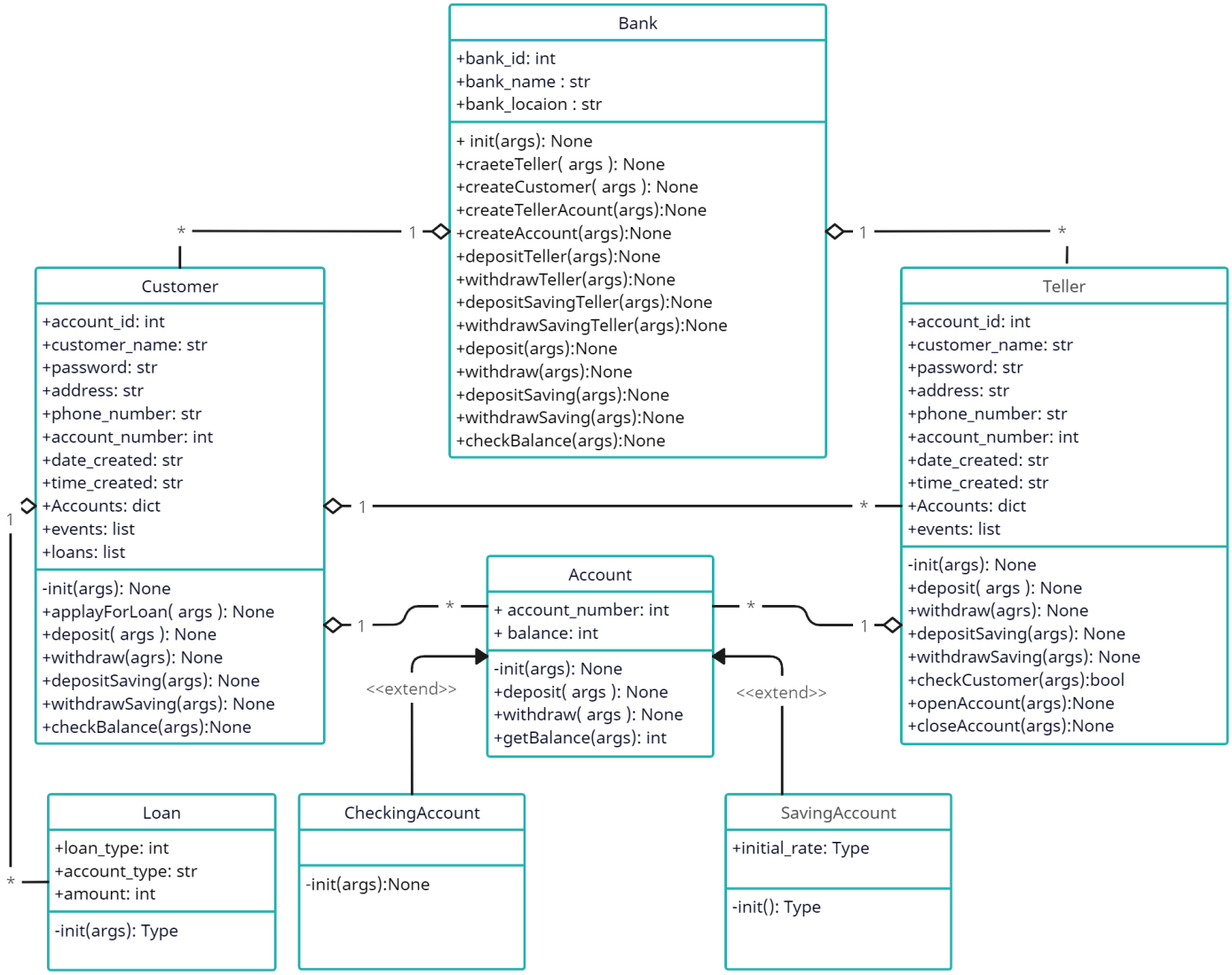
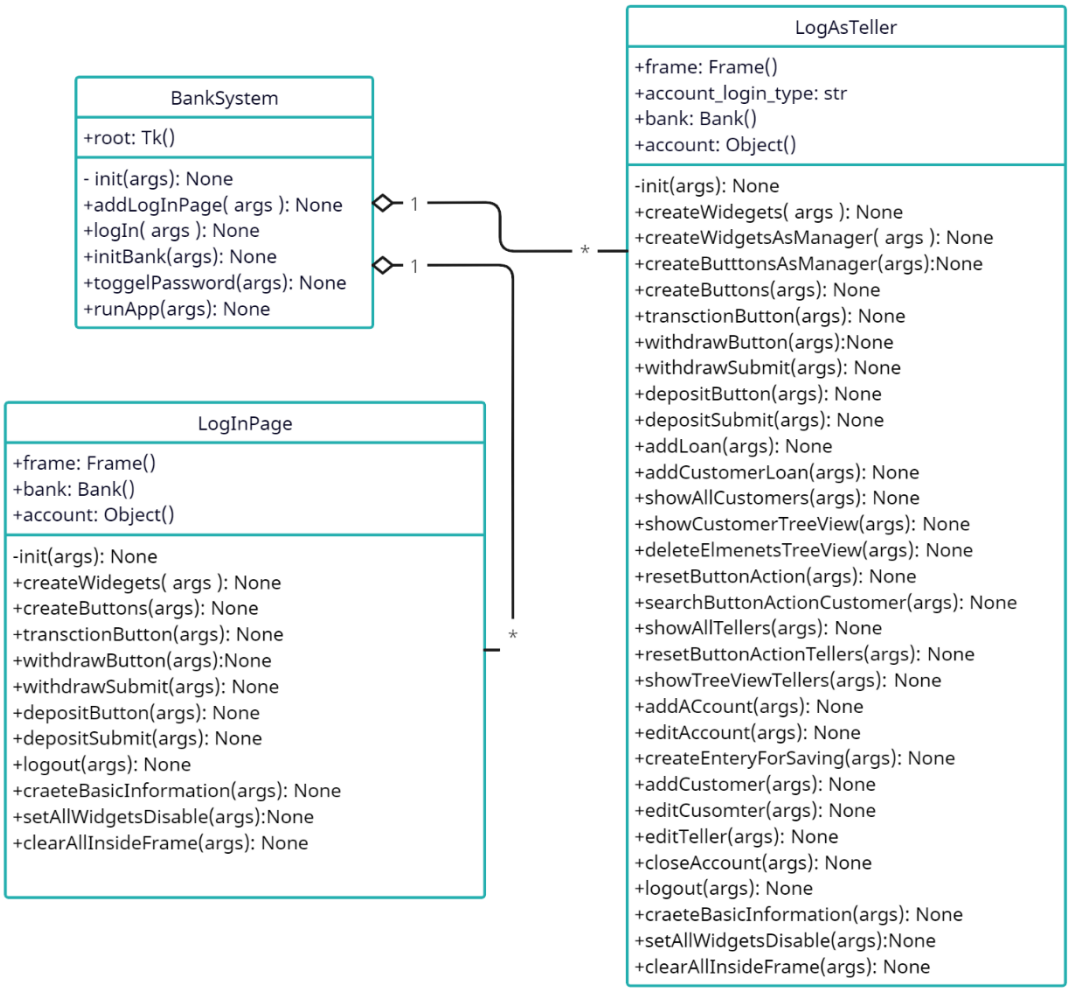
- **Bank OOP Diagram :**



Bank Management System

- **Gui Diagram :**