

# Group 6

Banking



# Top Requirements

- There are 3 types of users all with user authentication
- The 3 types are Customer, Teller, Banker, each will have different functions/purposes
- Bankers can create bank accounts for customers
- Tellers deposit or withdraw money from customer bank accounts
- Customers can create Customer Accounts and request to make a bank account
- There will be an ATM portion where customers can deposit or withdraw money from their bank accounts

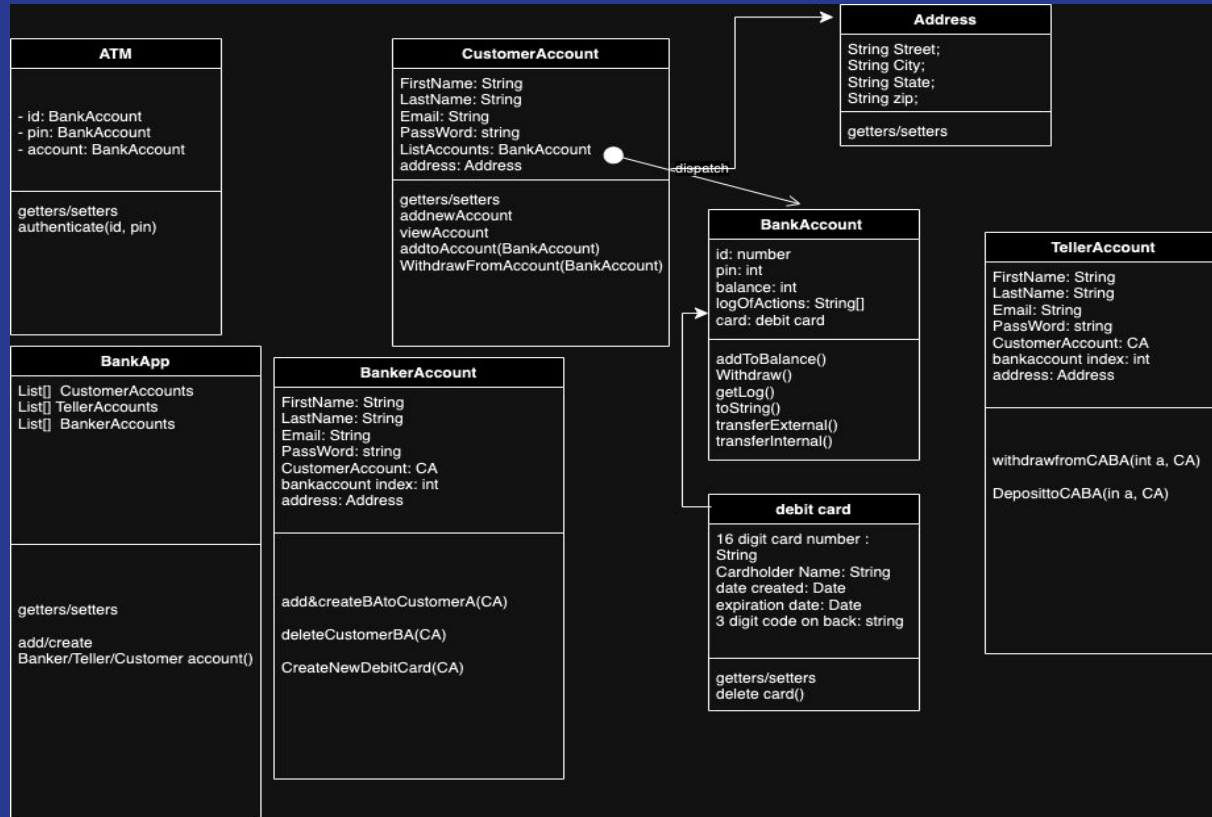
# More Requirements

- Customer can request to delete Bank accounts or cancel debit cards
- Banker can delete bank accounts for Customer or create new debit cards
- Withdrawing money has limits on it like you can not withdraw more than what is in the balance of the accounts
- There will be a log of all actions for each bank account.
- Customer can view their account and bank accounts when logged in
- There will be a GUI
- Must Use TCP/IP

# The system is organized into 3 parts

- First module is the user management module that allows us to create instances of different types of User Accounts. They also allow users to log in
- The 3 accounts we have are Customer, Teller, and Banker
- The second module is the functional module that allows different users with different functionality like teller can deposit money into Customers Bank accounts
- The Last Module is the ATM module that interacts with the customer user to deposit and withdraw money from their bank accounts

# Top Class candidates



# A Use-case

Use Case ID: JBA 003

Use Case Name: create bank accounts for customer accounts

Relevant Requirements: 3.1.3

Primary Actor: User Banker

Pre-Conditions: Banker user must be logged in and select a customer account to view then create a bank account for them

Post-Conditions: the customer user account now has a new bank account with generated id and credentials also a debit card

Basic Flow or Main Scenario:

1. Banker is logged in to system
2. System shows list of customer accounts
3. Banker selects a customer account and selects create a bank account for it
4. If allowed there is new bank account with generated attributes for the customer account

Extensions Or Alternate Flows: If login failure direct back to login or sign up page or if there are no customer accounts then do nothing.

Exceptions: if credentials are incorrect they are not logged in but redirected to sign in, also there might be a maximum amount of bank accounts a customer account can have.

Related Use Cases: JBA 004

Thank you

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# Top 10 Requirements

- 1.) Application will have a GUI
  - 2.) Banker- should be able to open checking/savings accounts for customers including generating account numbers/id and debit cards
  - 3.) Teller - should be able to deposit or withdraw from accounts and locate accounts
  - 4.) Atm - section to withdraw money and deposit money directly into customer account
  - 5.) User can have and view multiple accounts
  - 6.) Security - user can create an account with username and password
  - 7.) Data collection- collect usage data of customers like transaction, last accessed, and identity
  - 8.) Cancel transactions if the account is negative balance
  - 9.) User can close accounts
  - 10.) User can cancel debit card/submit to get a new one
  - 11.) Must use TCP/IP
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