



JAVA ATM INTERFACE

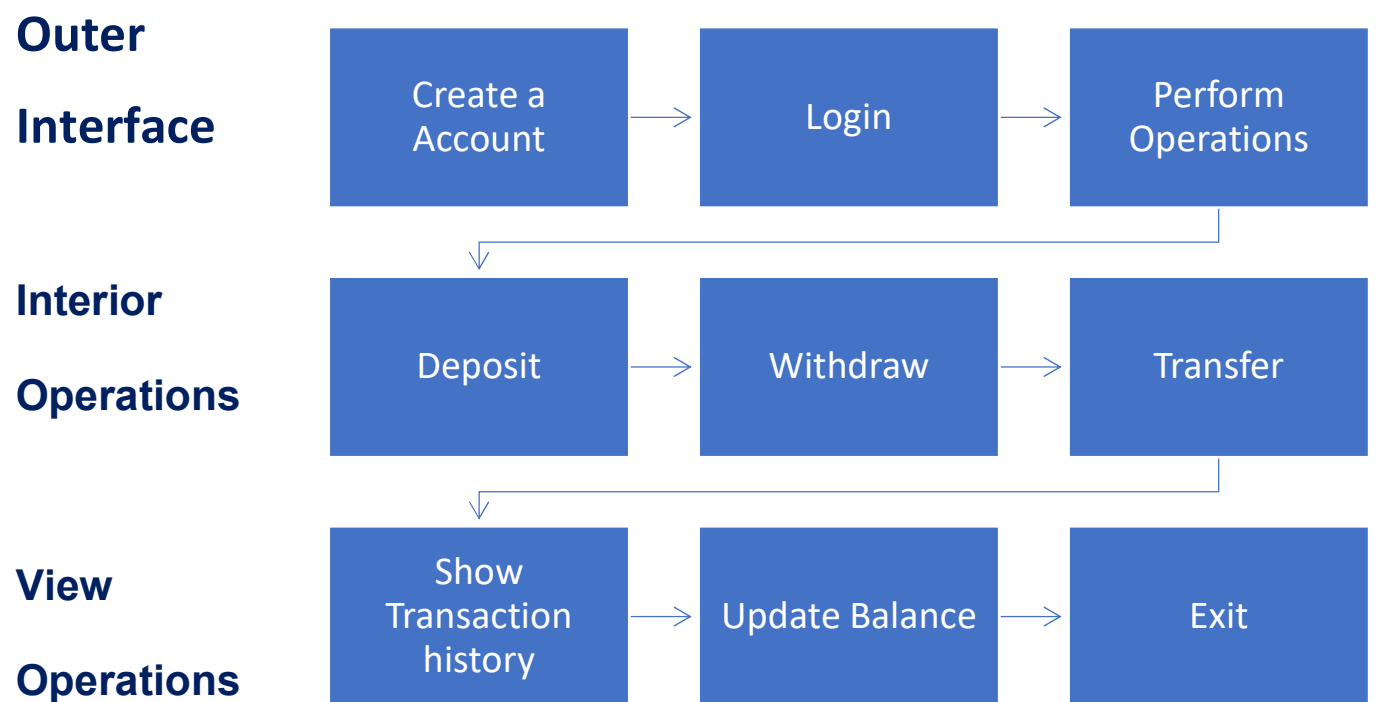
Low Level Design

Domain: Java

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Architecture



Class Description

Atm Interface

First opening prompt allows user to create a new account and Login to their respective account.

Atm

This class contains methods to create an account and perform login operations. It also includes necessary error handling mechanisms to check the validity of the account and returns an appropriate success message.

Account Holder

This class contains a statically linked list that stores all the bank account objects along with their required details, such as first name, last name, age, user ID, PIN, and balance. Additionally, this class handles the task of validating the entered details during login and transfer operations. It returns a Boolean value of true if the details are valid; otherwise, it returns false. Furthermore, it is responsible for retrieving the account information if the details are valid.

Account

This class encapsulates various operations related to banking, including deposit, withdraw, transfer, show transactions, and show balance. These operations allow users to interact with their accounts and manage their funds effectively which provide users with the necessary functionality to manage their funds, perform transactions, and keep track of their financial activities.

Bank

This class serves as a blueprint for creating account objects in a banking system. It holds essential information about an account holder, including their first name, last name, age, user ID, PIN, and balance. By encapsulating all this information within the account object, the class provides a convenient way to create, access, and manage account-related details. It allows for proper organization and manipulation of account information within the banking system.

Bank Data

This class encompasses methods for file handling operations, specifically for storing account details in a text file, reading information from the text file, and updating the balance. By incorporating these file handling methods, the class enables the persistence of account details in a text file. It ensures that the data is stored securely and can be accessed or modified as required. Additionally, it provides the functionality to read and update the balance, allowing for accurate financial transactions and account management.