

# Low-Level Design

**LLD Document for ATM Interface Console-Based Application**

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### Attributes

1. `accountNumber`: A unique identifier for the account.
2. `accountType`: The type of the account (e.g., checking, savings).
3. `balance`: The current balance of the account.
4. `transactionHistory`: A list of bank transactions that have been carried out on the account.

### Methods

1. `getAccountNumber()`: Returns the account number of the account.
2. `getAccountType()`: Returns the account type of the account.
3. `getBalance()`: Returns the current balance of the account.
4. `getTransactionHistory()`: Returns a list of bank transactions that have been carried out on the account.
5. `deposit(amount)`: Adds the specified amount to the account balance and creates a bank transaction object with the transaction type set to "deposit".
6. `withdraw(amount)`: Subtracts the specified amount from the account balance and creates a bank transaction object with the transaction type set to "withdrawal".
7. `transfer(amount, destinationAccount)`: Subtracts the specified amount from the account balance, creates a bank transaction object with the transaction type set to "transfer", and transfers the amount to the specified destination account.
8. `addTransaction(transaction)`: Adds the specified bank transaction object to the transaction history list.