

Below is the suggested UML for the ATM's logic

| User | |
|-------------------------|----|
| - username: String | PK |
| - name: String | |
| - password: String | |
| - name: String | |
| - email: String | |
| + getUsername(): String | |
| + getName(): String | |
| + getPassword(): String | |

| Account | |
|---|----|
| - accountNumber: Int | PK |
| - accountBalance: double | |
| + getBalance(): double | |
| + deposit(amount: double): void | |
| + withdraw(amount: double) boolean | |
| + getAccountNumber(): Int | |
| + getUsername(): String | |
| + setUsername(username: String): void | |
| + setName(name: String): void | |
| + setPassword(password: String): void | |
| + setAccountNumber(accountNumber: String): void | |

| Transaction | |
|------------------------------|--|
| - transactionID: String | |
| - accountNumber: String | |
| - type: String | |
| - amount: double | |
| - timestamp: Date | |
| + getTransactionID(): String | |
| + getType(): String | |
| + getAmount(): double | |
| + getTimeStamp(): Date | |

Key:

Private = “-“

Public = “+”

