

ATM Case Study

Build a Java application simulating an ATM of a Bank.

The Bank has 5 accounts:

Account ID	PIN	Account Owner's Name	Balance
1000	1017	Nick Jones	1890.00
1001	7817	Ann Brown	5900.00
1002	9091	Thomas McKay	7012.20
1003	8851	Tracy Williams	5510.00
1004	4941	Anthony Williams	12900.00

The ATM will provide a dialog to login:

ID: _____

PIN: _____

If the user provides correct credentials, it will display the following menu:

1. Balance
2. Withdraw
3. Deposit
0. EXIT

Option 1 will display the current balance of the account.

Option 2 will ask for an amount and if there sufficient balance, the amount will be subtracted.

Option 3 will ask for an amount and if it is positive, the amount will be added to the balance.

After 1, 2, or 3, the menu will be displayed again.

Option 4 will stop the menu, and the system will return to the login dialog.

In case of wrong credentials, an error message will be displayed and the login dialog will show again.