

```
main.cpp | BankAccount.cpp | BankAccount.h |
1 #include "BankAccount.h"
2 #include <iostream>
3 #include <limits>
4 #include <string>
5 using namespace std;
6
```

input  
Enter account owner name: Justine

input  
Enter account owner name: Justine  
Enter starting balance: 1000  
==== Bank Menu ====  
1) Deposit  
2) Purchase  
3) Show Balance  
4) Show Transactions  
5) Exit  
Choose an option: []

transactions.txt

```
[2025-11-06 03:10:50] Account created for Justine | Starting balance: $1000.00
[2025-11-06 03:11:22] Deposit: +$100.00 | Balance: $1100.00
[2025-11-06 03:11:39] Purchase: -$160.00 () | Balance: $940.00
[2025-11-06 03:12:07] Purchase: -$170.00 () | Balance: $770.00
```

```
2) Purchase
3) Show Balance
4) Show Transactions
5) Exit
Choose an option: 3
Current balance for Justine: $1100.00

===== Bank Menu =====
1) Deposit
2) Purchase
3) Show Balance
4) Show Transactions
5) Exit
Choose an option: 2
Purchase amount: 160
Item description: Purchased "" for $160.00.

===== Bank Menu =====
1) Deposit
2) Purchase
3) Show Balance
4) Show Transactions
5) Exit
Choose an option: 150
Invalid choice. Try 1-5.

===== Bank Menu =====
1) Deposit
2) Purchase
3) Show Balance
4) Show Transactions
5) Exit
Choose an option: 2
Purchase amount: 170
Item description: Purchased "" for $170.00.

===== Bank Menu =====
```