

Main Menu

Loop:

Enter pin# first

1 - Check Balance

2 - Deposit

2.1 - Deposit Check

If check reading fails, enter amount

2.2 - Deposit Cash

Display how much was read

Ask user if they want to deposit in checking or savings

Ask user if they want to proceed

If no, give money back and exit

Show amount before deposit

Show amount deposited

Show amount after deposit

Show message about not being able to withdraw what was deposited immediately

Go back to menu

3 - Transfer

3.1 - Checking to Savings

3.2 - Savings to checking

Enter amount you want to transfer

Mention if user doesn't have enough to transfer

Enter another amount or exit transfer

Show account from and account to

Show how much is being transferred

Show amount of each account

Go back to menu

4 - Withdraw

From checking or savings?

Enter Amount for withdrawal

Verify if user has enough to withdraw

If not, either enter the appropriate withdraw or exit

Show amount in account before

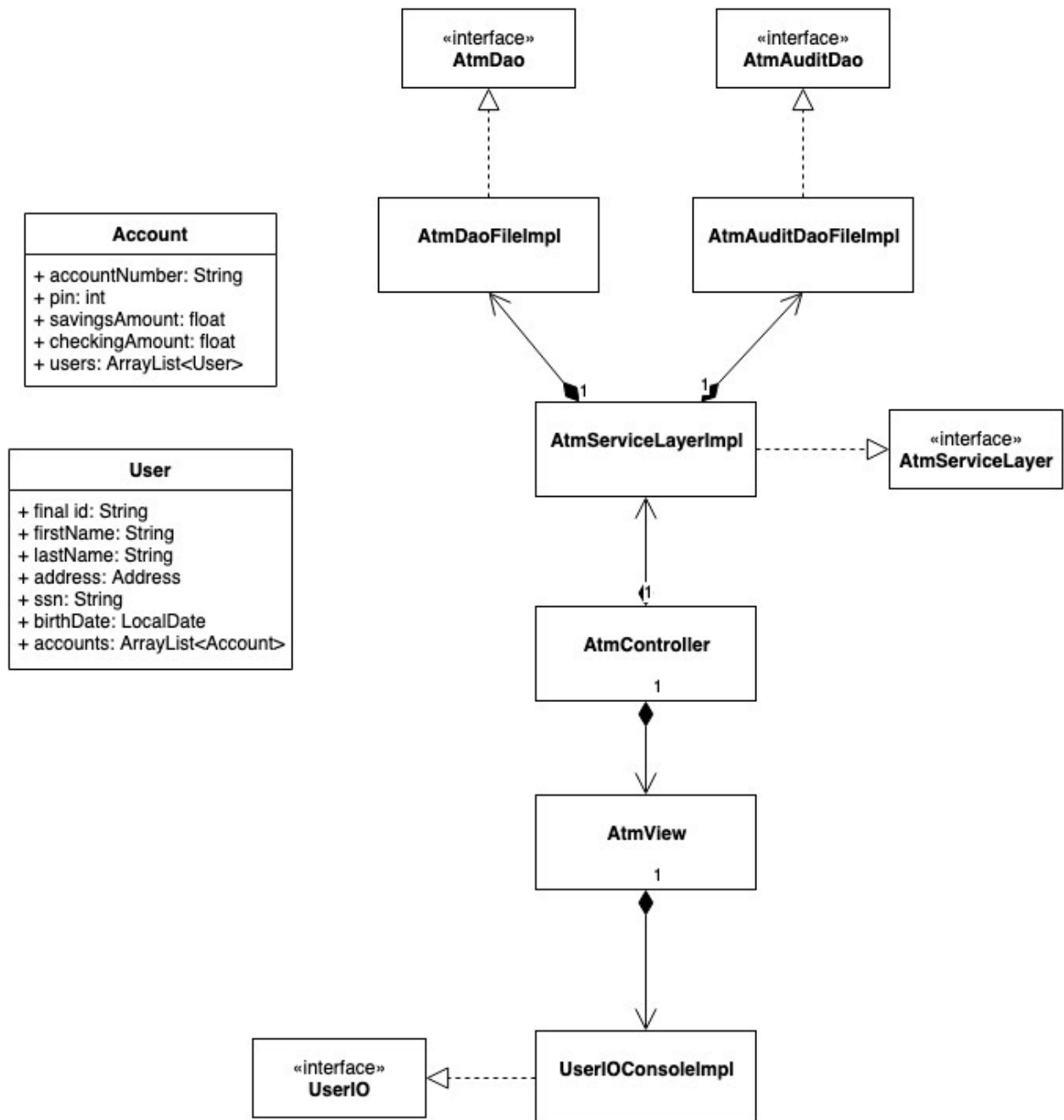
Show amount withdrawn

Show amount in account after

Go back to menu

5 - Exit

Goodbye message



Service Layer

- Check funds before withdrawal / transfer
- Validate check

User Stories

1. - Show menu
 - Options available from (1-5)
2. - User can check balance for checking or saving.
3. - User can deposit cash or check.
4. - User can transfer money from checking to savings.
5. - User can withdraw from checking or savings.

Test Cases

- User cant Withdraw more money than they have in account
- User can withdraw less money than they have in their account
- User cant withdraw negative amounts
- Verify if a user can perform only one cash withdrawal transaction per PIN request
- User cant deposit a negative amount
- Lock out if User enters the wrong pin 3 times
- User cant access account with wrong pin
- User can access account with right pin
- Verify the card reader functionality by inserting an expired card
- Verify the deposit slot functionality by inserting an invalid cheque
- Verify Account balance returns
- Verify the different combination of operation and check if there will be a power loss in the middle of operation