

Banking System Report

A short report on the main parts of the banking system program.

1. **Main Menu Loop**

This is basically what you see first — the menu where you pick what you want to do, like open a new account, check your balance, deposit or withdraw money, see all accounts, or quit. It keeps running until you decide to exit.

2. **makeNewAcc()**

This part asks the user for their account number, full name, a password, and how much money they want to start with. Then it saves all that info in a simple text file named with the account number, so it's easy to find later. It also writes a note to a separate history file saying the account was created.

3. **showAcc()**

Here, the program asks for your account number and password, and if everything checks out, it shows your account info — your number, your name, and how much money you have.

4. **addMoney()**

This lets you add cash to your account. After you type your account number and password, you enter how much you want to deposit. The program updates your balance and saves the new amount back to the file. It also keeps a log of this deposit.

5. **takeMoney()**

This is where you can withdraw money. The program makes sure you have enough balance first. If you do, it subtracts the amount, updates your account file, and logs the withdrawal. If not, it lets you know you don't have enough cash.

6. **removeAcc()**

Want to close your account? This function deletes both your account file and the transaction history file, but only after you enter the correct password.

7. **showAll()**

This one's like a quick list of everyone who has an account. It looks through all the account files in the folder and prints out their account numbers, names, and balances.

8. **seeHistory()**

If you want to check what deposits or withdrawals you've made before, this shows your transaction history — but only if you enter the right account number and password.

9. **Helper Functions**

There are some small helper functions that do stuff like:

- Make the filenames using the account number.

- Check if an account file exists before trying to open it.
- Verify the password you type.
- Add lines to the transaction log file whenever you deposit or withdraw money.