

Here are some improvements I can make to my code

1. **Use of fflush(stdin); before scanf()** – This will help me avoid input buffer issues and prevent unexpected behavior in user inputs.
2. **Improve getMaskedPIN()** – I need to validate the PIN length properly and allow re-entry in case of errors, ensuring a smoother user experience.
3. **Error Handling for File Operations** – I should add proper checks to maintain data integrity when reading and writing files to prevent corruption.
4. **Account Type Validation** – I need to ensure that users enter only 0 for SAVINGS and 1 for CURRENT to prevent incorrect account types from being assigned.
5. **Secure Account Number Input** – Instead of letting users manually enter account numbers, I can generate unique identifiers automatically to prevent duplicates and invalid entries.
6. **Logging Transactions** – I should implement a transaction history system to keep track of deposits and withdrawals, making the system more transparent.
7. **Add Interest Calculation** – I can enhance my savings account functionality by applying interest based on lastInterestApplied, making it more realistic.
8. **Optimize findAccount()** – Using a more efficient search method like hashing or binary search (if accounts are sorted) will improve performance.
9. **Refactor Code into Modules** – I should separate my code into different files, such as account.c, file\_io.c, and security.c, to make it more organized and maintainable.
10. **Cross-Platform Support** – I need to remove \_getch() and use termios.h for Linux compatibility so that my program works on multiple operating systems.