

Future Banking System

A Simple Banking System in C

This C project is a basic console-based banking system where users can create accounts, log in to existing accounts, deposit money, withdraw money, and view account details. The data is stored in a text file for persistence.

Overview

This program allows users to create bank accounts, log in, deposit, withdraw, and check balances. It simulates basic banking operations using file I/O in C for data persistence.

Key Components:

- `accountCreate()`: Creates a new account and stores user details in `CustomerDetails.txt`.
- `deposit()`: Allows logged-in users to deposit money.
- `withdraw()`: Allows logged-in users to withdraw money (if they have enough balance).
- `checking()`: Authenticates users by checking their username and password, and displays account details.

Features

- **Account Creation**: Create a new user account with username, password, and ID number.
- **Login**: Existing users can log in with their username and password.
- **Deposit Money**: Deposit money into the logged-in account.
- **Withdraw Money**: Withdraw money from the logged-in account.

- Account Details: View the details of the logged-in account.
- File I/O: The system saves user details in a file for persistent data storage.

Getting Started

Prerequisites:

- Windows OS (due to the use of windows.h library for gotoxy() function).
- A C compiler, such as gcc.

Installation:

1. Clone the repository:

```
git clone https://github.com/KaushanS/Future-Banking-System.git
```

2. Compile the C code:

```
gcc main.c -o bank.exe
```

3. Run the compiled executable:

```
./bank.exe
```

Usage

- When you run the program, you'll see two options:
 - Create an account: To create a new user account.
 - Already user..Log in: To log in to an existing account.
- After logging in, users can:
 - Deposit money.
 - Withdraw money.
 - Exit the system.

Files

- main.c: The main source code of the banking system.
- CustomerDetails.txt: A text file that stores customer information such as username, password, name, ID, account number, and balance.

Contributing

Contributions are welcome! Feel free to submit a pull request or open an issue for any bugs or feature requests.

License

This project is licensed under the MIT License - see the LICENSE file for details.