Abhirami Kannan

GITHUB PROJECT: ATM MACHINE

Github link: **Abhiramikannan/ATM-MACHINE**

This project simulates an ATM machine with features like withdrawing money using a card and QR, depositing money, checking account balance, and viewing a mini-statement.
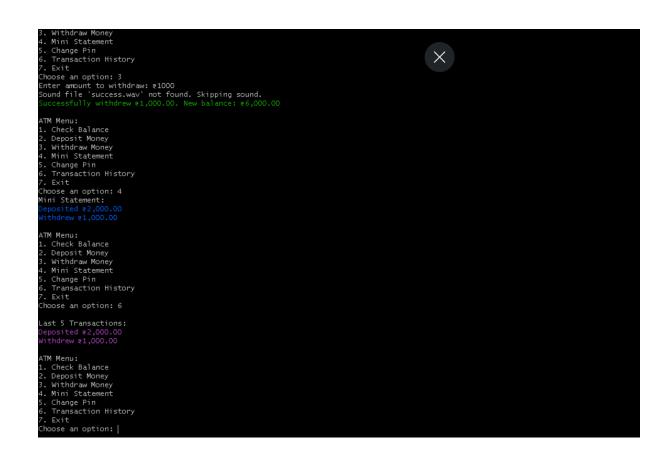
Features

- **Withdraw using Card**: Users can withdraw money from their account by entering the ATM card details.

- **Withdraw using QR**: Users can withdraw money by scanning a QR code, providing a more modern and convenient withdrawal method.

- **Deposit**: Users can deposit money into their account through the ATM.

- **Check Balance**: Displays the current balance in the user's account.

- • **Mini Statement**: Shows the recent transaction history in a concise mini-statement.
- • **Fees per Transaction**: Users are informed about the fees applied for each transaction they perform.
- • **Transaction History**: A complete log of all transactions made, including deposits, withdrawals, and balance checks.

Bug Fixes and Enhancements

- **Test Feature (Bug Created)**: A bug was intentionally created in the feature-test branch for testing purposes.

- **Bugfix Branch (bugfixxx)**: A bug was identified during the development process, related to exiting the program and performing transactions correctly. After identifying and debugging the issue, the bug was resolved in the bugfixxx branch.

- **UI Enhancements**: To improve user interaction, colorful text was added using the termcolor library, enhancing the readability of outputs. Additionally, the transaction history was reformatted for better clarity and presentation.

```
Welcome to the ATM Machine

Available Card Numbers:
1234567890123456
9876543210987654
1122334455667788
9988776655443322
5678901234567890

Enter your 16-digit card number: 1234567890123456
Enter your PIN: 1234
Login successful.

ATM Menu:
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Mini Statement
5. Change Pin
6. Transaction History
7. Exit
Choose an option: 1
Your current balance is ₹5,000.00

ATM Menu:
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Mini Statement
5. Change Pin
6. Transaction History
7. Exit
Choose an option: 2
Enter amount to deposit: ₹2000
Sound file 'success.wav' not found. Skipping sound.
Successfully deposited ₹2,000.00. New balance: ₹7,000.00

ATM Menu:
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Mini Statement
5. Change Pin
6. Transaction History
7. Exit
Choose an option: |
```

```
3. Withdraw Money
4. Mini Statement
5. Change Pin
6. Transaction History
7. Exit
Choose an option: 3
Enter amount to withdraw: ₹1000
Sound file 'success.wav' not found. Skipping sound.
Successfully withdrew ₹1,000.00. New balance: ₹6,000.00

ATM Menu:
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Mini Statement
5. Change Pin
6. Transaction History
7. Exit
Choose an option: 4
Mini Statement:
Deposited ₹2,000.00
Withdrew ₹1,000.00

ATM Menu:
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Mini Statement
5. Change Pin
6. Transaction History
7. Exit
Choose an option: 6

Last 5 Transactions:
Deposited ₹2,000.00
Withdrew ₹1,000.00

ATM Menu:
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Mini Statement
5. Change Pin
6. Transaction History
7. Exit
Choose an option: |
```

```
4  Mini Statement
5. Change Pin
6. Transaction History
7. Exit
Choose an option: 7
Thank you for using the ATM. Goodbye!

Administrator@c35d7cb01ed5578 MINGW64 ~/Desktop/ATM-MACHINE (main)
$ |
```

THE NUMBER OF COMMITS

```
Administrator@c35d7cb01ed5578 MINGW64 ~/Desktop/ATM-MACHINE (main)
$ git log --oneline
0cdb43b (HEAD -> main) Merge branch 'main' of github.com:Abhiramikannan/ATM-MACHINeremo to loca
7e8a704 (origin/main) Merge pull request #5 from Abhiramikannan/feature/new-ui
9b6cd23 There was some bug in new-ui
48c7177 (origin/feature/new-ui, feature/new-ui) feature/ui updated..there were some bugs
702cc7c Update README.md
72486fd Update README.md
a840281 Merge pull request #4 from Abhiramikannan/feature/new-ui
fa90776 (tag: v1.0.0) Merge pull request #3 from Abhiramikannan/bugfixxx
8266922 ui features added
6afe20b (origin/bugfixxx, bugfixxx) bug fixed
1293624 (origin/feature-test, feature-test) transaction history feature added
29b1116 (bugfix) new features
ec35dbe Update README.md
8467116 feature of cash charging per transaction added
60308f8 fees per transaction added
bdfd79c Merge pull request #1 from Abhiramikannan/feature/change-pin
4dcdb24 Change-pin feature added
97711bd atm-stimulator code added
1786b9f .gitignore file added
7684acc README file
```

NUMBER OF BRANCHES

```
Administrator@c35d7cb01ed5578 MINGW64 ~/Desktop/ATM-MACHINE (main)
$ git branch
  bugfix
  bugfixxx
  feature-test
  feature/change-pin
  feature/new-ui
* main
```