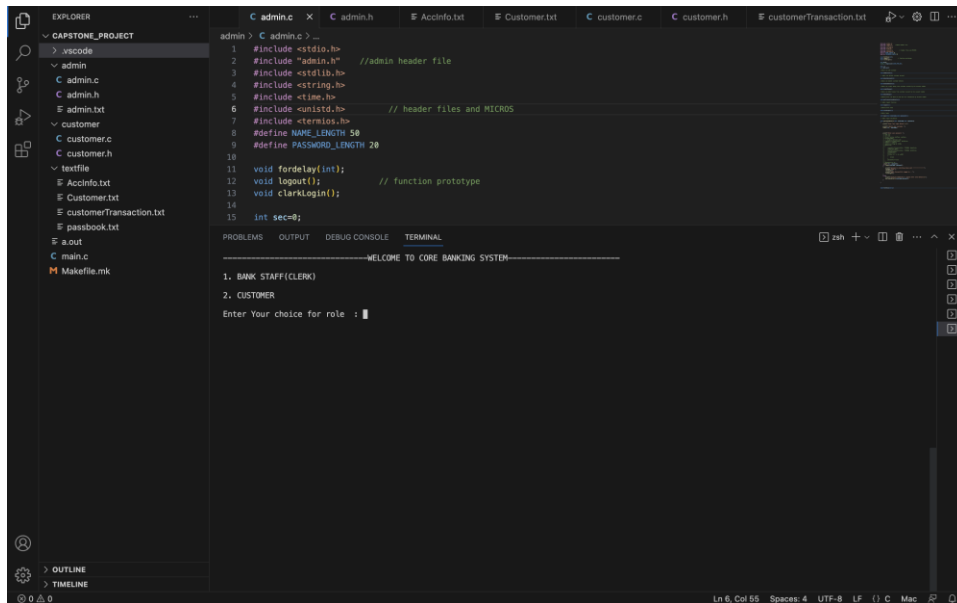


Core Banking System

(project overview)



```
admin > C:admin.c> ...
1 #include <stdio.h>
2 #include "admin.h" //admin header file
3 #include <stdlib.h>
4 #include <string.h>
5 #include <time.h>
6 #include <unistd.h> // header files and macros
7 #include <termios.h>
8 #define NAME_LENGTH 50
9 #define PASSWORD_LENGTH 20
10
11 void ferdelay(int);
12 void logout(); // function prototype
13 void clarklogin();
14
15 int sec=0;
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

WELCOME TO CORE BANKING SYSTEM

1. BANK STAFF(CLERK)

2. CUSTOMER

Enter Your choice for role : █

It has two modules:

1-ADMIN MODULE:

- Admin login

```
admin > C:\admin.c > ...
1 #include <stdio.h>
2 #include "admin.h" //admin header file
3 #include <stdlib.h>
4 #include <string.h>
5 #include <time.h>
6 #include <unistd.h> // header files and MICROS
7 #include <termios.h>
8 #define NAME_LENGTH 50
9 #define PASSWORD_LENGTH 20
10
11 void fordelay(int);
12 void logout();
13 void clarkLogin();
14
15 // function prototype
```

Enter Your Login Details
Enter your username: admin
Enter your password: 1234

- Admin menu

```
admin > C:\admin.c > ...
1 #include <stdio.h>
2 #include "admin.h" //admin header file
3 #include <stdlib.h>
4 #include <string.h>
5 #include <time.h>
6 #include <unistd.h> // header files and MICROS
7 #include <termios.h>
8 #define NAME_LENGTH 50
9 #define PASSWORD_LENGTH 20
10
11 void fordelay(int);
12 void logout();
13 void clarkLogin();
14
15 // function prototype
```

Admin Successfully Logged in....
----- Banking Menu -----
1. Add a customer into the system to an account
2. Delete a customer from the system
3. Modify a customer's details
4. Credit money to the customer
5. Debit money from the customer account
6. Query/Report on customer account & transactions
7. Quit Application
Enter your choice :

- Admin can add customer

```
textfile > E Accinfo.txt
1 9678456234 224888 Anshika saving wipro phase 1 pune pune mp india 224466 9876543216 anshika@wipro.com kjhgfdkjhg
2 9678456236 224888 Anshika saving kalyanpuri thakurganj lucknow lucknow up india 226884 9838273227 anshika@
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Enter customer Password : anshika123
Type of account:
#saving
#current
Enter Account type : saving
Enter customer Address 1 : kalyanpuri
Enter customer Address 2 : thakurganj
Enter customer Address 3 : lucknow
Enter city : lucknow
Enter State : up
Enter Country : india
Enter pincode: 226884
Enter phone number : 9838273227
Enter Email : anshika@wipro.com
Enter Pan : kjhgfdgd
Account created successfully!

Your Account number is : 9678456236
Your Customer ID is : 224888

Enter 1 to go to the main menu and 0 to exit:
```

- Admin can delete customer

```
textfile > E Accinfo.txt
1 9678456232 224884 Anshika saving lucknow lcknow lucknow lucknow up india 226883 987654321 anshika@123 kjhg1
2

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Enter account number of the customer you want to delete : 9678456234
Record deleted successfully !!

Enter 1 to go to the main menu and 0 to exit:
```

- Admin can modify the details of customer

```
textfile > F Accinfo.txt
1 9678456232 224884 Anshika saving lucknow lcknow lucknow lucknow up india 226883 987654321 anshika@123 kjhgfd
2 9678456233 224885 nikita saving wipro phasel pune pune mp india 223355 6387899834 nikita12@wipro.com kjhgfd
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Enter customer accountno : 9678456233
Enter Updated Name: Nikita
Enter Address: wipro
Enter Phone Number: 6387899834
Enter Email: nikita12@wipro.com
Customer modified successfully!

Banking Menu:
1. Add a customer into the system to an account
2. Delete a customer from the system
3. Modify a customer's details
4. Credit money to the customer
5. Debit money from the customer account
6. Query/Report on customer account & transactions
7. Quit Application

Enter your Choice : 
```

- Admin can credit money to customer account

```
textfile > F Accinfo.txt
1 9678456232 224884 Anshika saving lucknow lcknow lucknow lucknow up india 226883 987654321 anshika@123 kjhgfd
2 9678456233 224885 nikita saving wipro phasel pune pune mp india 223355 6387899834 nikita12@wipro.com kjhgfd
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
-----DEPOSITING MONEY-----
Enter your account number : 9678456233
Enter Today's date(dd-mm-yyyy) : 22-05-2023
Enter your name : nikita
Enter your account type : saving
Enter amount you want to deposit : 5000
Money is deposited
current balance in account is 5000.00

Enter 1 to continue to credit money, Enter 2 to go to the main menu and 0 to exit: 
```

- Admin can debit money from customer account

```

main.c
C main.c
C admin.c
C admin.h
E AccInfo.txt
E Customer.txt
C customer.c
C customer.h
E customerTransaction.txt
E a.out
C main.c
M Makefile.mk

textfile > E AccInfo.txt
1 9678456232 224804 Anshika saving lucknow lcknow lucknow up india 226003 987654321 anshika@123 kjhgfdsa
2 9678456233 224805 nikita saving wipro phase1 pune pune mp india 223355 6387099834 nikita12@wipro.com kjhgfd
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
-----Debit MONEY-----
Enter your account number : 9678456233
Enter Today's date(dd-mm-yyyy) : 22-05-2023
Enter your name : nikita
Enter your account type : saving
Enter amount you want to withdraw : 200
Money is debited ...

current balance in account is 4800.00

Enter 1 to continue to withdraw money. Enter 2 to go to the main menu and 0 to exit:

```

- Admin can view transaction report

```

admin.c
C admin.h
E AccInfo.txt
E Customer.txt
C customer.c
C customer.h
E customerTransaction.txt
E passbook.txt
E a.out
C main.c
M Makefile.mk

textfile > E passbook.txt
1
2 9678456232 22-05-2023 anshika saving 0 Credit 1000.00
3 9678456233 22-05-2023 nikita saving 1 Credit 5000.00
4 9678456233 22-05-2023 nikita saving 2 Debit 4800.00
5

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Enter the Account no you want to get transaction Details : 9678456233
Transaction Report
Account Number Transaction Date Name Account Type Transaction Id Transaction Type Balance
9678456233 22-05-2023 nikita saving 1 Credit 5000.00
9678456233 22-05-2023 nikita saving 2 Debit 4800.00

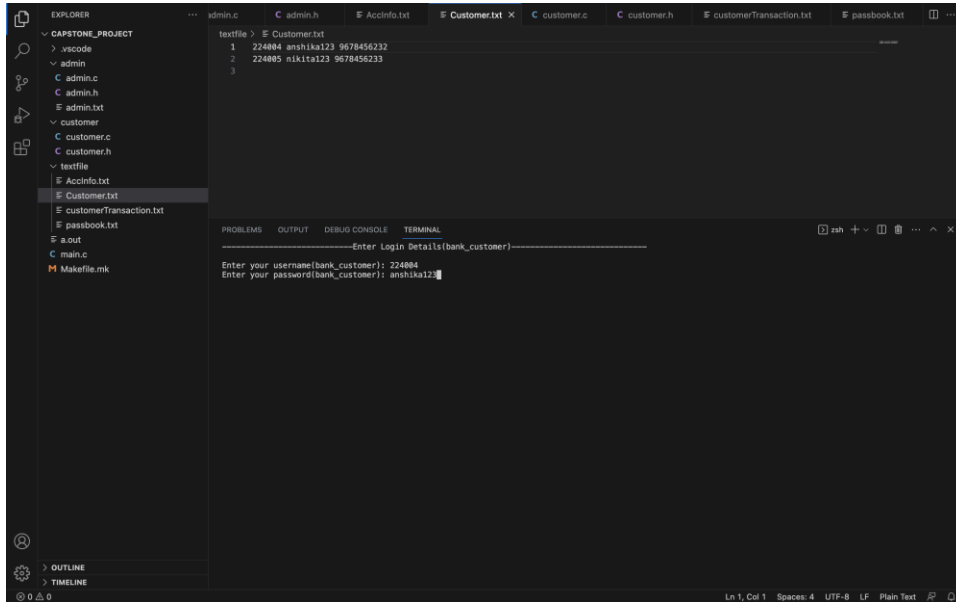
-----Banking Menu-----
1. Add a customer into the system to an account
2. Delete a customer from the system
3. Modify a customer's details
4. Credit money to the customer
5. Debit money from the customer account
6. Query/Report on customer account & transactions
7. Quit Application

Enter your choice :

```

2-CUSTOMER MODULE:

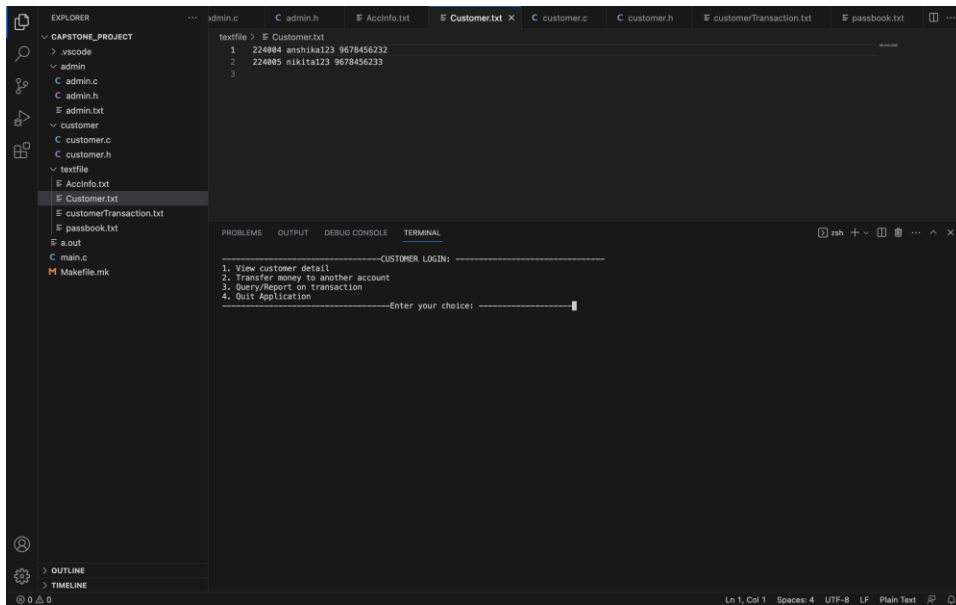
- Customer login



```
textfile > F: Customer.txt
1 224804 anshika123 9678456232
2 224805 nikita123 9678456233
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
-----Enter Login Details(bank_customer)-----
Enter your username(bank_customer): 224804
Enter your password(bank_customer): anshika123
```

- Customer menu



```
textfile > F: Customer.txt
1 224804 anshika123 9678456232
2 224805 nikita123 9678456233
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
-----CUSTOMER LOGIN:-----
1. View customer detail
2. Transfer money to another account
3. Query/Report on transaction
4. Quit Application
Enter your choice: 1
```

- Customer can view his details

```
224884-----
Customer Account number : 9678456232
Customer Unique ID : 224884
Customer name : Anshika
Customer Account type : saving
Customer Address : lucknow lucknow lucknow
Customer City : lucknow
Customer State : up
Customer Country : india
Customer pincode : 220083
Customer Number : 9678456232
Customer Email : anshika@23
Customer Pan : kjhgfdsa

-----CUSTOMER LOGIN:-----
1. View customer detail
2. Transfer money to another account
3. Query/Report on transaction
4. Quit application
Enter your choice: _____
```

- Customer can able to transfer money from his account to another

```
1 |
2 | 9678456232 22-05-2023 anshika saving 0 Credit 1000.00
3 | 9678456232 22-05-2023 nikita saving 1 Credit 5000.00
4 | 9678456232 22-05-2023 nikita saving 2 Debit 4800.00
5 | 9678456232 22-05-2023 anshika saving 3 Debit 500.00
6 | 9678456232 22-04-2023 nikita saving 4 Credit 5300.00
7 | 9678456232 22-05-2023 anshika saving 5 Debit 0.00
8 | 9678456232 22-05-2023 nikita saving 6 Credit 5800.00
9 |

Enter destination Customer Account no where you want to send money:9678456233
Enter amount which you want to insert:500
enter todays date:22-05-2023

Transfer done safely!!!!!!
Your Balance is 0.00

-----CUSTOMER LOGIN:-----
1. View customer detail
2. Transfer money to another account
3. Query/Report on transaction
4. Quit Application
Enter your choice: _____
```

- Customer can able to view his transaction report (source customer)

```
textfile > E Customer.txt
1 224884 anshika123 9678456232
2 224885 nikita123 9678456233
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
Enter destination Customer Account no where you want to send money:9678456233
1000 9678456233 debited 500.00
1001 9678456233 debited 500.00

-----CUSTOMER LOGIN: -----
1. View customer detail
2. Transfer money to another account
3. Query/Report on transaction
4. Quit Application
Enter your choice: _____
```

- Customer can able to view his transaction report (destination customer)

```
textfile > E customerTransaction.txt
1 1000 saving 9678456232 9678456233 500.00 9678456232
2 1001 saving 9678456232 9678456233 500.00 9678456232
3

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
NAME DESTINATION ACCOUNT NUMBER TRANSACTION TYPE AMOUNT
1000 9678456232 credited 500.00
1001 9678456232 credited 500.00

-----CUSTOMER LOGIN: -----
1. View customer detail
2. Transfer money to another account
3. Query/Report on transaction
4. Quit Application
Enter your choice: _____
```