FULL STACK DEVELOPER

MINI PROJECTIN C

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PUMO TECHNOVATION
INDIA PRIVATE LIMITED

PROJECT TITLE SHEET

online ATM Simulation

Project Report Submitted

In partial fulfillment of the requirement for the proficient certificate course

Done By

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Under the guidance of

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INDIA PRIVATE LIMITED

ABOUT PUMO TECHNOVATION

- We are the India's Largest Design, Developer and Manufacture of Fracture CON ROD's also Owning Technical Campus Collaborated with world's leading companies like FANUC INDIA, MITSUBISHI CUTTING TOOLS, ACCURATE GAUGES, ADITYA MEASUREMENTS, RENISHAW & MITUTOYA (JAPAN).
- Our total lab setup is focused for engineer's and industries updating requirements. the tech campus is completely accelerating under the guidance of industrial experts having 27+ years' experience and young aspirants, Pumo Technovation is the first tech campus to have all facilities & labs in India to offer training courses and job assurance all under one roof.
- Pumo Technovation Training in IT, Electronics & Electricals creating experts for emerging technology industries and specialist technology jobs.
- A part of CADD Centre, which is Asia's largest CAD/CAM/CAE training institute.

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PROJECT OBJECTIVE

The primary objective of this project is to develop a simple simulation of an Automated Teller Machine (ATM) that allows users to interact with their bank accounts through a console-based interface. The program will enable users to perform basic financial transactions such as checking the balance, depositing money, and withdrawing funds

Authentication:

- Validate the user's PIN to ensure secure access to their account.
- Provide feedback if the entered PIN is incorrect.

Transaction Types:

- **Credit (Deposit):** Allow users to deposit an amount into their account and update the balance accordingly.
- **Balance Enquiry:** Provide the user with the current balance in their account.
- **Debit (Withdrawal):** Allow users to withdraw money from their account, ensuring that the balance does not fall below zero. Provide feedback on successful transactions or insufficient funds.

Account Balance Management:

- Initialize the account with a fixed balance (e.g., 50,000).
- Ensure that transactions (deposit and withdrawal) are accurately reflected in the account balance.

Scope:

- **PIN Validation:** Implement logic to verify if the entered PIN matches a predefined value.
- **Transaction Handling:** Implement deposit and withdrawal operations and update the account balance accordingly.
- **User Feedback:** Provide clear and concise messages for successful or failed transactions and invalid inputs.
- **Balance Inquiry:** Display the current balance of the account in response to user queries.

Limitations:

- The ATM simulation will handle only a single account with a fixed initial balance.
- The program will not include advanced features such as multiple PIN management, transaction history, or interest calculations.

HARDWARE AND SOFTWARE REQUIREMENTS:

HARDWARE :

✓ Device name : **Maheswaran.P**

✓ Processor : 12th Gen Intel(R) Core(TM) i5-1155G7 @ 2.50GHz 2.50 GHz

✓ Installed RAM : 8.00 GB (7.65 GB usable)

✓ Device ID : 510B6CCD-229D-45E3- B733-91DC80B234D8

✓ Product ID : 00356-24559-35268- AAOEM

✓ System type : 64-bit operating system, x64-based processor

✓ Pen and touch : No pen or touch input is available for this display

SOFTWARE:

✓ PYCHARM
✓ PYTHON

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SOURCE CODE:

```
#include <stdio.h>

int main()

{

    int pin,a,b,c,v,AMOUNT,balance;

   printf("WELCOME TO ATM\n");

   printf("ENTER THE");

   printf(" PIN:");

   scanf("%d",&pin);

   a==pin;

   if(pin==2230) {
```

```
    printf("YOUR PIN IS CORRECT\n");

    printf("PRESS 1 IS CREDIT,  PRESS 2 IS BALANCE
ENQUIRY, PRESS 3 IS DEBIT\n");

    scanf("%d",&v);

    switch(v){

        case 1:

        printf("DEPOSIT\n");

        printf("ENTER THE AMOUNT\n");

        scanf("%d",&b);

        c=50000+b;

        printf("BALANCE: %d",c);

        break ;
```

```
case 2:

        printf("BALANCE=50000");

        break ;

        case 3:

        printf("WITHDRAW\n");

        printf("ENTER THE");

        printf(" AMOUNT:");

        scanf("%d",&AMOUNT);

        b==AMOUNT;

        if (AMOUNT<=50000){

        printf("TRASACTION SUCCESSFUL\n");
```

```
    printf("BALANCE AMOUNT:");

    balance=50000-AMOUNT;

    printf("BALANCE AMOUNT:%d",balance);




 } else {

    printf("INSUFFICIENT FUND");

 }



}

}else {
```

```
        printf("INVALID PIN\n");

        printf("PLEASE CHECK YOUR PIN");

    }









return 0;

}
```

==========

COMPLETE THE PROGRAM

==========

Output:

```
WELCOME TO ATM
ENTER THE PIN:2230
YOUR PIN IS CORRECT
PRESS 1 IS CREDIT,  PRESS 2 IS BALANCE ENQUIRY, PRESS 3 IS DEBIT
1
DEPOSIT
ENTER THE AMOUNT
50000
BALANCE: 100000

...Program finished with exit code 0
Press ENTER to exit console.
```

```
WELCOME TO ATM
ENTER THE PIN:2230
YOUR PIN IS CORRECT
PRESS 1 IS CREDIT,  PRESS 2 IS BALANCE ENQUIRY, PRESS 3 IS DEBIT
2
BALANCE=50000

...Program finished with exit code 0
Press ENTER to exit console.
```

```
WELCOME TO ATM
ENTER THE PIN:2230
YOUR PIN IS CORRECT
PRESS 1 IS CREDIT,  PRESS 2 IS BALANCE ENQUIRY, PRESS 3 IS DEBIT
3
WITHDRAW
ENTER THE AMOUNT:3634
TRASACTION SUCCESSFUL
BALANCE AMOUNT:BALANCE AMOUNT:46366

...Program finished with exit code 0
Press ENTER to exit console.
```

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