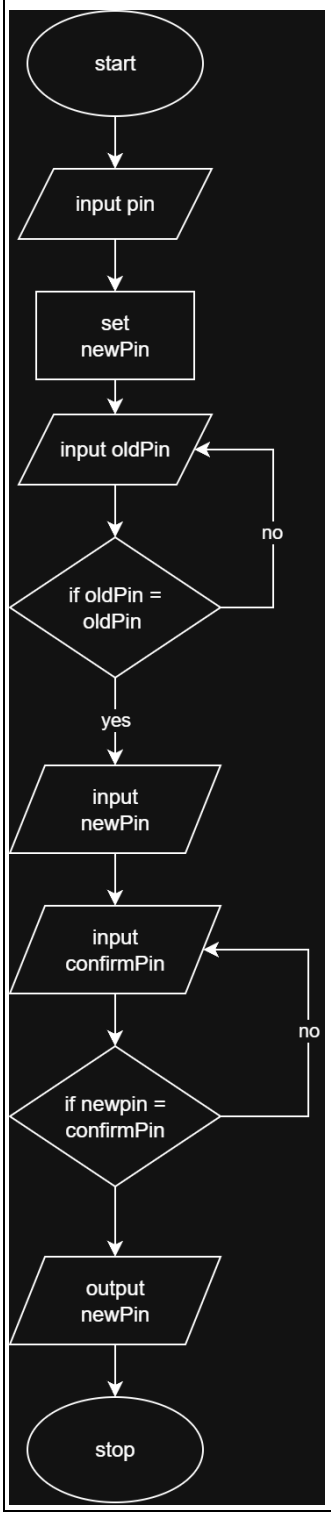
Activity No. <n>	
<Replace with Title>	
Course Code: CPE010	**Program:** Computer Engineering
Course Title: Data Structures and Algorithms	**Date Performed: 29/08/2025**
Section: CPE11S1	**Date Submitted: 29/08/2025**
Name(s): Ralph Angelov F. Braganza	**Instructor: Engr. Jimlord M. Quejado**

Output

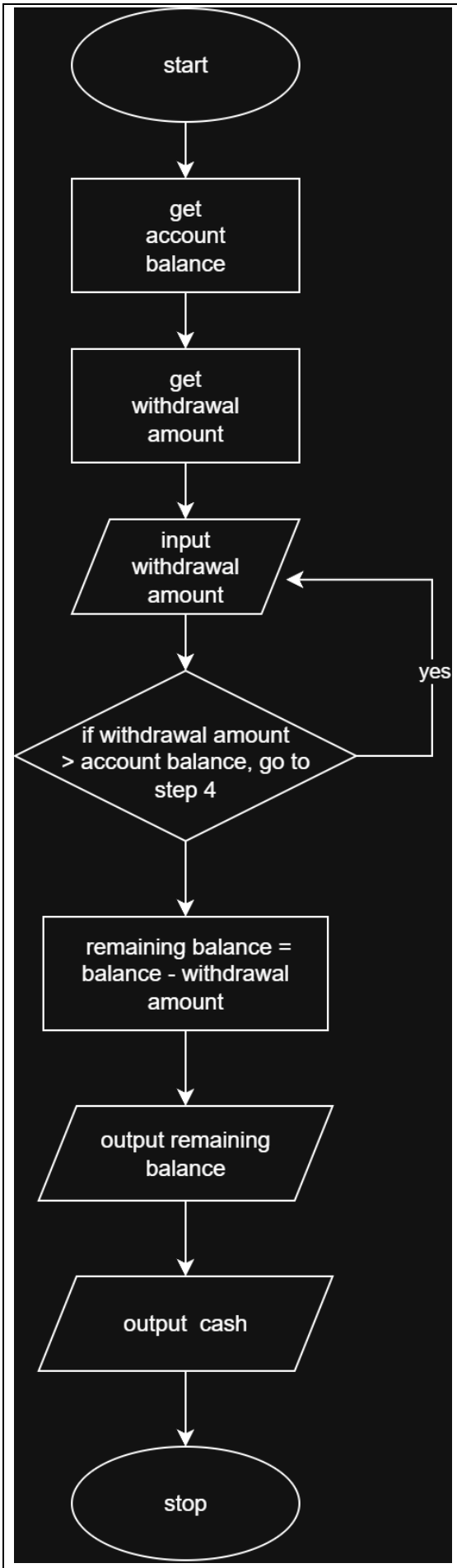
1. Provide a flowchart design for the following ATM functions:

- Changing pin



Psuedo Code

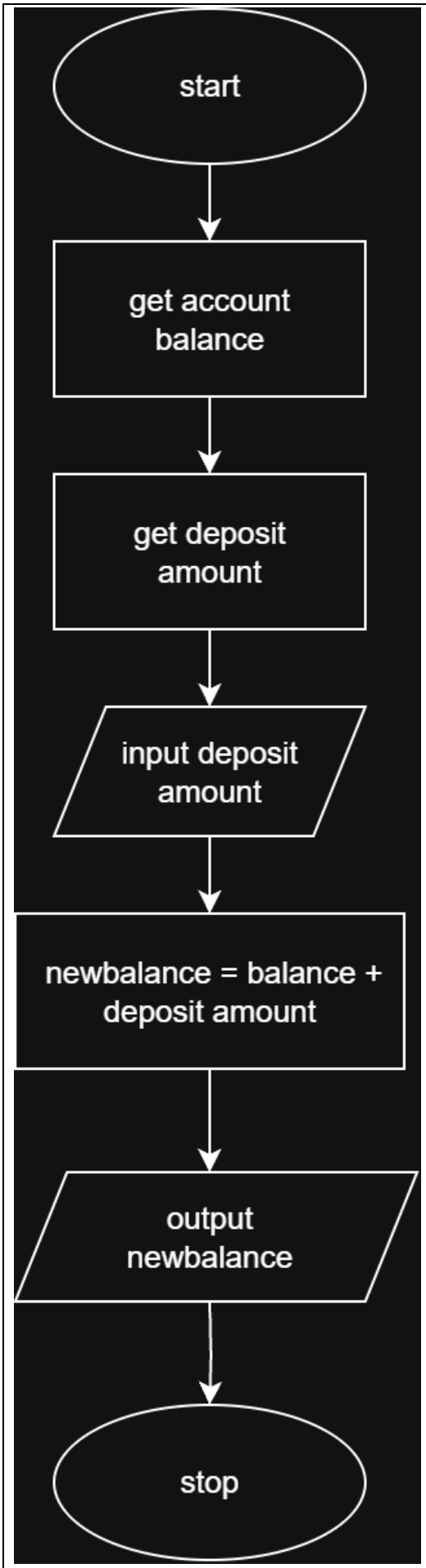
start
Enter pin
Set a newPin
Input the oldPin
If oldPin is not equal to oldPin go back to step 4
Input your newPin
Input confirmPin
If newPin is not equal to confirmPin go back to step 7
Output newPin
stop



- Withdraw

Psuedo Code

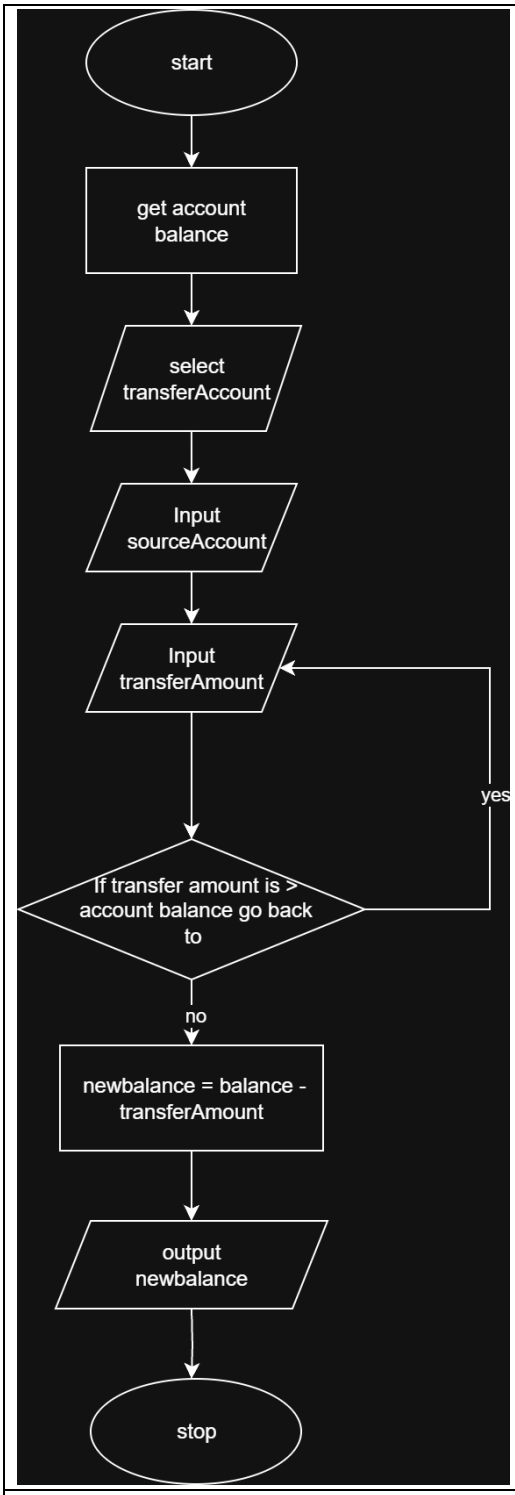
start
  Get amount balance
  Get withdrawal amount
  Input withdrawal amount
  If withdrawal amount > account balance, go to step 4
  Remaining balance = balance – withdrawal amount
  output remaining balance
  output cash
stop



- Deposit

Psuedo Code

start
    Get account balance
    Get deposit amount
    Input deposit amount
    newbalance = balance + deposit amount
    output newbalance
stop



- Fund Transfer

Psuedo Code

Start
    Get account balance
    Select Transfer acount
    Input Source Account
    Input Transfer amount
    If transfer amount is > account balance go back to step 6
    newbalance = balance - transfer amount
    output newbalance
Stop

Supplementary Activity

Conclusion

It took me a lot of critical thinking to make my own pseudocode, but I think I did it somewhat right or at least had the idea there. I had to really think about the logical steps and how they connect, which helped me understand how computers follow instructions in a way. Even though it wasn't perfect (I know that for sure), I'm proud that I was able to crate at last something and come up with a working (probably) structure.

Assessment Rubric