# ATM SIMULATOR

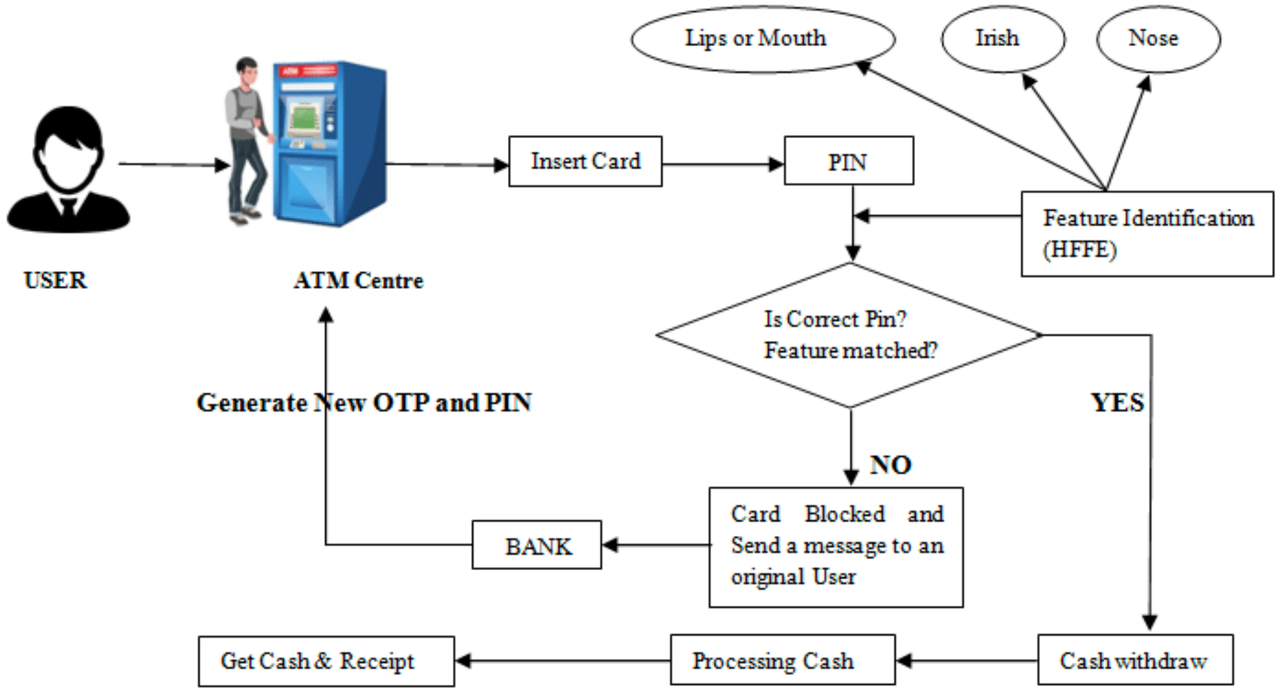
Moulya Rajesh Shetty - PES2UG20CS204
Shreya Nadella - PES2UG20CS208
Naman Choudhary - PES2UG20CS209
Nivedita Venkat - PES2UG20CS232
Praneeth Kumar L - PES2UG20CS251

# A BRIEF OVERVIEW

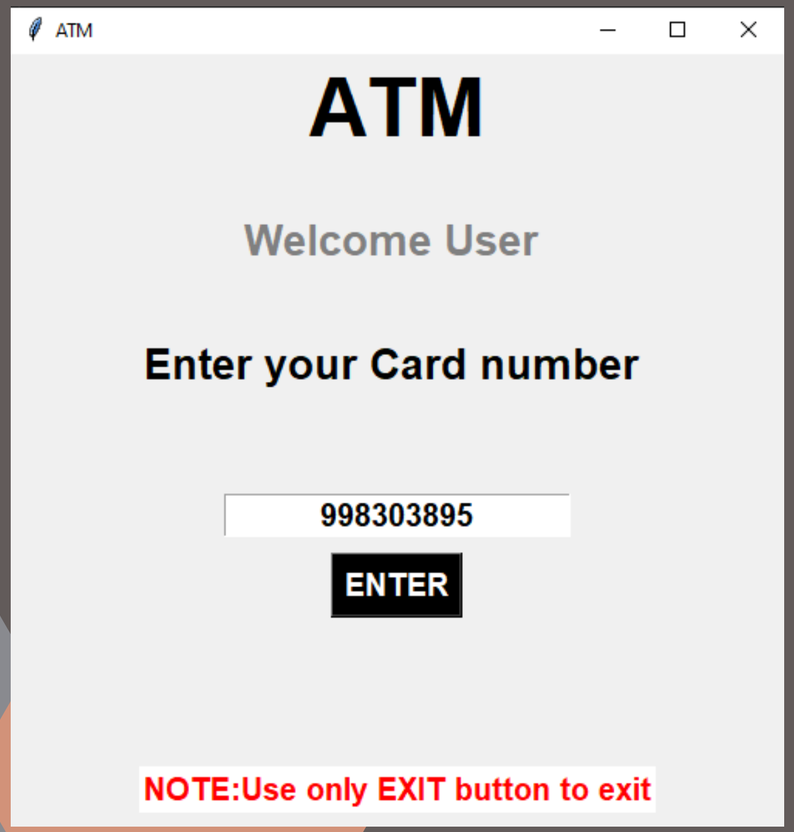
The ATM, Automated Teller Machine is built with the aim of making banking easier for the common man irrespective of their age, educational qualification and so on.
This product provides bank customers with a multitude of features including Money Withdrawal, Bank Account Balance Check, and ATM pin modification in a safe and secure manner.

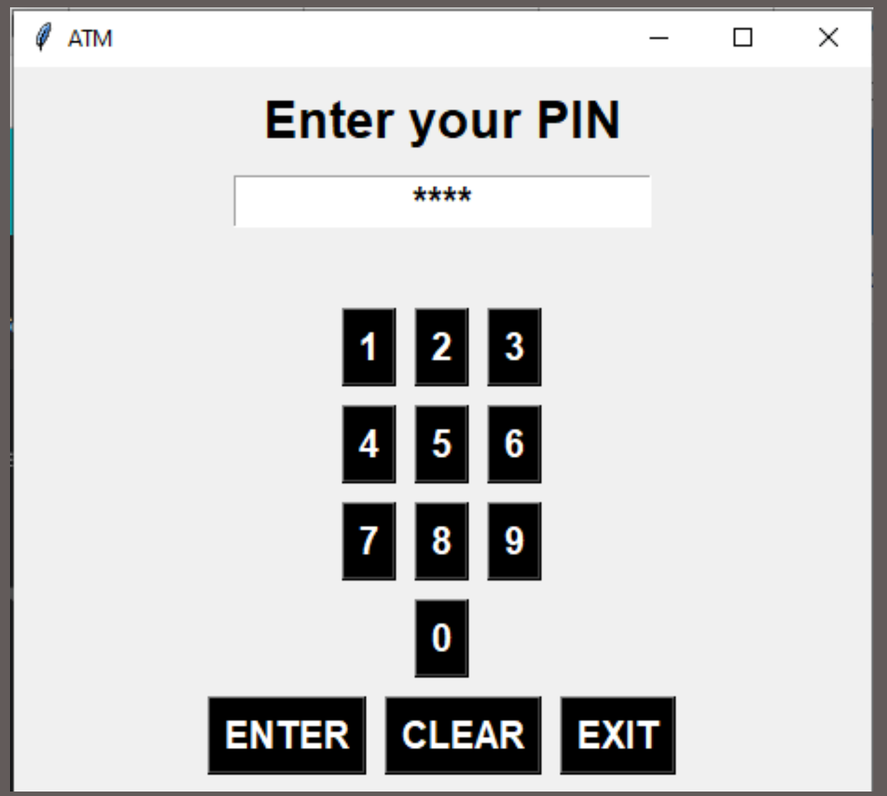
The project will be built using Python for handling the core operation of the machine.
Our main aim for the product is seamless user experience for the customer with secure communication, that will make their banking easy.

# ARCHITECTURE DIAGRAM

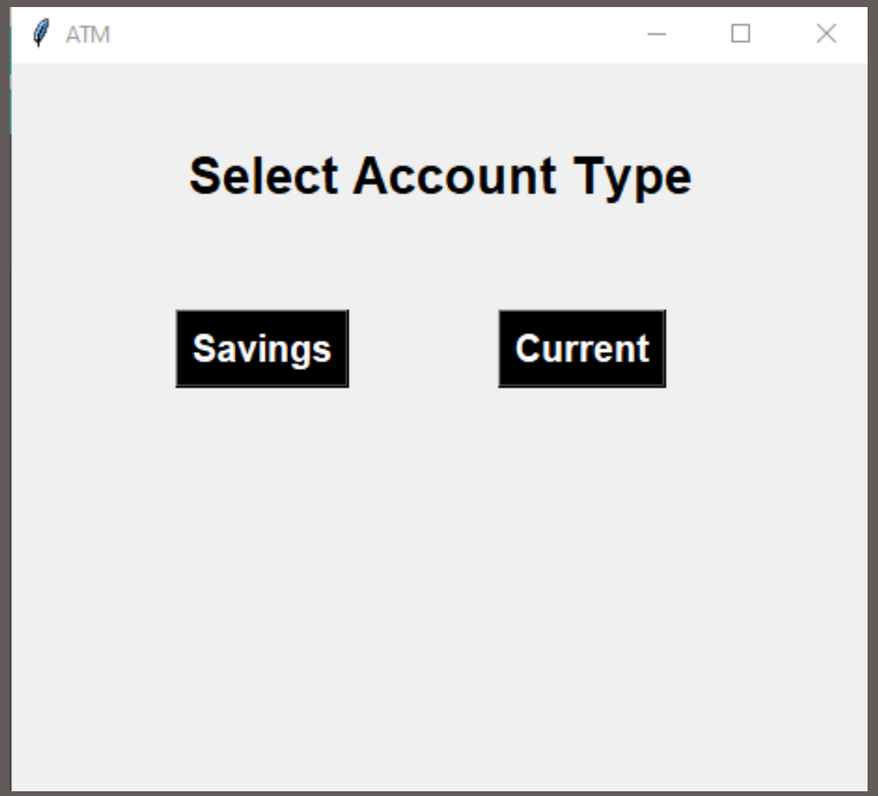


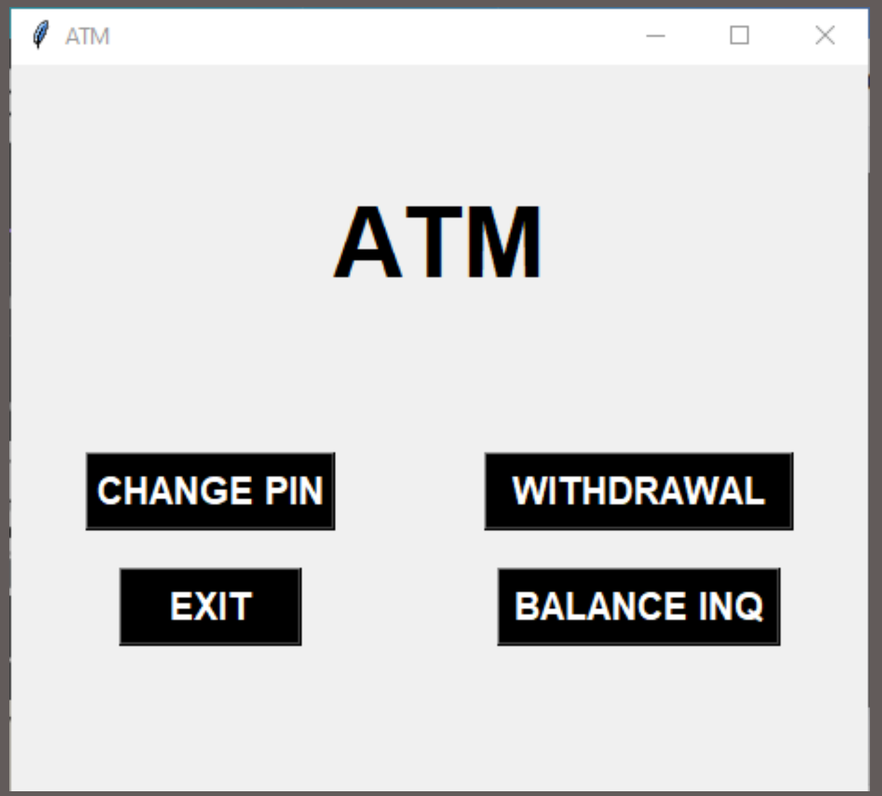
# OUTPUT

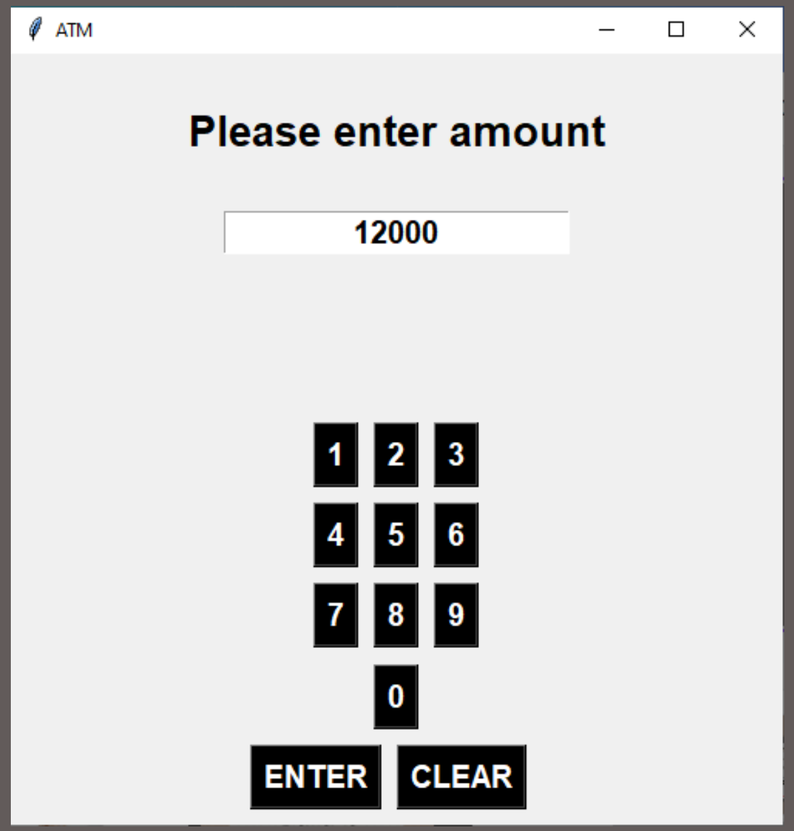

ATM
ATM
Welcome User
Enter your Card number
998303895
ENTER
NOTE:Use only EXIT button to exit

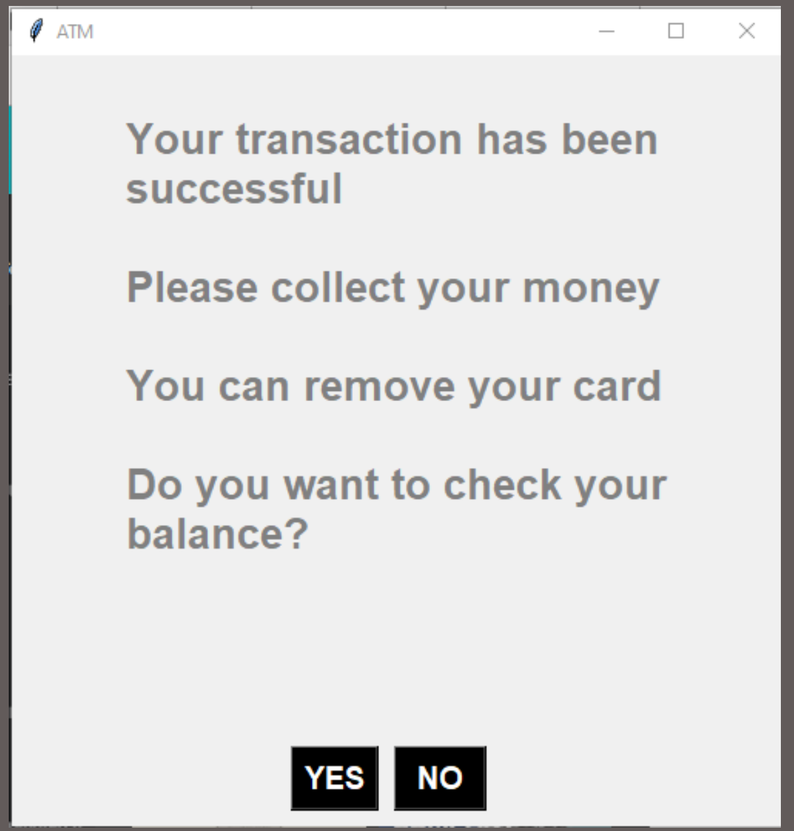

ATM
Enter your PIN
****
1
2
3
4
5
6
7
8
9
0
ENTER
CLEAR
EXIT

# Savings account



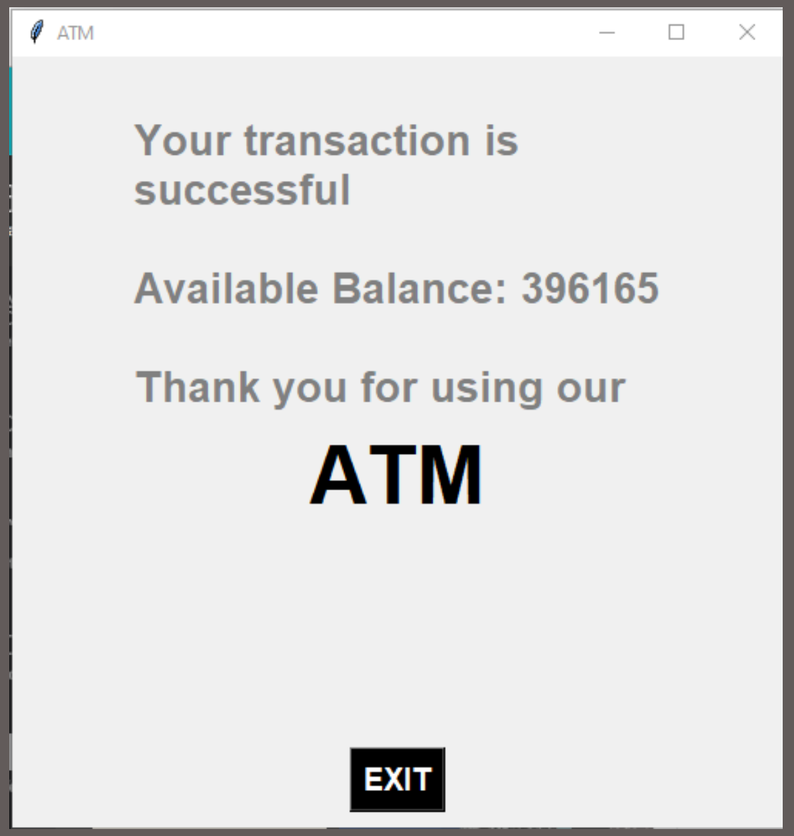





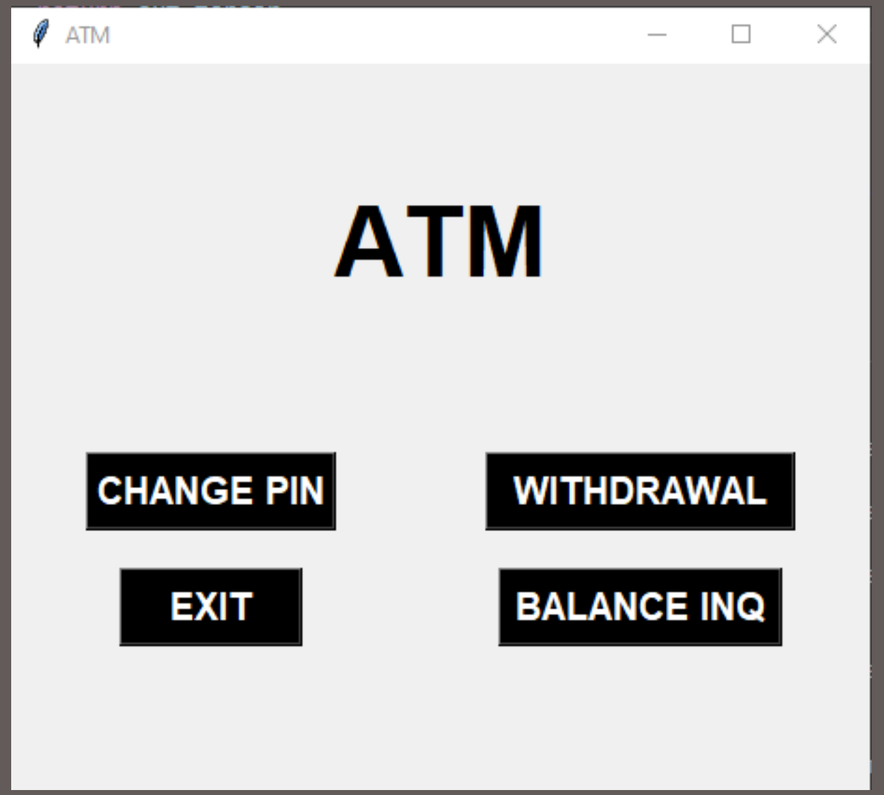



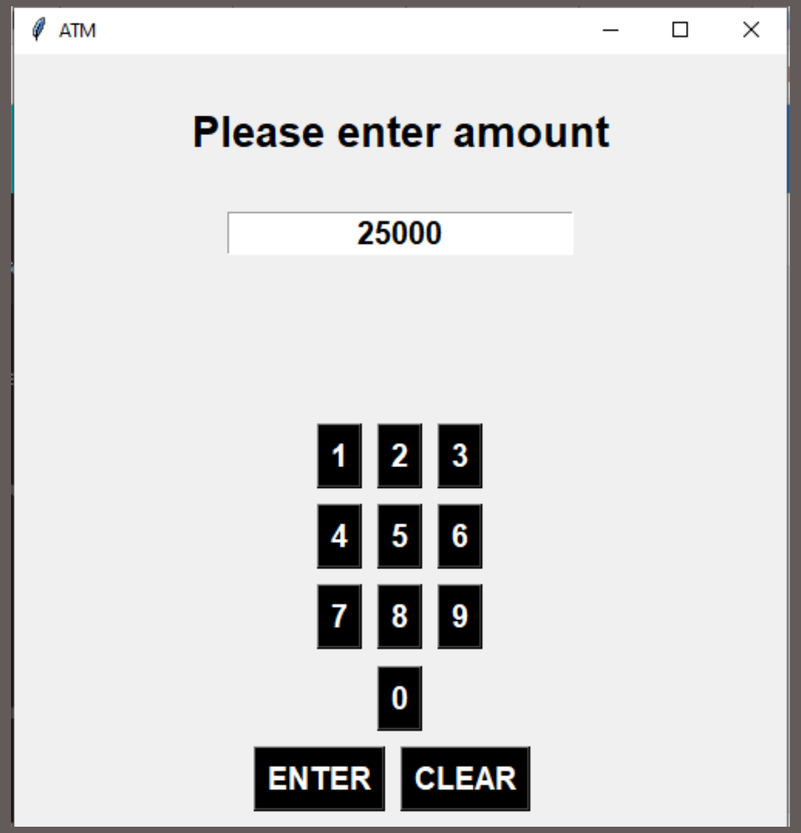

For a savings account the maximun withdrawal limit is 15,000

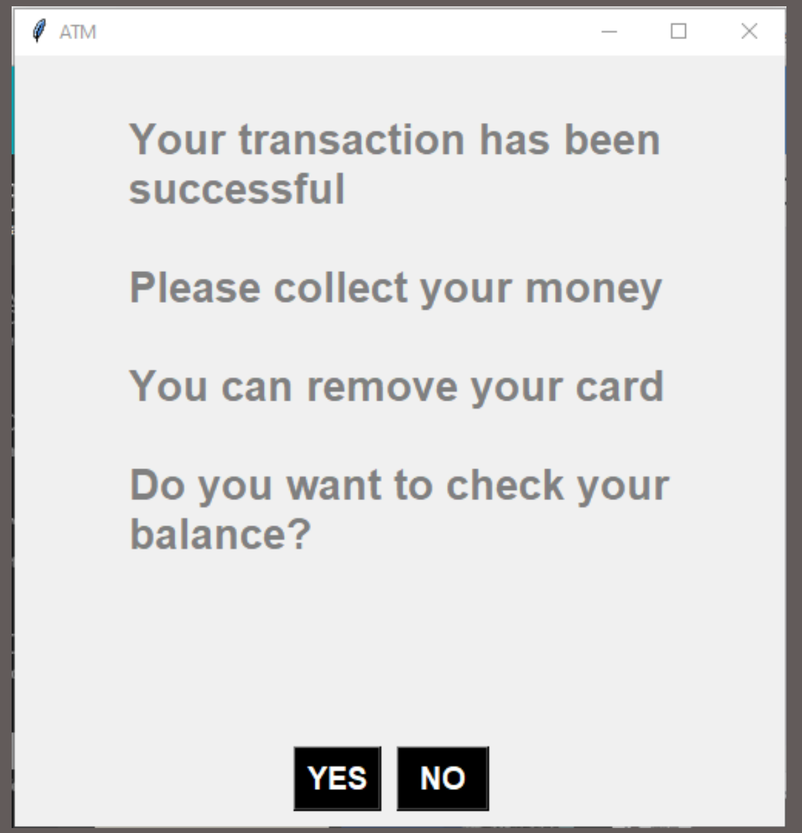
## Savings account balance




## Current account

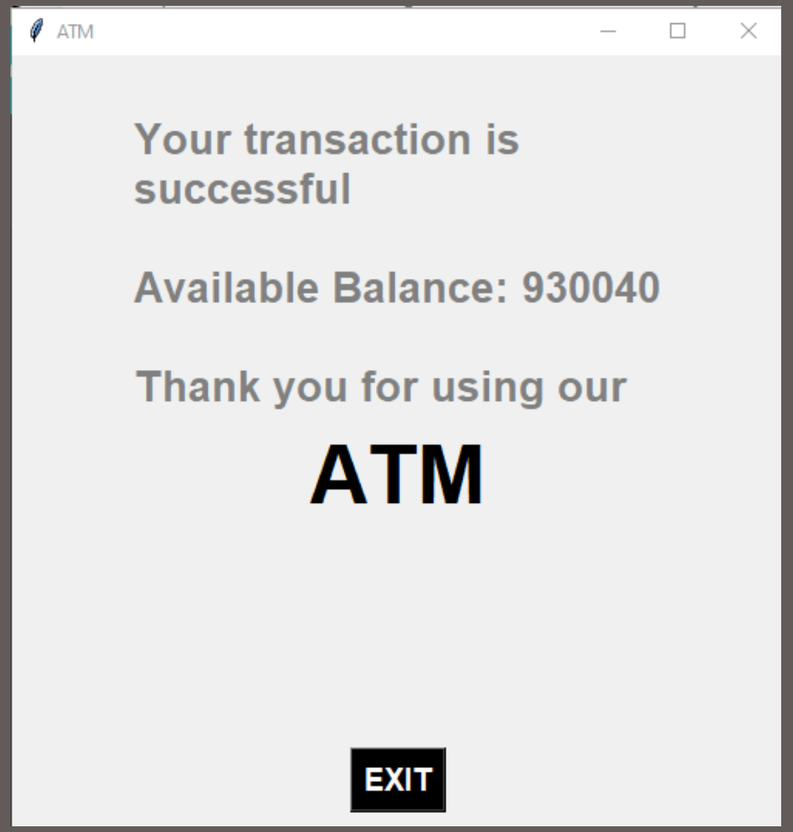




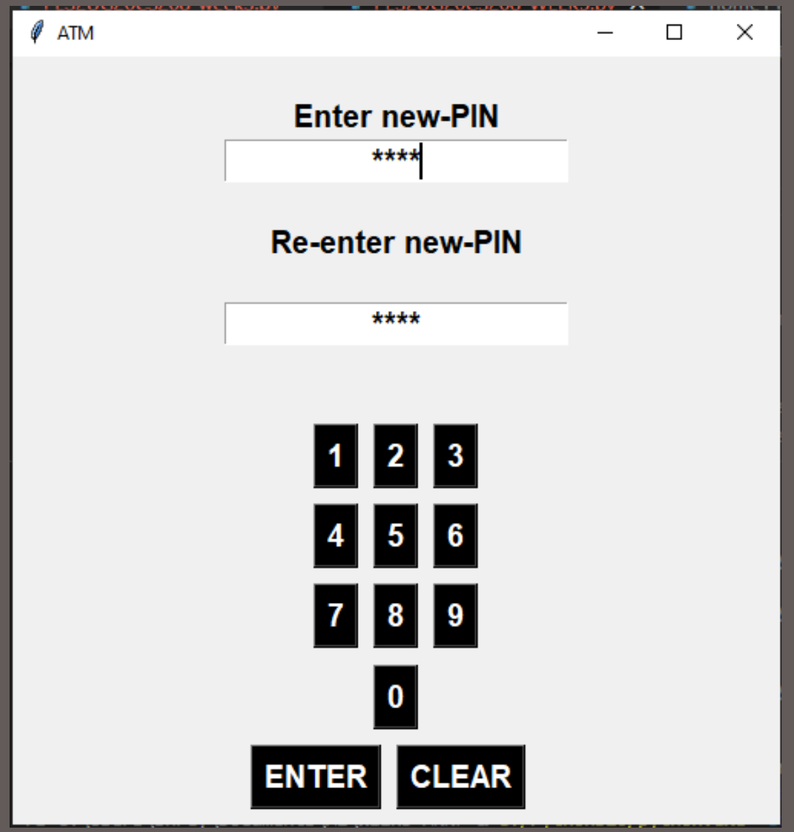



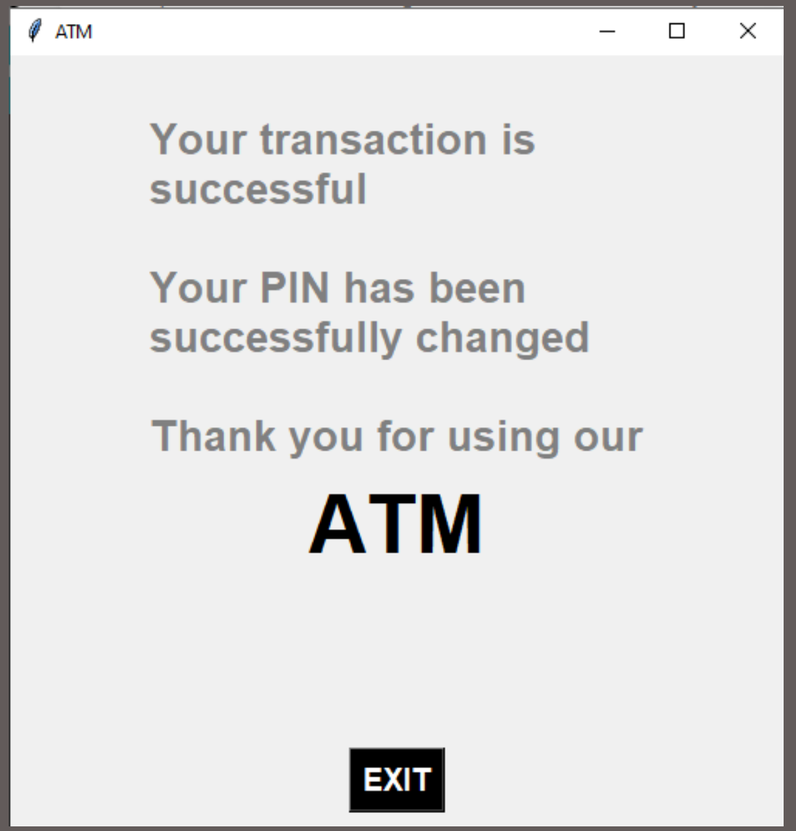

For a current account the maximun withdrawal limit is 30,000

## Current account balance



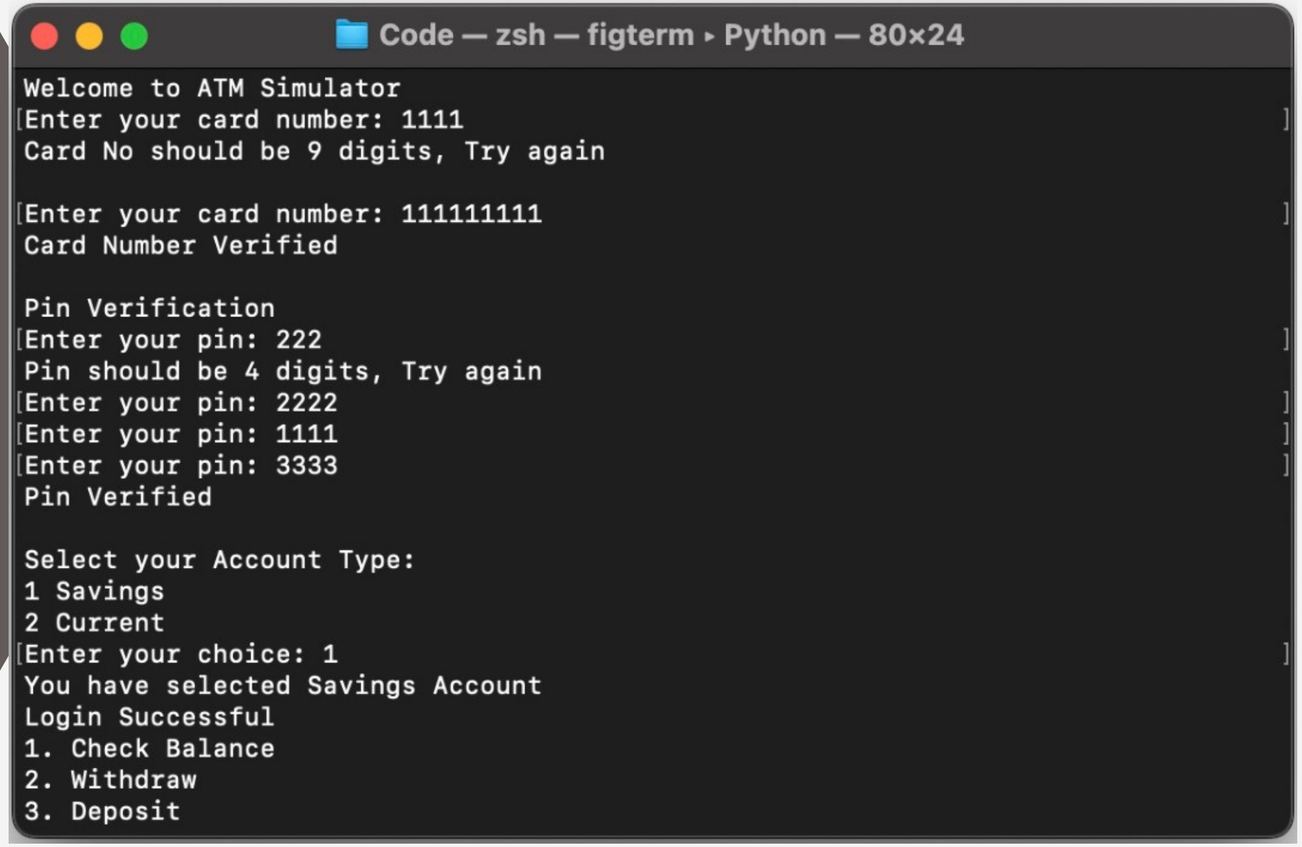

## Change PIN



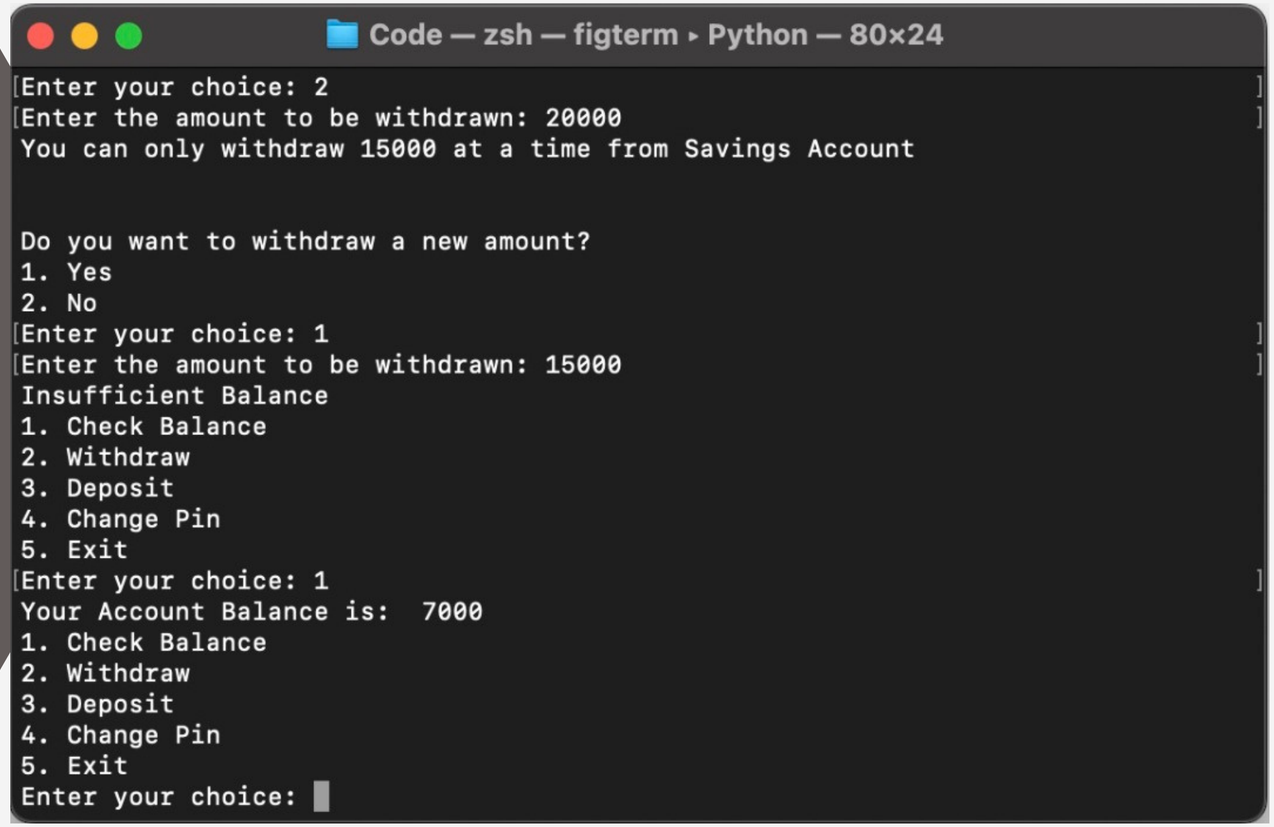

ATM
Your transaction is successful
Your PIN has been successfully changed
Thank you for using our
ATM
EXIT

# TESTING

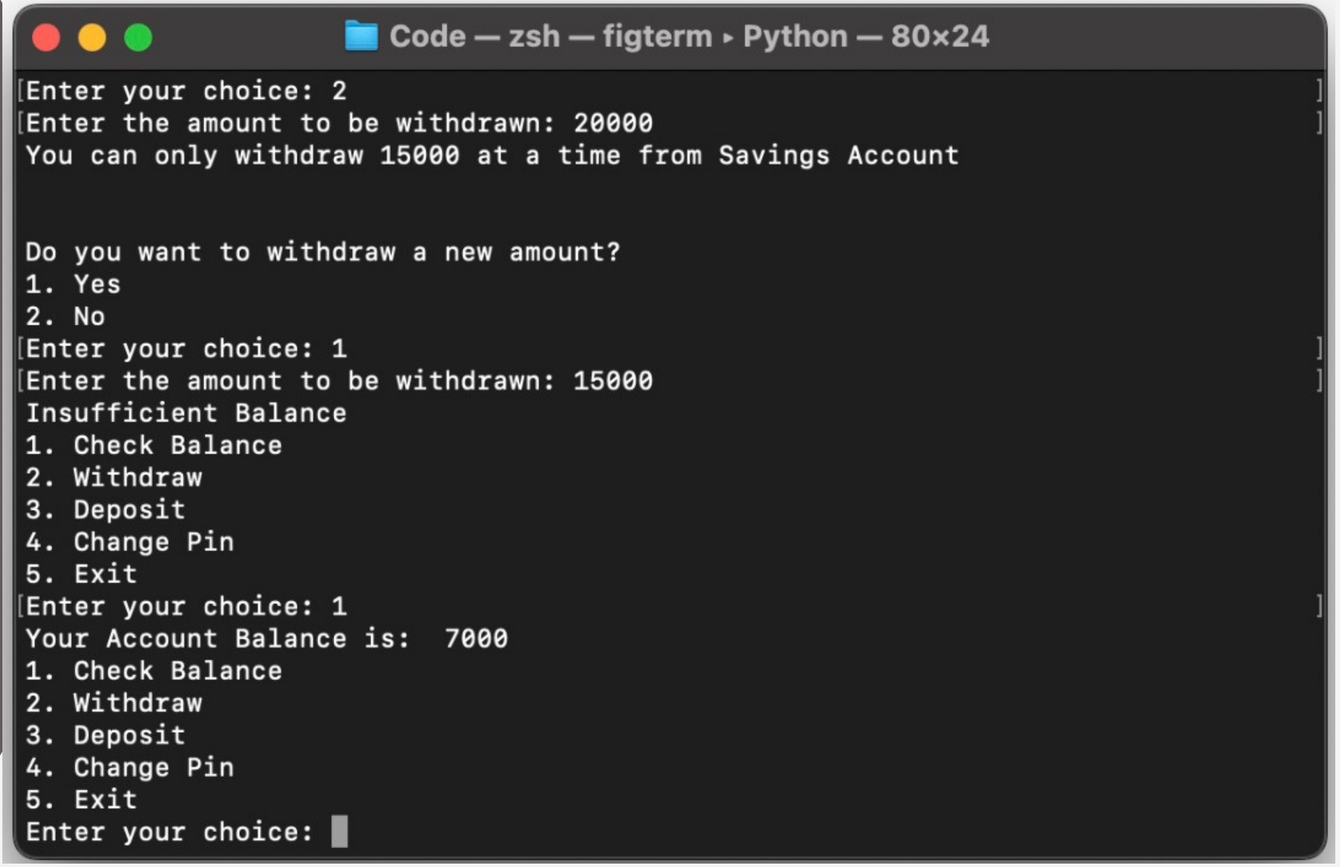
We have tested and made sure the code only accepts a 9-digit card number and a 4-digit PIN.



We have tested and made sure a maximum of 15,000 can be withdrawn from a savings account.



We have tested to make sure wrong pins are not accepted.



# CONCLUSION

This project helped us learn about teamwork, skills and documentation that goes into making software. Git and GitHub helped us manage and organise our code better, making it easier to share among the team as well.
Different types of testing and reverse engineering helped uncover bugs in the code that went unnoticed earlier.

# THANK YOU