A PROJECT

On

DEMONSTRATING ONLINE BANKING SYSTEM WITH EXCEPTION HANDLING WITH MONEY TRANSFER

Dissertation submitted in the partial fulfillment of the requirements

for the award of the degree of

BACHELOR OF TECHNOLOGY

By

DEPARTMENT OF PROJECTS

CHRISTINA NADA **CSPRPY15**

Under the esteemed Guidance of

Er. Y V D CHANDRA SEKHAR

Founder & Chief Executive Officer

CS CODENZ

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CS CODENZ

GUDIVADA – 521 323, ANDHRA PRADESH., INDIA

2023-2024

A MINOR PROJECT

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CERTIFICATE

This is to certify that dissertation entitled **"DEMONSTRATING ONLINE BANKING SYSTEM WITH EXCEPTION HANDLING WITH MONEY TRANSFER "** submitted by **Christina Nada (CSPRPY15)** in the partial fulfillment of the requirements for the award of the degree of **BACHELOR OF TECHNOLOGY** from **CS CODENZ** is a record of Bonafide work carried out by them under my guidance and supervision during the year 2022-2023. The result embodied in this dissertation have not been submitted by any other university or Institution for the award of any degree.

20/12/22

Signature of the Supervisor

Er. Y V D CHANDRA SEKHAR

Founder & CEO, CS CODENZ

FOUNDER & CEO
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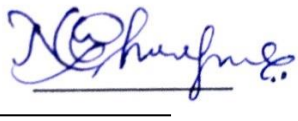
DECLARATION

I **Christina Nada (CSPRPY15)** declared that the dissertation report entitled **"DEMONSTRATING ONLINE BANKING SYSTEM WITH EXCEPTION HANDLING WITH MONEY TRANSFER"** is no more than 1,00,000 words in length including quotes and exclusive of tables, figures, bibliography, and references. This dissertation contains no material that has been submitted previously, in whole or in part, for the award of any other academic degree or diploma. Except where otherwise indicated this dissertation in our own work.

Roll No	**Name**	**Signature**
CSPRPY15	Christina Nada	

Date: 20/10/23

Place: Enikepadu

COs, POs and PSOs Mapping

Subject Name : Minor Project

Subject Code : PYCSCRT01

Academic Year : 2022 - 2023

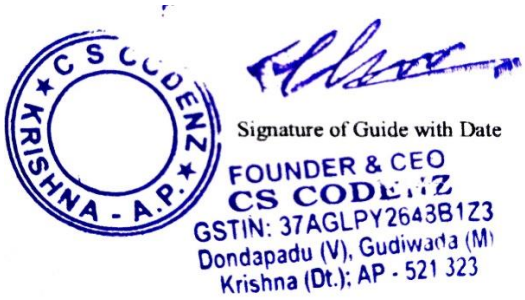
Subject Code	Course Outcomes	
PYCSCRT01	CO1	Formulate solutions to computing problems using latest technologies and tools
	CO2	Work effectively in teams to design and implement solutions to computational problems and socially relevant issues
	CO3	Recognize the social and ethical responsibilities of a professional working in the discipline
	CO4	Apply advanced algorithmic and mathematical concepts to the design and analysis of software
	CO5	Devise a communication strategy (language, content and medium) to deliver messages according to the situation and need of the audience.
	CO6	Deliver effective presentations, extemporaneous or impromptu oral presentations. Setting up technical reports using technical tools.

CO-PO-PSOs Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO 1	3	2	-	2	2	-	-	-	-	-	-	-	3	-	-
CO 2	2	3	-	2	2	-	-	-	-	-	-	-	3	-	-
CO 3	3	3	-	2	2	-	-	-	-	-	-	-	3	-	-
CO 4	3	3	-	2	2	-	-	-	-	-	-	-	3	-	-
CO 5	2	3	-	2	2	-	-	-	-	-	-	1	3	-	-
CO 6	2	3	2	2	3	-	-	-	2	2	2	2	3	-	-
Avg	**2.50**	**2.83**	**2.00**	**2.00**	**2.17**	**-**	**-**	**-**	**2.00**	**2.00**	**2.00**	**1.50**	**3.00**	**-**	**-**

Note: 1 – Good , 2 – Average, 3 - Excellent

Signature of Student
with Date 20-10-23



ACKNOWLEDGEMENT

This report dissertation could not have been written without the support of our guide **Er. Y V D Chandra Sekhar, Founder & CEO, CS CODENZ** who not only served as our superior but also encouraged and challenged us throughout our academic program our foremost thanks goes to his. Without his this dissertation would not have been possible. We appreciate him vast knowledge in many areas, and his insights, suggestions and guidance that helped to shape our research skills

It is needed with a great sense of pleasure and immense sense of gratitude that we acknowledge the help of these individuals. We owe many thanks to many people who helped and supported us during the writing of this report

We are thankful to our project coordinator **Er. Y V D Chandra Sekhar,** Founder & CEO, CS CODENZ, for his continuous support

We express our sincere thanks to our respected for bet valuable suggestion and constant motivation that greatly helped us in successful completion of project We also take the privilege to express our heartfelt gratitude to **Er. Y V D Chandra Sekhar, Founder & CEO,CS CODENZ**

We are thankful to all faculty members for extending their kind cooperation and assistance Finally, we are extremely thankful to our parents and friends for their constant helped moral support

Table Of Contents

ABSTRACT

The Primary objective of this "**DEMONSTRATING ONLINE BANKING SYSTEM WITH EXCEPTION HANDLING WITH MONEY TRANSFER** " is to get an idea And implement transferring money operation and checking balance.

As a student who is learning freshly we implemented how the mechanism of transactions take place what are the conditions and properties of phone pe and how it works. This project makes possible how online money transfer takes place and what is really happening behind the scenes.

Decades ago to perform any transaction everything used to work on paper. Everything used to happen with a lot of paper work and in a postal way. It would take weeks to perform single transactions because people should wait for their turn until the person before them completes all the paper work. This took a toll senior citizens and old people. Therefore we were introduced to online banking transaction system. Here transactions were made easy. And gave me such a joy to this this real time situation with the knowledge I knew.

PROBLEM STATEMENT

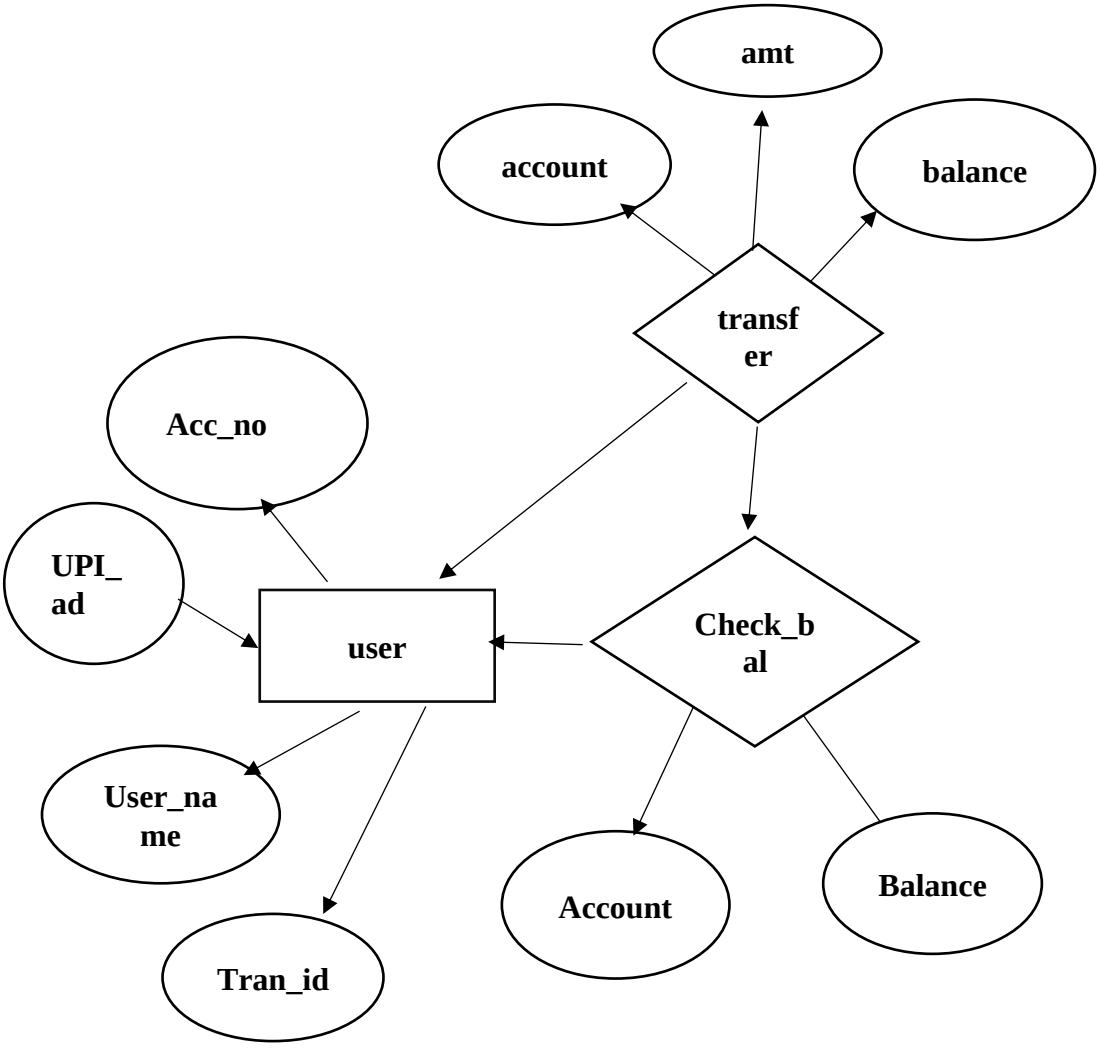
Decades ago to perform any transfer of money used to take a lot of work on paper. Everything used to happen with a lot of paper work and in a postal way. It would take weeks to perform single transfer because people should wait for their turn until the person before them completes all the paper work.

This took a toll senior citizens and old people. Therefore we were introduced to online banking transaction system. Here transfers were made easy. And gave me such a joy to this this real time situation with the knowledge I knew.

As a student who is learning freshly we implemented how the mechanism of transactions take place what are the conditions and properties of banking and how it works. This project makes possible how online money transactions takes place and what is really happening behind the scenes.

ER DIAGRAM

ER DIAGRAM FOR BANKING TRANSACTION



REQUIREMENTS

HARDWARE REQUIREMENTS

➢ Personal Computer / Laptop with minimum RAM (4 GB), ROM (128 GB) and Processor(i3)

➢ Good latency internet access

SOFTWARE REQUIREMENTS

- Spyder IDE

DESCRIPTION

CONDITIONAL STATEMENTS:

These are statements which can be executed on some condition.

These statements are executed only once.

These statements logically return Boolean values.

These are also known as flow control statements.

TYPES OF CONDITIONAL STATEMENTS:

Simple if

If else

Elif ladder

SIMPLE IF:

The statement checks only one condition and it returns only one value. If the condition is true, it will return true or else it returns nothing.

IF-ELSE :

This statement checks only one condition but returns values for true and false.

ELIF LADDER:

These statements makes it possible to check more than one condition.

EXCEPTION HALDELING:

This exception handling is nothing but letting the user know the kind of errors arose during run time.

There are two kinds of exceptions.

PRE DEFINED EXCEPTIONS

USER DEFINED EXCEPTIONS

PRE DEFINED EXCEPTIONS:

These exceptions are built-in exceptions which have a specific meaning.

There are many predefined exceptions.

Like..

- SyntaxError
- NameError
- IndexError
- KeyError
- ValueError
- AttributeError
- IOError
- ZeroDivisionError
- ImportError

USER DEFINED EXCEPTIONS:

In user defined exceptions we define our own exception at runtime at our required situation.

We can raise an exception by using “raise” keyword.

CODE:

DEFININING THE QUESTION:

Now we have to perform money transfer and showing balance and at last quit. After performing operations again we have to ask the user to perform the operation when the user gives quit as the input. For runtime errors like insufficient balance and transfer limit user defined exceptions are to be raised.

Code:

```
print("phone pe transfer made easy:")
print("choose from the following:")
print("\n1.Transfer monney\n2.Check Balance")
balance=100005
daily_transac=0
print("Name of the customer:Christina")
print("Name of the bank :JCJCJ")
print("IFSC code :789WRT875GS")
print("Account Number :14785296583")
 print("bank balance :",balance)
def display():
    print("your current balance:",balance)
def credit(amt):
     global balance balance += amt
print("succesfully deposited ${amt}")
 display()
def debit(amt):
    global balance
    if amt<= balance:
```

```
        balance -= amt
        print("successfully debited ${amt}")
    else:
        print("Insuficient balance:")
 while True:
print("\nSelect Operations")
print("1.Display balance\n2.credit\n3.debit\n4.exit")
n=int(input("your choice:"))
if n==1:
    display()
elif n==2:
    amt=int(input("Enter amount to be credited:"))
    credit(amt)
elif n==3:
    amt=int(input("Enter amount to be debited:"))
    debit(amt)
elif n==4:
    print("Thank you for visiting our bank. Good bye")
else: print("wrong input pls try again")
    while(True):
name=input("Enter reciever name:")
print("Total balance:",balance)
n=int(input("Enter your choice:"))
 if n==1:
      print("Money transfer:")
```

```
        amt=int(input("Enter amount to be transfered:"))
        if ( amt <= balance):
            balance=balance-amt
            print("Successfully transfered to",name)
            daily_transac+=amt
            if daily_transac>100000:
                raise Exception("Transactions exceeded")
        else:
            raise Exception("Cannot perform transfer")
            break
    elif n==2:
        print("Available balance:",balance)
    else:
        print("Wrong input!!")
```

OUTPUT:
CASE 1:
To raise exception for transfers exceeding more than 1lakh

```
Name of the customer:Christina
Name of the bank :JCJCJ
IFSC code :789WRT875GS
Account Number :14785296583
bank balance : 2000
Select Operations 1.Display balance 2.credit 3.debit 4.exit
your choice: 1
your current balance: 2000
phone pe transfer made easy:
choose from the following:

1.Transfer monney
2.Check Balance
```

```
Enter reciever name: shekhar
Total balance: 100005
Enter your choice:1
Money transfer:
Enter amount to be transfered:90000
Successfully transfered to shekhar

Enter reciever name: pavani
Total balance: 10005
Enter your choice:1
Money transfer:
Enter amount to be transfered:10005
Successfully transfered to pavani
Traceback (most recent call last):

  File ~\AppData\Local\Programs\Spyder\pkgs\spyder_kernels\py3compat.py:356
in compat_exec
    exec(code, globals, locals)

  File c:\users\sony\.spyder-py3\untitled5.py:18
    raise Exception("Transactions exceeded")

Exception: Transactions exceeded
```

CASE 2:

To raise exception for printing error message in performing transfer with low balance.

```
phone pe transfer made easy:
choose from the following:

1.Transfer monney
2.Check Balance
Enter reciever name: Er.Chandra shekhar
Total balance: 100005
Enter your choice:1
Money transfer:
Enter amount to be transfered:10000
Successfully transfered to Er.Chandra shekhar

Enter reciever name: swathi
Total balance: 90005
```

```
Enter your choice:1
Money transfer:
Enter amount to be transfered:80000
Successfully transfered to swathi

Enter reciever name:swathi
Total balance: 10005
Enter your choice:2
Available balance: 10005

Enter reciever name:Prabhavathi
Total balance: 10005
Enter your choice:1
Money transfer:
Enter amount to be transfered:10000
Successfully transfered to Prabhavathi

Enter reciever name:shilpa
Total balance: 5
Enter your choice:1
Money transfer:
Enter amount to be transfered:200
Traceback (most recent call last):

  File ~\AppData\Local\Programs\Spyder\pkgs\spyder_kernels\py3compat.py:356
in compat_exec
    exec(code, globals, locals)

  File c:\users\sony\.spyder-py3\untitled5.py:20
    raise Exception("Cannot perform transfer")

Exception: Cannot perform transfer
```

CONCLUSION

Therefore by implementing online money transfer we can avoid all the problems regarding offline banking system.

Transfer of money can be made available to everyone who have the access of technology and are educated.

Now-a-days interfaces have become so simple that even senior citizens are able to understand and maintain their money.

We have implemented this logic using python programming using USER DEFINED EXCEPTIONS.

SUMMARY

We have implemented this project by using functions and function calling mechanism.

Three different operations as three different functions and calling each function at the desirable place in the code.
.

If the balance becomes nill or there is no sufficient balance then the code returns error message.

We can perform credit operation. Here the amount to be credited is added to the balance amount.

The exit operations thanks the client for performing transaction operations and quits.

If the transactions exceed more than 1 lakh that day then we print error message.