EduBridge



A Project

Report On

ATM Interface

By

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EduBridge

Introduction:

An Automated Teller Machine (ATM) Interface System allows customer to perform banking transaction anywhere at anytime without the need of human teller. By using ATM card at an ATM, individuals can withdraw cash from saving accounts. To make a deposit or transfer money from one account to another and perform other functions also.

Modules:-

• User Module

I have developed this Application in **Java and MySQL**. This project is a console based application.

The main objective of the ATM Interface System is to reduce manual work and time. It is difficult and time-consuming to transect our money from each branch bank account. To avoid this problem, we use ATM Machine . In our user module first the user will insert the ATM card in the ATM machine. Then the ATM will ask for Personal Identification Number(PIN).

If the number is entered incorrectly most ATMs will retain the card for security precaution. Once the correct pin is given the ATM ask some perfume about account.

If you want to know the account balance you perform the balance check task, it will give the current balance.

If you want to withdraw amount, you can move that option. After then the ATM will ask for the amount of money to be withdrawn. If account haven't contain that much of money, the insufficient balance message will display.

If you want to deposit some money, you can choose deposit option. ATM ask some amount of money with deposit process, after the completion that amount will add in your account. You can perform more options and access some bank details as per ATM machine versions.

Software Requirements:

Back end: MySQL workbench 8.0 CE, JAVA jdk version 19

Text Editor: Eclipse IDE for Java Developers

Browser: Best result on Google Chrome

Operating System: Windows 10

Data Dictionary:

Create Database ATM Users:

```
MySQL 8.0 Command Line Client - Unicode
Enter password: ****
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 374
Server version: 8.0.31 MySQL Community Server - GPL
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> select * from atmdatabase.atmuser;
  AtmId | AtmUserName | AtmUserMbNum | AtmPin | AccBal | BankName |
    1234
5051
5432
5678
9876
                                      1111122222
5555511111
5555544444
5555566666
9999988888
                                                                  1111
5555
5454
5555
                                                                                            ABC Bank
TPT Bank
XYZ Bank
ECR Bank
                                                                                 1000
5000
4000
                Arjun
                Karan
                Tharun
                                                                                 2000
3000
                Anjali
                                                                                            ADK Bank
                                                                  9999
                Manish
  rows in set (0.00 sec)
mysql>
```

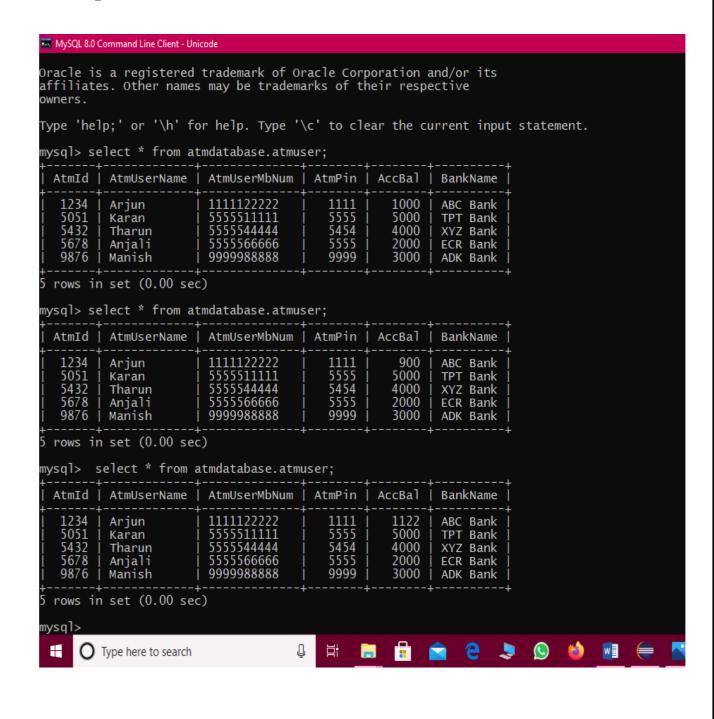
After Withdraw Database:

mysql> select * from atmdatabase.atmuser;							
AtmId	AtmUserName	AtmUserMbNum	AtmPin	AccBal	BankName		
1234 5051 5432 5678 9876 + 5 rows ir	Arjun Karan Tharun Anjali Manish 	1111122222 5555511111 5555544444 5555566666 999998888	1111 5555 5454 5555 9999	900 5000 4000 2000 3000	ABC Bank TPT Bank XYZ Bank ECR Bank ADK Bank		

After Deposit Database:

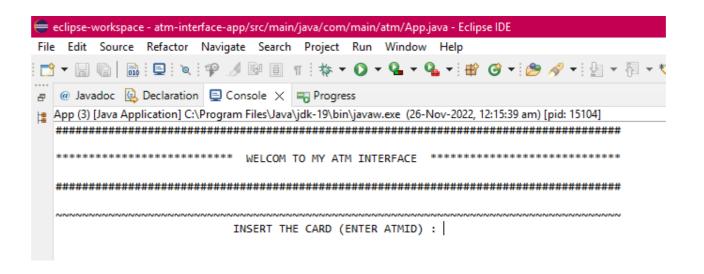
vsql> select * from atmdatabase.atmuser;								
AtmId AtmUserName	AtmUserMbNum	AtmPin	AccBal	BankName				
1234 Arjun 5051 Karan 5432 Tharun 5678 Anjali 9876 Manish	1111122222 5555511111 5555544444 5555566666 9999988888	1111 5555 5454 5555 9999	1122 5000 4000 2000 3000	ABC Bank TPT Bank XYZ Bank ECR Bank ADK Bank				
+	+	++		++				

ATM process Database:

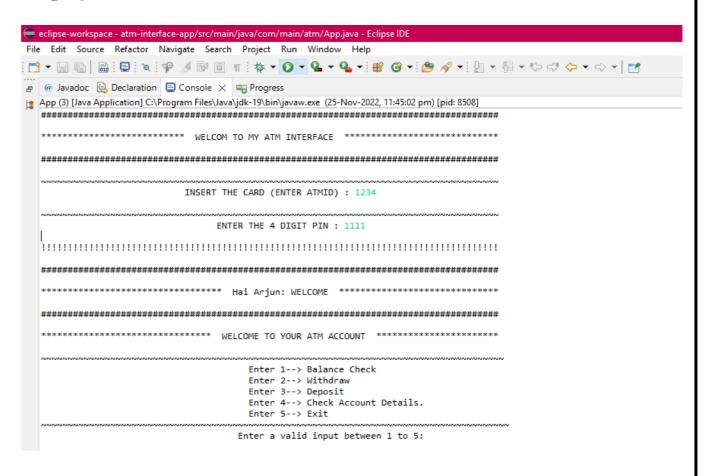


Console Screenshots:-

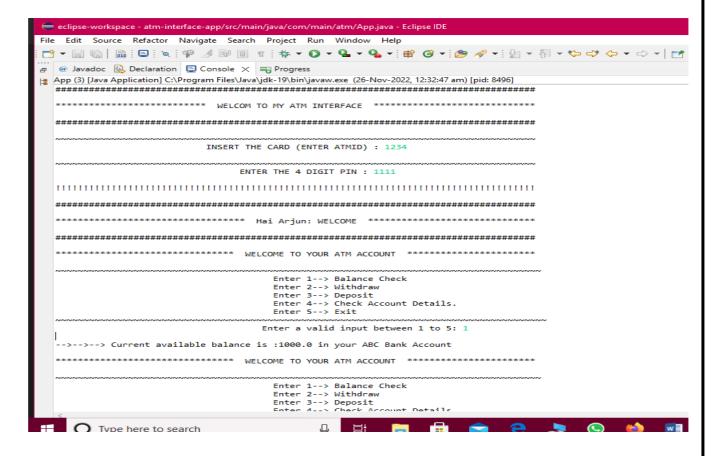
Interface without input:



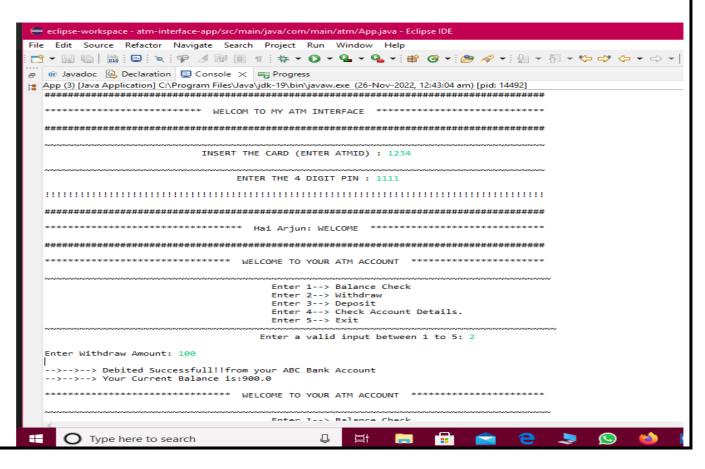
Display after enter PIN:



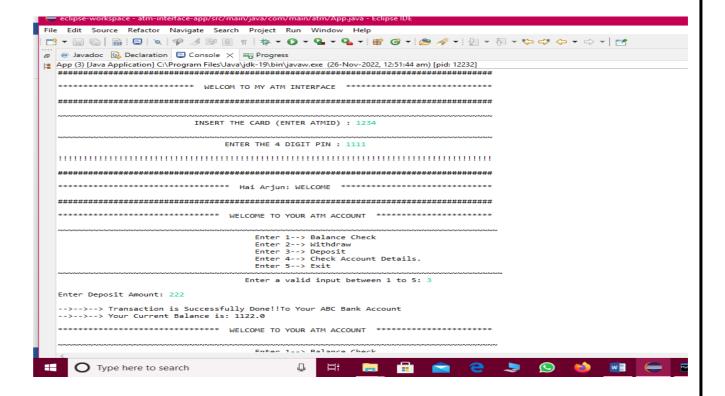
Balance Checking:



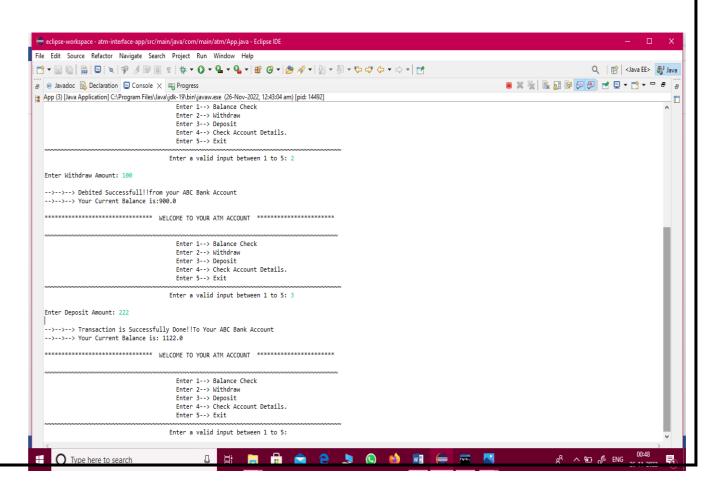
Withdraw process:



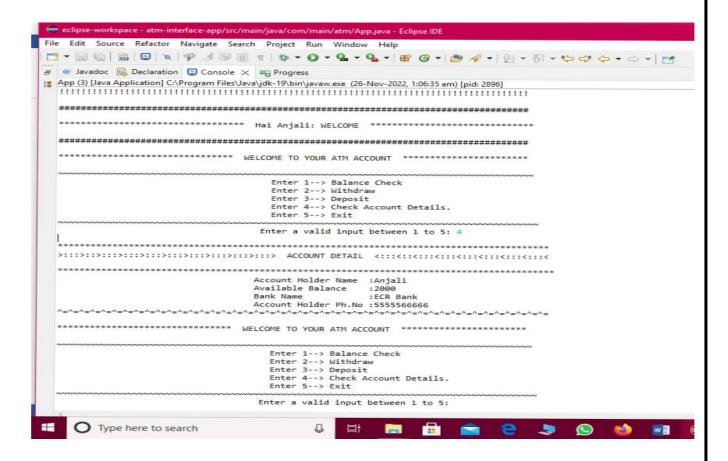
Deposit process:



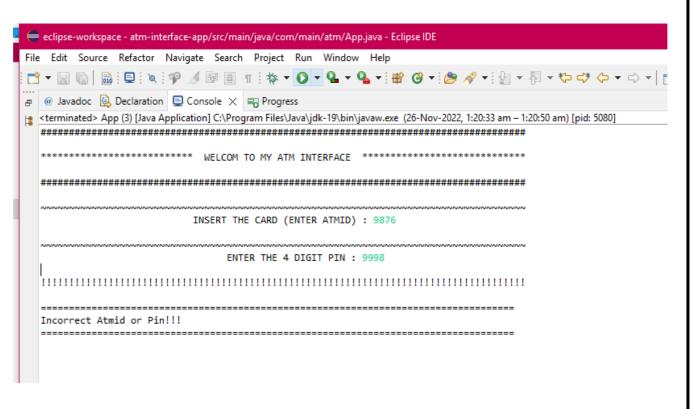
Withdraw and deposit in one operation:



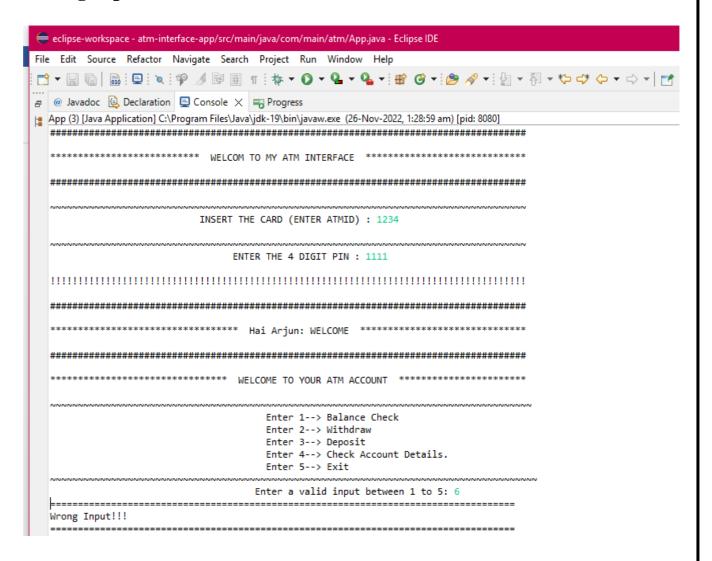
ATM user details:



Wrong PIN:



Wrong Input:



EXIT:

