

EduBridge



A Project

Report On

ATM Interface

By

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Introduction:

An Automated Teller Machine (ATM) Interface System allows customers 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 After then the ATM will ask for the amount of money to be withdrawn.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 11

Data Dictionary:

- Create Database Atm Interface :

```
MySQL 8.0 Command Line Cll x + v
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 121
Server version: 8.0.31 MySQL Community Server - GPL

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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> use atminterfacedb;
Database changed
mysql> select * from atmdb;
```

accountnumber	accountname	pin	bankname	balance
987654	prem	3456	state bank	55000
9876543	raghu	2345	Indian bank	45000
98765432	varun	9876	Karnataka bank	35000
987654321	tialk	1234	Mysore Bank	25000

After Withdraw Database:

```
mysql> select * from atmdb;
```

accountnumber	accountname	pin	bankname	balance
987654	prem	3456	state bank	45000
9876543	raghu	2345	Indian bank	45000
98765432	varun	9876	Karnataka bank	35000
987654321	tialk	1234	Mysore Bank	25000

```
4 rows in set (0.00 sec)

mysql>
```

After Deposit Database:

```
mysql> select * from atmdb;
```

accountnumber	accountname	pin	bankname	balance
987654	prem	3456	state bank	65000
9876543	raghu	2345	Indian bank	45000
98765432	varun	9876	Karnataka bank	35000
987654321	tialk	1234	Mysore Bank	25000

```
4 rows in set (0.00 sec)
```

Screenshots:-

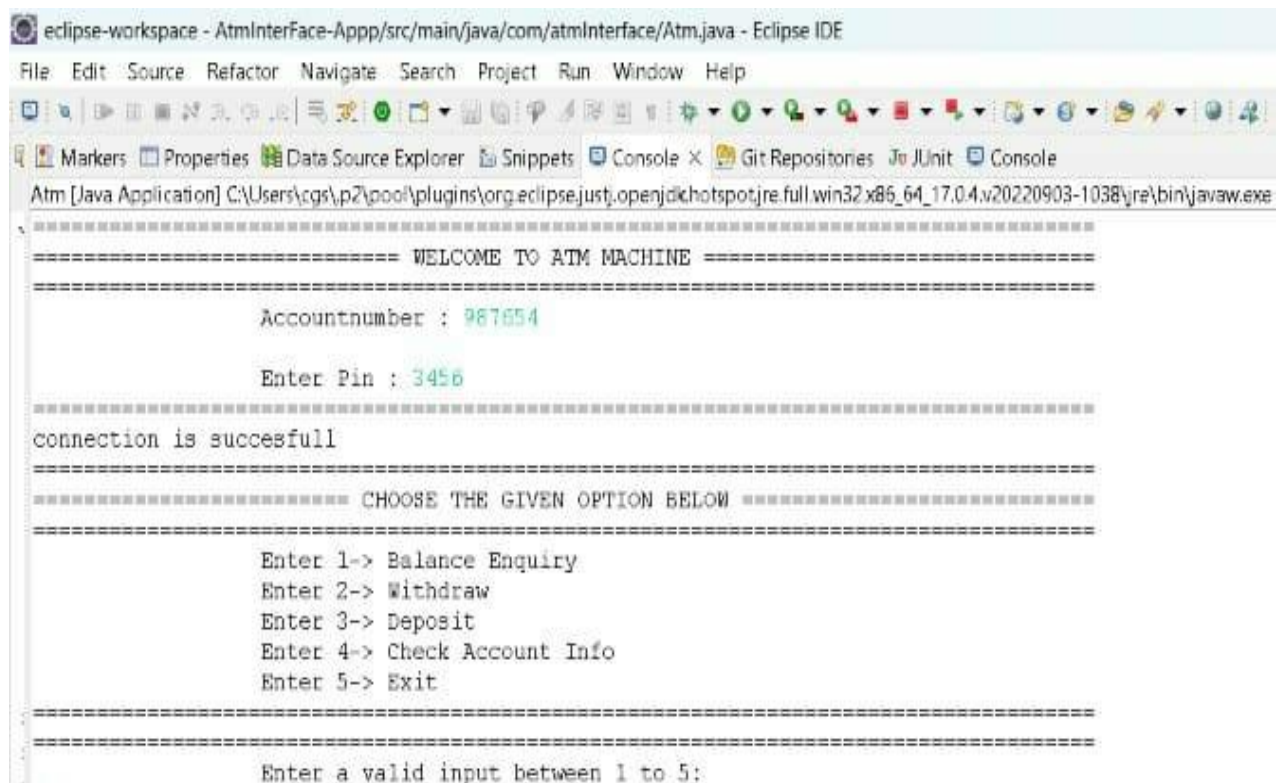
Interface without input:



The screenshot shows the Eclipse IDE interface with the 'Atm [Java Application]' running in the console. The console output displays a welcome message and a prompt for the account number.

```
eclipse-workspace - AtmInterface-Apppp/src/main/java/com/atmInterface/Atm.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Data Source Explorer Snippets Console X Git Repositories JUnit Console
Atm [Java Application] C:\Users\cgs\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (28-Nov-2022, 5:16:22 pm) [pid: 6664]
===== WELCOME TO ATM MACHINE =====
=====
Accountnumber :
```

Display after enter PIN:



The screenshot shows the Eclipse IDE interface with the 'Atm [Java Application]' running in the console. The console output displays the welcome message, the account number, the entered PIN, a success message, and a menu of options.

```
eclipse-workspace - AtmInterface-Apppp/src/main/java/com/atmInterface/Atm.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Data Source Explorer Snippets Console X Git Repositories JUnit Console
Atm [Java Application] C:\Users\cgs\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe
===== WELCOME TO ATM MACHINE =====
=====
Accountnumber : 967654
Enter Pin : 3456
=====
connection is succesfull
=====
===== CHOOSE THE GIVEN OPTION BELOW =====
=====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
=====
=====
Enter a valid input between 1 to 5:
```

Balance Checking:

```
1
Enter valid pin number:
3456
connection is successfull
Current available balance is :50000.0
===== CHOOSE THE GIVEN OPTION BELOW =====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
```

Withdraw process:

```
-----
Enter a valid input between 1 to 5:
2
Enter valid pin number:
3456
Enter withdraw amount:
10000
connection is successfull
Transaction successfull!!
Remaining balance is:40000.0
=====
```

Deposit process:

```
-----
Enter a valid input between 1 to 5:
3
Enter valid pin number:
3456
Enter deposit amount:
15000
connection is successfull
Transaction successfull!!
New balance is:55000.0
=====
```

Check Account information:

```
=====
Enter a valid input between 1 to 5:
4
Enter valid pin number:
3456
=====
===== ACCOUNT DETAIL's =====
=====
connection is succesfull
Account Number :987654
Account Name :prem
Bank Name : state bank
Available Balance :55000.0
=====
```

Exit:

```
=====
===== CHOOSE THE GIVEN OPTION BELOW =====
=====
Enter 1-> Balance Enquiry
Enter 2-> Withdraw
Enter 3-> Deposit
Enter 4-> Check Account Info
Enter 5-> Exit
=====
Enter a valid input between 1 to 5:
5
=====
Thank you for using ATM Machine
=====
```

Thank you....

Suggestions?....