

EduBridge



A Project

Report On

ATM INTERFACE

By

Batch: 2022 – 7905

Center: T h i r u c h i r a p p a l l i

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Introduction:

- Automated teller machines (ATMs) are well known devices typically used by individuals to carry out a variety of personal and business financial transactions and/or banking functions.
- ATMs have become very popular with the general public for their availability and general user friendliness.
- ATMs are now found in many locations having a regular or high volume of consumer traffic. For example, ATMs are typically found in restaurants, supermarkets, Convenience stores, malls, schools, gas stations, hotels, work locations, banking centers, airports, entertainment establishments, transportation facilities and a myriad of other locations.
- ATMs are typically available to consumers on a continuous basis such that consumers have the ability to carryout their ATM financial transactions and/or banking functions at any time of the day and on any day of the week.for this purpose we are using face recognition step with haar cascade classifier to find out thefeatures of face.when face is detected then it will give acces to do transactions otherwise not allow.

. Modules:-

- BALANCE CHECK MODULE
- WITHDRAW MODULE
- DEPOSIT MODULE
- CHECK ACCOUNT INFO. MODULE
- LOGOUT MODULE

I have developed this Application in **Java, and MySQL.**

BALANCE CHECK MODULE :

Bank balance check is necessary to know how much money is left in your bank account.

There are various methods to check balance in your bank account.

Online:- Logging into your net banking account.Using UPI apps.Via mobile banking.

Offline:- ATM using your debit card.

WITHDRAW MODULE :

Cash Withdrawal means any amount obtained by use of the Debit Card or the PIN or in any manner authorised by the Debit Cardholder from an ATM, the Bank or any other bank or financial institution for debit to the Account.

ATM Withdrawal means a Card Transaction in which you receive money from an ATM. By using your Physical Revolut Card and Card PIN you can obtain cash internationally from an ATM.

DEPOSIT MODULE:

A deposit is money you put into your bank account. Bank deposits are a savings product that customers can use to hold an amount of money at a bank for a specified length of time.

You can also deposit money in your ATM. There are two ways to deposit money in ATM – with and without the ATM card.

CHECK ACCOUNT INFO. MODULE :

Account Information means any information relating to the Account including without limitation to the Account number, Account balance or value, gross receipts, withdrawals and payments to or from the Account.

Details of each transaction notably the amount, date, and payee that took place in the bank account during the period will also be included, such as deposits, checks paid, and any service charges.

LOGOUT MODULE :

Logging out ensures your account cannot be accessed without your permission after you leave your bank account.

It is necessary to logout your account after the use otherwise it may lead to malpractice.

Software Requirements:

Front end: Java

Back end: MySQL workbench 8.0 CE.

Browser: Best result on Google Chrome

Operating System: Window

Data Dictionary:

- Create Database `atminterfacedb`;

```
mysql> use atminterfacedb;
Database changed
mysql> describe atm;
```

Field	Type	Null	Key	Default	Extra
ACCOUNT_NUMBER	bigint	NO	PRI	NULL	
ACCOUNT_NAME	varchar(50)	NO		NULL	
CARD_NUMBER	varchar(50)	NO	UNI	NULL	
PIN	varchar(10)	NO		NULL	
IFSE_CODE	varchar(20)	NO		NULL	
PAN_NUMBER	varchar(20)	NO		NULL	
MOBILE_NUMBER	bigint	NO	UNI	NULL	
CARD_VALID_DATE	varchar(10)	NO		NULL	
GENDER	varchar(10)	NO		NULL	
ADDRESS	varchar(100)	NO		NULL	
EMAIL	varchar(50)	NO	UNI	NULL	
BRANCHH	varchar(100)	NO		NULL	
BALANCE	double	NO		NULL	

```
13 rows in set (0.01 sec)

mysql>
```

```
mysql> select*from atm;
```

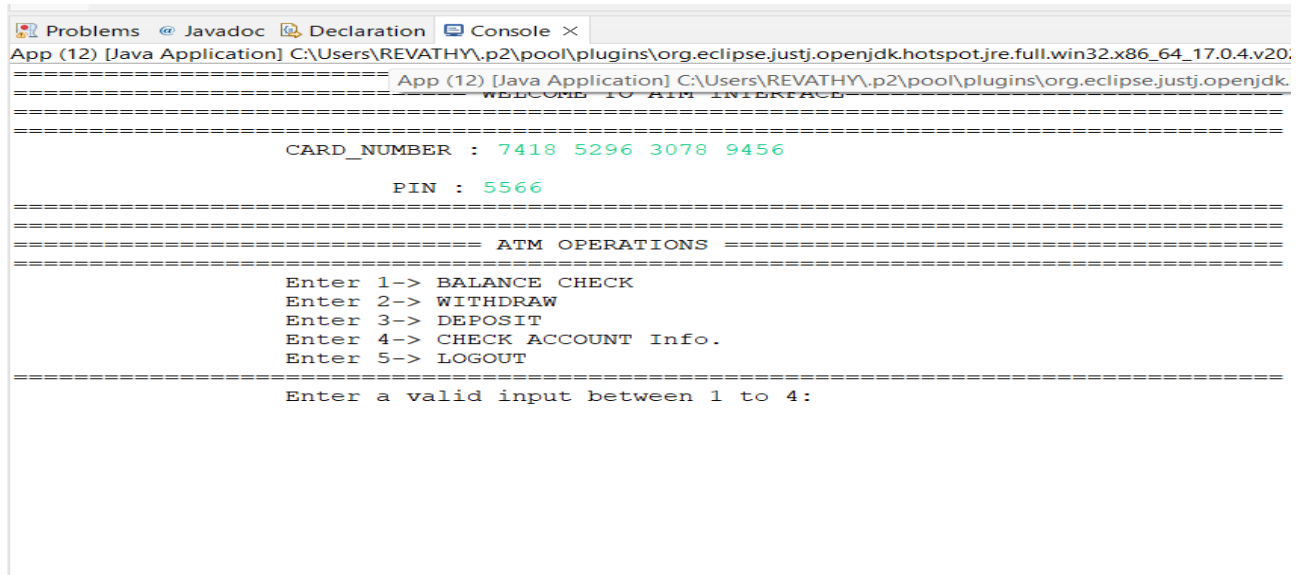
ACCOUNT_NUMBER	ACCOUNT_NAME	CARD_NUMBER	PIN	IFSE_CODE	PAN_NUMBER	MOBILE_NUMBER	CARD_VALID_DATE	GENDER	ADDRESS	EMAIL	BRANCHH	BALANCE
6935824719	BHUVANESH RAM	7418 5296 3078 9456	5566	IDIB000K8524	7894561230	8675 958246	22/30	MALE	22/7 A.D.K street,kancheepuram	ram@gmail.com	KANCHEEPURAM	8000

```
1 row in set (0.00 sec)

mysql>
```

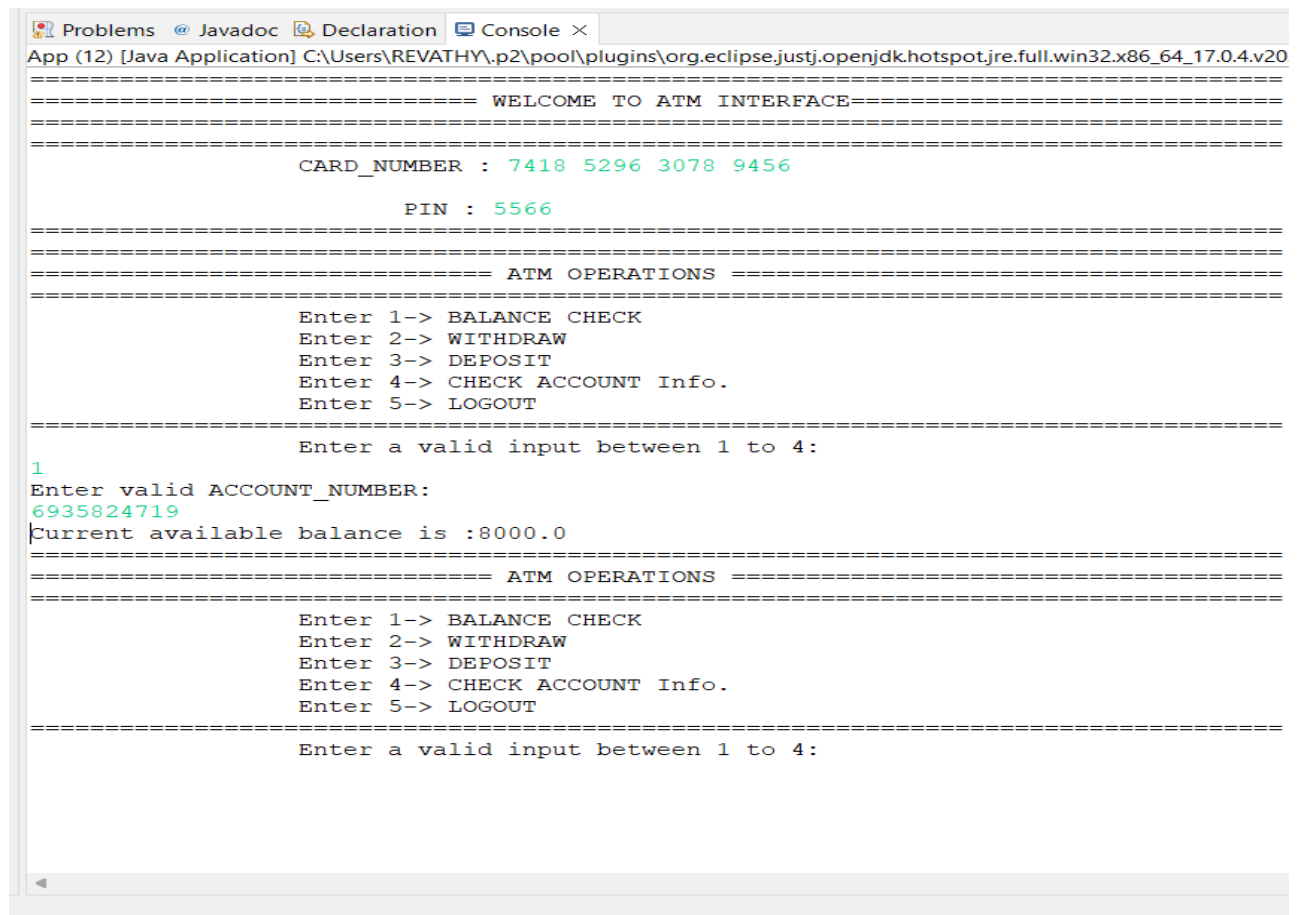
CONSOLE:-

Screenshots: 1



```
App (12) [Java Application] C:\Users\REVATHY\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20...
=====
WELCOME TO ATM INTERFACE
=====
CARD_NUMBER : 7418 5296 3078 9456
PIN : 5566
=====
ATM OPERATIONS
=====
Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT
=====
Enter a valid input between 1 to 4:
```

Screenshots: 2



```
App (12) [Java Application] C:\Users\REVATHY\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20...
=====
WELCOME TO ATM INTERFACE=====
=====
CARD_NUMBER : 7418 5296 3078 9456
PIN : 5566
=====
ATM OPERATIONS
=====
Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT
=====
Enter a valid input between 1 to 4:
1
Enter valid ACCOUNT_NUMBER:
6935824719
Current available balance is :8000.0
=====
ATM OPERATIONS
=====
Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT
=====
Enter a valid input between 1 to 4:
```

Screenshots: 3

```
Problems @ Javadoc Declaration Console ×
App (12) [Java Application] C:\Users\REVATHY\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20
=====
===== WELCOME TO ATM INTERFACE =====
=====
CARD_NUMBER : 7418 5296 3078 9456
PIN : 5566
=====
===== ATM OPERATIONS =====
=====
Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT
=====
Enter a valid input between 1 to 4:
2
Enter valid ACCOUNT_NUMBER:
6935824719
Enter withdraw amount:
1000
Transaction successfull!!
Remaining balance is:7000.0
=====
===== ATM OPERATIONS =====
=====
Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT
=====
Enter a valid input between 1 to 4:
```

Screenshots: 4

```
Problems @ Javadoc Declaration Console ×
App (12) [Java Application] C:\Users\REVATHY\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v2
=====
===== WELCOME TO ATM INTERFACE =====
=====
CARD_NUMBER : 7418 5296 3078 9456
PIN : 5566
=====
===== ATM OPERATIONS =====
=====
Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT
=====
Enter a valid input between 1 to 4:
3
Enter valid ACCOUNT_NUMBER:
6935824719
Enter deposit amount:
1000
Transaction successfull!!
New balance is:8000.0
=====
===== ATM OPERATIONS =====
=====
Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT
=====
Enter a valid input between 1 to 4:
```

Screenshots: 5

```
Problems @ Javadoc Declaration Console ×
App (12) [Java Application] [pid: 5852]

=====
===== WELCOME TO ATM INTERFACE=====
=====

CARD_NUMBER : 7418 5296 3078 9456

PIN : 5566

=====
===== ATM OPERATIONS =====
=====

Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT

=====

Enter a valid input between 1 to 4:
4
Enter valid ACCOUNT_NUMBER:
6935824719
=====
===== ACCOUNT DETAIL =====
=====

ACCOUNT_NUMBER :6935824719
NAME :BHUVANESH RAM
IFSE_CODE :IDIBOOK8524
PAN_NUMBER :7894561230
MOBILE_NUMBER :8675958246
CARD_VALID_DATE :22/30
ADDRESS :22/7 A.D.K street,kancheepuram
EMAIL :ram@gmail.com
BRANCHH :KANCHEEPURAM
AVAILABLE BALANCE:8000.0

=====
=====
```

Screenshots: 6

```
Problems @ Javadoc Declaration Console ×
<terminated> App (12) [Java Application] C:\Users\REVATHY\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x8
=====
===== WELCOME TO ATM INTERFACE=====
=====

CARD_NUMBER : 7418 5296 3078 9456

PIN : 5566

=====
===== ATM OPERATIONS =====
=====

Enter 1-> BALANCE CHECK
Enter 2-> WITHDRAW
Enter 3-> DEPOSIT
Enter 4-> CHECK ACCOUNT Info.
Enter 5-> LOGOUT

=====

Enter a valid input between 1 to 4:
5
=====
You have successfully logged out!!
Bye
=====
```


Thank you....

Suggestions?.....