

ATM CARD MANAGEMENT SYSTEM

Team Name: Beginners

Team Members:

- Dave Prades
- Brianna Carlota Tabuena
- Caroline Munar

Project Description: This project ATM is an electronic banking outlet that allows customers to complete basic transactions without the aid of branch representative or teller, ATM are convenient allowing consumers to perform quick self-service transactions. Such as deposit, cash withdrawal, and transfer between accounts. Some of all these fees can be provided by using an ATM operated directly by the banks.

Features/Functionality:

- Login
- Show Balance
- Deposit
- Withdraw
- Transaction

Basic Classes

- ATM
- Account/Customer
- Transaction
- Service

Class Diagram

Team Member Contribution:

- Dave Prades
 - ATM and Account
- Brianna Carlota Tabuena
 - Transaction
 - Class Diagram
- Caroline Munar
 - Class Diagram

ATM

-atmID: int
-bankName: String
-location: String
+Atm()
+Bank(atmID : int, bankName : String, location : String)
+getAtmID(): int
+getBankName():String
+getLocation():String
+setAtm()AtmID : int) : void
+setBankName(bankName : String) : void
+setLocation(location : String) : void
+print() : void
+displayBank() : void
+add() : Boolean
+get(searchID) : Atm
+viewAll():void
+printRow() : void

ACCOUNT

-id: int
-name: String
-address: String
-acc_num : int;
-pin:int
-accountType : String
-initialDeposit: double
-bank:Bank
+Account()
+Account(bank : Bank, id : int, name : String, address : String, acc_num : int, pin : int, accountType : String, initialDeposit : double)
+getBank(): Bank
+getID() : int;
+getName():String
+getAddress():String
+getAccNum() : int
+getPin() : int
+getAccountType() : String
+getInitialDeposit() : double
+setBank(bank: Bank) : void
+setID(id : int) : void
+setName(Name : String) : void
+setAddress(Address : String) : void
+setAccNum(acc_num : int) : void
+setPin(pin : int) : void
+setAccountType(accountType : String) : void
+setInitialDeposit(initialDeposit: double):void
+print() : void
+display() : void
+disp():void
+add() : Boolean
+get(searchAccNum) : Account
+get(SearchAccNum, serachPin):Account
+viewAll():void
+printRow() : void
+printRowws() : void

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0..*

1

0..*

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0..*

TRANSACTION

-transactionID-string
-fromAccountNo-String
-toAccountNo-string
-typecode-string
-amount-string
-credits-string
+transaction-(String transactionId, String fromAccountNo, String toAccountNo, String typecode, String amount)
+transaction-(String transactionId, String fromAccountNo, String toAccountNo)
+transaction(String typecode, String amount) +getAmount():double
+getTransaction():transaction
+getFromAccountNo():fromAccountNo
+ getToAccountNo:toAccountNo
+getTypecode: typecode
+computeTransaction:Double

SERVICE

Sample Runs

Account/Costumer

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Command Prompt - java Runnable

A C C O U N T ! ! ! ! ! :

Enter Bank ID: 111

Enter your Customer Id: 121
Enter Name: Dave Prades
Enter Address: Nabua
Enter your account number: 1902651
Enter your Pin: 12345
Enter Account Type: Savings
Enter Initial Deposit: 5000

Succesfully Created an Account

Press Any Character then Press Enter to Continue....
```

Show Balance

```
Command Prompt - java Runnable
Your Current Balance is: 10000.0
*****
Menu:
[0] Exit Program
[1] Create Account
[2] Log In
[3] Show Balance
[4] Deposit
[5] Withdraw
Enter Choice:
```

Deposit

```
Command Prompt - java Runnable
Please Enter The Amount to Deposit: 10000
You have successfully Deposited 10000.0
Now your Balance is 20000.0
*****
Menu:
[0] Exit Program
[1] Create Account
[2] Log In
[3] Show Balance
[4] Deposit
[5] Withdraw
Enter Choice:  
```

Withdraw

```
Command Prompt - java Runnable
Please Enter the Amount to Withdraw:2000
You have successfully Withdraw 2000.0
Now your Balance is 8000.0
*****
Menu:
[0] Exit Program
[1] Create Account
[2] Log In
[3] Show Balance
[4] Deposit
[5] Withdraw
Enter Choice:
```

Transaction

```
Select Command Prompt - java Runnable
Transaction ID: BOT-8-25375-2aw
From Account No.: TGC-8-29142-BJR
To Account No.: ABX-4-56781-LMN
Code: 1802651
Amount: P 10,000.00
transaction: 50.0
*****
Menu:
[0] Exit Program
[1] Create Account
[2] Log In
[3] Show Balance
[4] Deposit
[5] Withdraw
[6] transaction
Enter Choice: _
```

