Atm\_Machine

* **Amount Withdraw**
* **Amount Deposit**
* **Amount Check**

Thursday, 4 August 2022

**Batch\_\_BS\_CS\_II**

**By: MUHAMMAD MOHSIN SOOMRO**

Content

* SUMMARY
* DATE USE
* LOGIC

# Summary

**ABSTRACT ATM SYSTEM The ATM System is the project which is used to access their bank accounts in order to make cash withdrawals. Whenever the user need to make cash withdraws, they can enter their PIN number (personal identification number), Once their withdrawn was successful, the amount will be debited in their account. The ATM will service one customer at a time. A customer will be required to enter ATM personal identification number (PIN). He customer will then be able to perform one or more transactions. Also customer must be able to make a balance inquiry INTRODUCTION An Automated Teller Machine (ATM) allows customers to perform banking transactions anywhere and at anytime without the need of human teller. By using pin of ATM card at an ATM, individuals can withdraw cash, make a deposit. You can also get cash using a credit card pin on an ATM. Individuals the ATM is online with the bank that is, each transaction will be authorised by the bank on-demand and directly debited from the account's owner. The ATM works as follows. First, the client will insert his/her client card in the ATM and then the ATM will ask for a Personal Identification Number (PIN) , if the number is entered incorrectly several times in a row, most ATMs will retain the card as a security precaution to prevent an unauthorised user from working out the PIN by pure guesswork. Once the correct PIN is given, the ATM will ask for the amount of money to be withdrawn. If the amount is available and if the client has enough money on his credit then the said amount of money will be paid. Whether the amount of money is payable or not, i.e. the ATM has enough cash but could be the case the ATM has no change for that amount, will be also checked. Once the money is offered to the client a countdown is started, i.e. the client has a determined amount of time to pick up the money. If this timeout is over, the money will be collected by the ATM and the transaction will be rolled back. SYSTEM SPECIFICATION Hardware Requirements:**

1. **Data Used**

* Import a library (import java.util.Scanner) for getting input from a User.
* Used two conditional statements (if else , switch case);
* I used loop while (true) because block of code will run always until I don’t press exit.

**OVERALL CODE AND STATEMENTS WHICH I USED IN MY PROJECT**

**These are the following variables which I used.**

1. **Withdraw.**
2. **Deposit.**
3. **Amount**
4. **Pin.**

**Withdraw: I used this variable to ask user how many amount you want to withdraw.**

**Deposit: I used this variable to ask user how many amount you want to Deposit.**

**Amount: I used this variable to store amount which user want to deposit in his/her account.**

**Pin: I used this variable to store and check the account pins of users.**

# LOGIC

**LOGIC WHICH I USED TO MAKE THIS PROJECT**

* **Logic for deposit amount.**

**Amount = Amount + Deposit .**

* **Logic for withdraw amount.**

**Here i use a statement.**

* **Amount = Amount – withdraw .**
* If else condition I used to check the pin of user .If pin match the condition then program will run .
* Switch case I use switch case (it is also a condition) to perform the operation like WithdrawAmount , CheckAmount , DepositAmount.
* Do while loop I use this loop because program runs unlimited time until I don’t press exist.

SOME IMPORTANT INFORMATION ABOUT USERS ACCOUNT

IN THIS ATM THERE ARE STILL THREE USER AND THERE PINS ARE GIVEN BELOW

**sirmuzamil account pin is === 1234**

**mohsin account pin is ==== 1243**

**mashooque account pin is ==== 1324**