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**ATM INTERFACE**

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**Project report**

**ATM INTERFACE**

Introduction:

(**ATM**) system is banking software developed to give facility to bank customer for 24hours at nearer to your location. The main objective of ATM system is to help the organization in automating the whole manual processing of the existing system. This project should support multi user environment. The system is fully automated. ATM systemis designed to solve the purpose of clarifying system requirement.

Methods:

Project is developed using JAVA OOP concepts and MySql workbench for database purpose. For GUI purpose the swings library is use to implement the design . Moreover the use of JDBC driver allows the create the connection between the JAVA and the Sql database . The concept of polymorphism along with the encapsulation concept are implanted to ensure that the same method if needed is overridden to gain full control of the method.

Functionalities:

Cash withdrawal function is used for withdrawal of cash as per customer demand. For any authorized ATM card holder the ATM system requests for its ATM no & PIN no then customer is logged into their account, then amounts are given to hardware system and customer can withdraw amount. Withdrawn amount is deducted from user’s database at the backend. Cash deposit is used to deposit cash as per customer demand. The system verifies that deposited amount is equal to what user has input. Deposited amount is added to user’s account and database is updated. Balance enquiry function allows ATM card holder account to check for the resulting balance after certain transactions.Pin change function allows authorized ATM card holder to change accounts PIN. User is asked to input old PIN. If it matches with PIN stored in database then user is asked to input new PIN. The user is asked again to input new PIN to confirm the new PIN no. The PIN is updated in database. Mini statement function allows to enquire last ten transaction of an authorized ATM card holder. It shows deposit & withdrawal amount of transaction & also contains respective transaction date and current available balance. Electricity bill function allows user to pay electricity bill. User is asked to enter their electricity company account number. Relevant amount is deducted from user’s account and database is updated. Loan section allows users to find information about loan schemes provided by the bank. Help section gives necessary information to the user about how to use the user interface.

User:

There is only one user that is customer (authorized ATM card holder).

Tools:

Intellij ide , MySql workbench , Jdbc connection and swing library.

Code:

https://drive.google.com/file/d/1hplY7mgeTlcyKwSYv1IRS-R-6gsCMoK\_/view?usp=sharing