



# ATM BANKING SYSTEM

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## Introduction:

- An automated teller machine (ATM) is an electronic banking outlet that allows customers to complete basic transactions without the aid of a branch representative or teller.
- Anyone with a credit card or debit card can access cash at most ATMs.
- The basic one allows the customer to only draw cash and receive a report of the account balance.
- Another one is a more complex machine that accepts the deposit, provides credit card payment facilities and reports account information.
- It is an electronic device that is used by only bank customers to process account transactions.
- Our project of ATM banking system combines all the above functionalities under a single system.

## Functions:

- The system provides verification process in which the clients are provided with a Card number and a Pin where authorisation is not provided with invalid pin or invalid card number.
- Once the user is logged in, the user is provided with various Banking services like Withdraw Cash, Deposit Cash, Check their account balance and transfer funds to another account.
- The Withdraw Cash function enables the client to withdraw amount from their bank account.
- The Deposit Cash function enables the client to Deposit amount to their bank.

- The Transfer function enables the client to transfer funds to another account.
- A special function is included where the client can view all the transfer history of their transactions.
- The client can also check their account balance in the ATM.

### Working:

- At first the client is prompted to enter their Card number and their respective pin to login to their banking services. An invalid Card number or invalid Pin prompts unauthorized credentials. After authorization the client is forwarded to Services portal.
- In the service portal the client is provided with various functions like withdraw, transfer, deposit ,view transfer history and check account balance
- In withdraw portal the client enters an amount to withdraw. If the amount entered exceeds the limit or the bank balance “withdraw limit reached” message and “insufficient funds” message prompts respectively. On submit, the cash is withdrawn and their account balance is updated.
- In Deposit portal the client enters an amount to deposit. If the amount to be deposited exceeds the limit, “deposit limit reached” message prompts. On submit, the cash is deposited and their account balance is updated.
- In transfer portal the client enters the beneficiary card number of another client and the amount to be transferred. On submit the account balances of both the clients will be updated. If incorrect beneficiary card number is given “invalid card number message prompts”.
- Under the services window, the transfer history will show the details of the history of transfers made from that account.
- The check balance option prompts the bank balance of the client.

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- The client can log out if he is satisfied with his service and are redirected to login page where another client can use.