ATM WEB PROJECT

1. Introduction :

We built the online website , which is having functionalities of ATM. In this we have functions like secure Login , balance check and cash withdraw. For security purpose password encryption is done and it is decrypted while comparing with the password entered by user . Unique card number with the help of primary key is given to each user .

To use this website user has to enter unique card number and pin then user will able to do further process like cash withdraw and balance check. By clicking on balance check user will able to check available balance in account and after clicking on cash withdraw and entering withdraw amount user will able to withdraw amount

2. Objective :

1)To work on hand's on project and also to explore web development .

2) To built a website which provide online banking service

3. Motivation :

1) We want to learn how to develop website using
HTML , CSS , JAVA and JavaScript and JSP (Java Server Pages)

2) To know the connection establishment between Java , database and Server
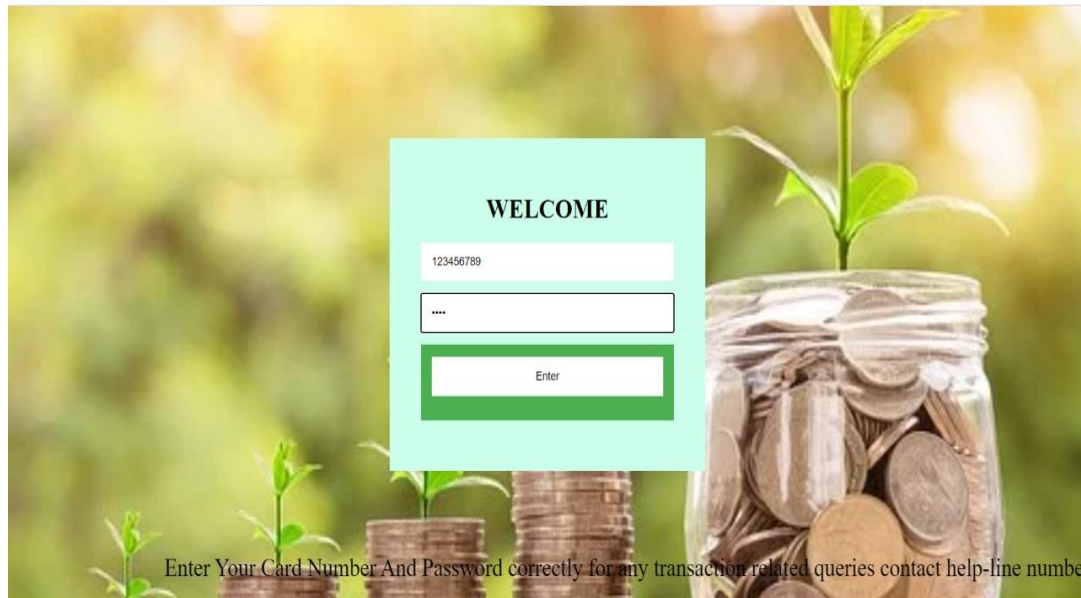
4.Approach :

Tech Stack :

HTML , CSS , JSP (Java Server Pages), Apache tomcat , mysql

Firstly we have entered some data of users in mysql database (includes Card number , Name of user , encrypted pin and balance)

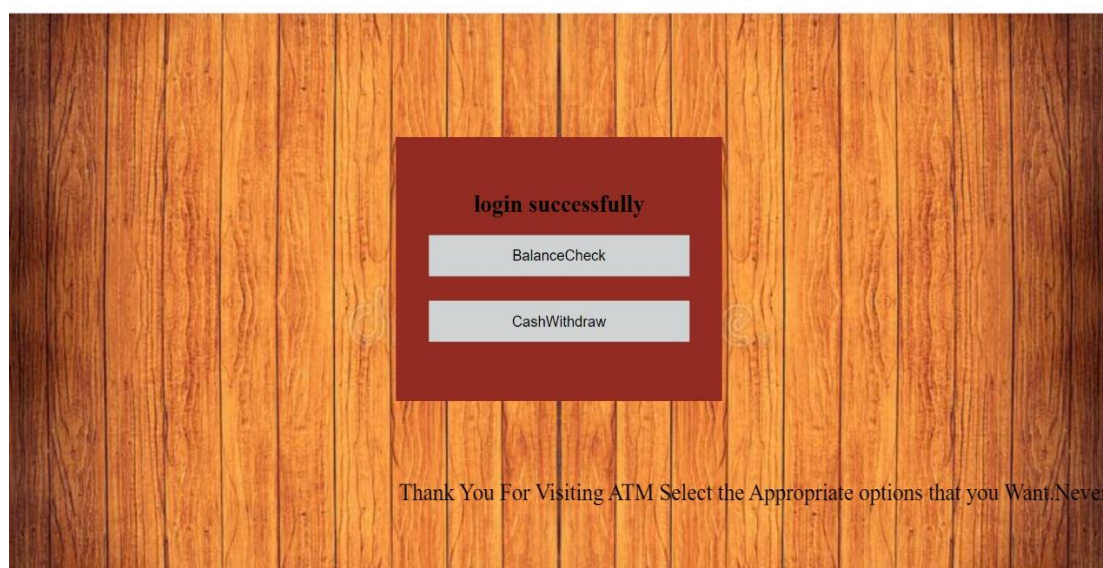Functions in ATM :

i. login -

Here the user has to enter card number and password . backend code decrypt encrypted pin stored in database .

If the decrypted pin matches with the pin entered by user then it shows the massage "login successfully " otherwise show as "login Invalid".
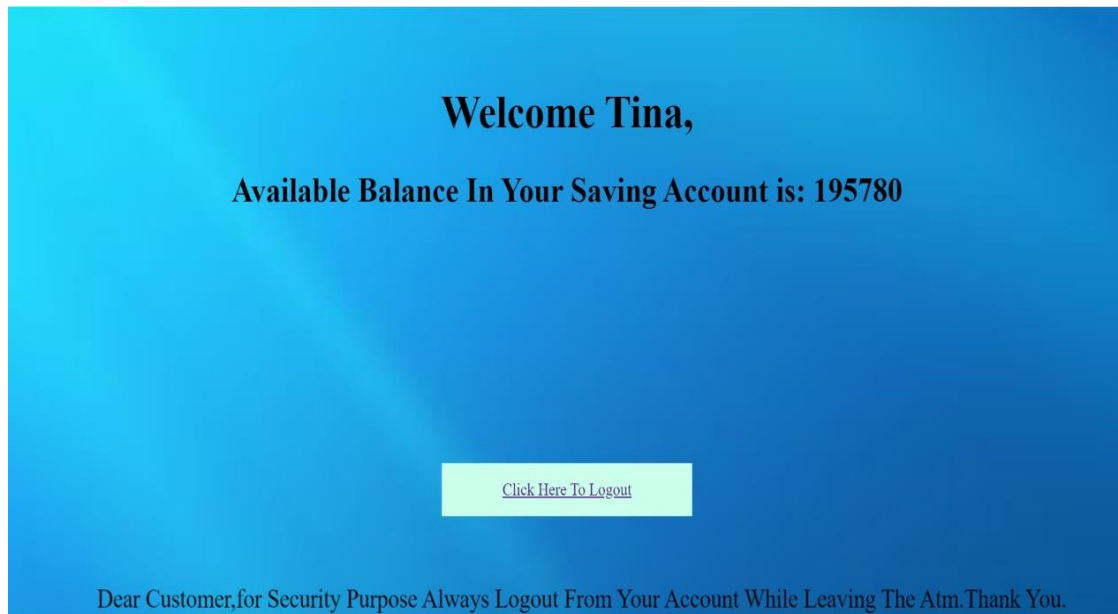
After successful login on next page we can see two buttons

- Balance Check
- Cash Withdraw

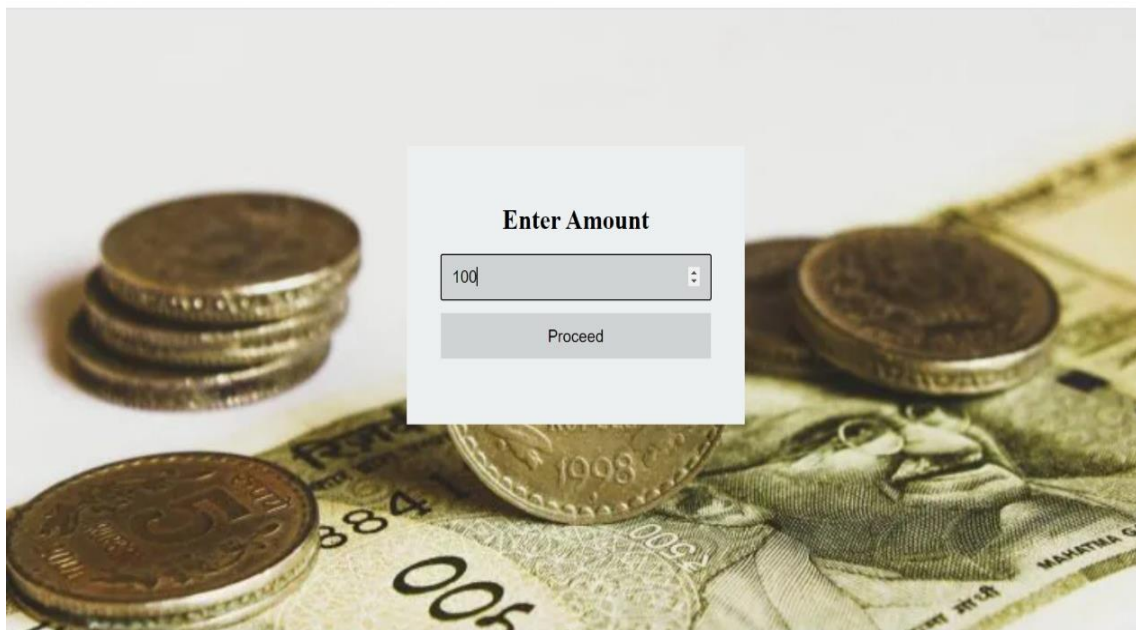### i. Balance Check -

By clicking on Balance Check , backend logic display the appropriate balance with respect to card number (entered at the time of login)

ii. Cash Withdraw -

By clicking on Cash Withdraw , it navigate to page where it ask user to enter amount want to withdraw

a) If entered amount is greater than existing amount in account message of "Amount exceed" will display on screen
b) If entered amount is negative or 0 amount , then warning message will display

c) If entered amount is non-negative and less than to balance in user's account then that much amount will be deducted from database and user will see a message as " Collect your money"

4. Conclusion :

1) By working on this project , we get to learn more about real life applications of Programming and web development
2) Use of encryption and decryption logic

5. Reference :

Frontend   - https://www.w3schools.com

Backend - https://stackoverflow.com/questions/tagged/jsp

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Mentees :

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