

## Online banking System



**Software Design Architecture Mini Project** 

Under the Guidance By Prof. O.P. Vyas Sir

## **Our Team**



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## Introduction about Software \_\_\_\_

• Online Banking System is very important project developed in java programing language using jdbc technology. We used MySQL database to store all the details of customers account in a table.

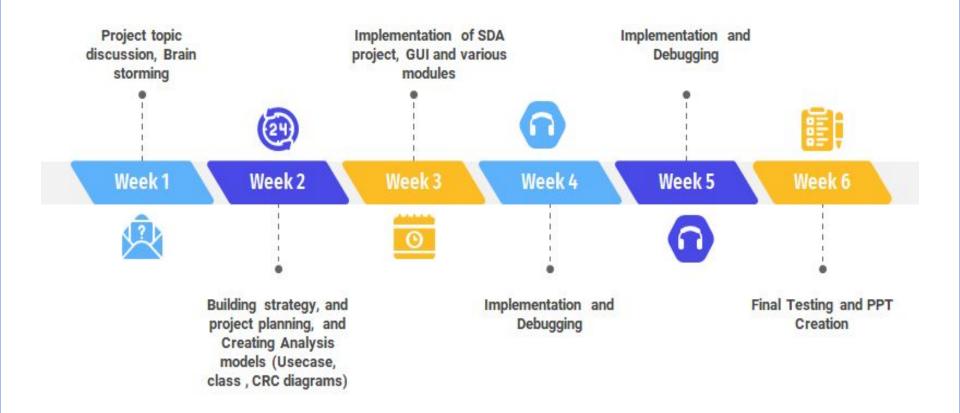
 We have implemented most of the feature of online banking in it. User can login, do withdrawal, Request a Deposit amount, Transfer amount from one account to another account, check his/her current balance, and view reports of all the transaction. We have design the frames using Swing Technology with the help of Labels, Panels, Button etc.

• The Online Banking System provides a global accounting foundation that provides the all private banks with electronic banking facilities. It allows client of private banks to carry out their day to day banking transactions.

## Scope

- This project is developed to make the work of Bank Employer much easier in the process of maintaining the records of the customer.
- This helps the customers to provide easy transactions and makes the process user friendly to the employer.
- In this way it can provide best **Security** ever. The employer can execute the process of transaction of the amount with maximum security.
- This system also provides Accuracy.
- This also reduce the **Time taken** for the customer to complete his transaction.

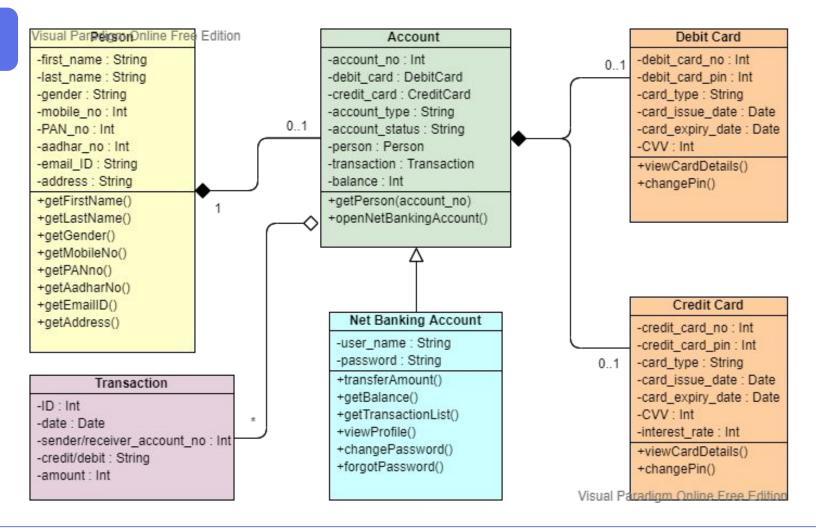
#### **Project Timeline**





**Use Case Diagram** Create Account Register a new account Block/Close Account System admin View Account Balance Secondary Actor Login / Logout Bank User Change Password Primary Actor Bank View Card Details Employee Secondary Manage Credit/Debits Transfer Funds Actor Manage Fund transfer View Bank Statement Manage Account info << System Boundary>> Online Banking System

**Class Diagram** 



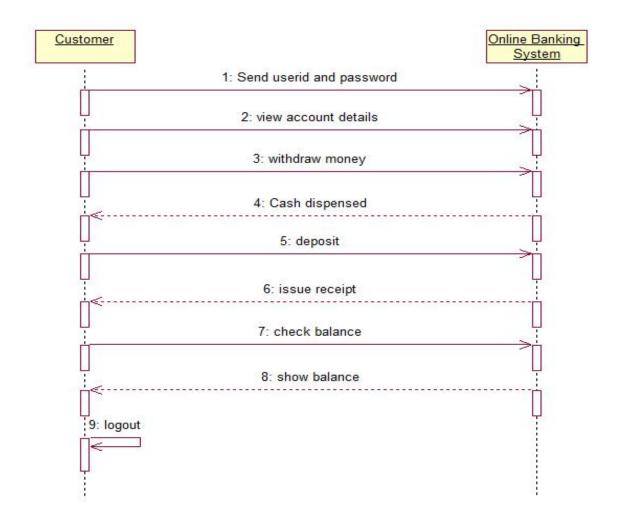
#### Class Responsibility Collaboration(CRC) Diagram

Responsibilities	Collaborators	
<ul> <li>Create Account</li> <li>Delete Account</li> <li>Verify Account</li> <li>Update Account</li> <li>Get Current Balance</li> <li>Manage Loan</li> </ul>	Loan     Customer	

Class Name : Deposit	
Responsibilities	Collaborators
<ul> <li>Deposit Money</li> <li>Deposit funds</li> <li>Sends a message to account to update it</li> </ul>	Client     Bank Employee

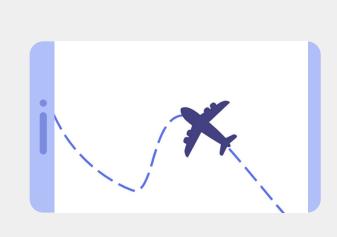
Class Name : Transaction	
Responsibilities	Collaborators
<ul> <li>Get transaction info</li> <li>Get transaction summary</li> <li>Verify the Account</li> </ul>	Client     Bank Employee

Sequence Diagram





Now we will see screenshots of our project demonstration



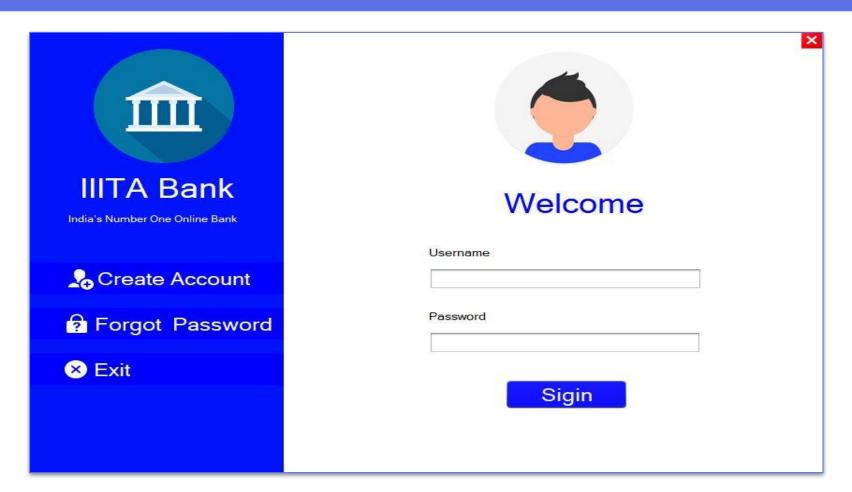
#### **SPLASH SCREEN**



## Welcome To IIIT Allahabad Bank

India's Number One Online Bank

#### **LOGIN PAGE**



#### **CREATE ACCOUNT (1)**

Create Account page



First Name

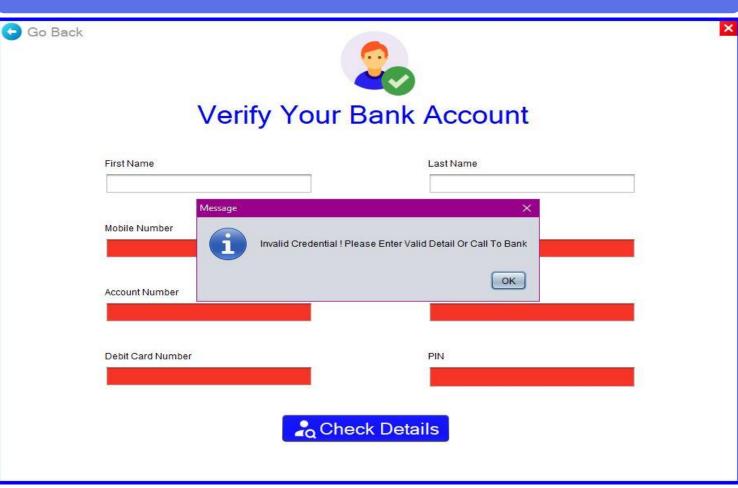
Mobile Number	Pan Number
Account Number	Adhar Number
Debit Card Number	PIN

Check Details

Last Name

#### **CREATE ACCOUNT (2)**

Leaving fields blank



#### **CREATE ACCOUNT (3)**

Submitting form with correct information

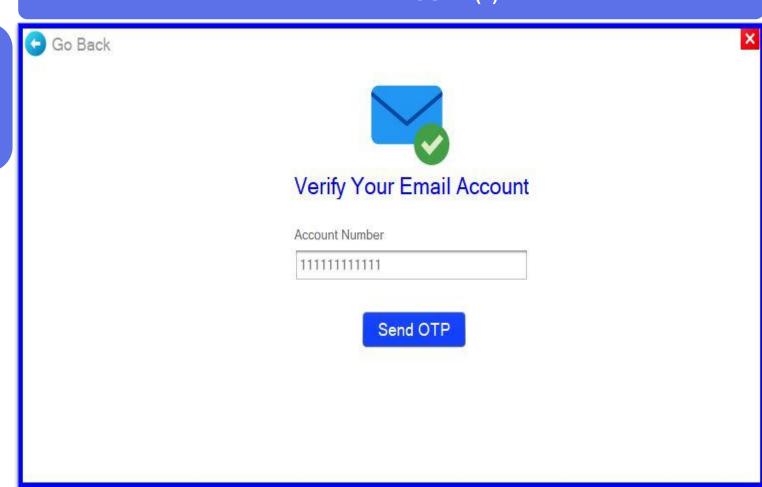


riistivanie	
Dummy1	user
Mobile Number	Pan Number
1111111111	111111111
Account Number	Adhar Number 1111111111
Account Number  111111111111  Debit Card Number	TO THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRES



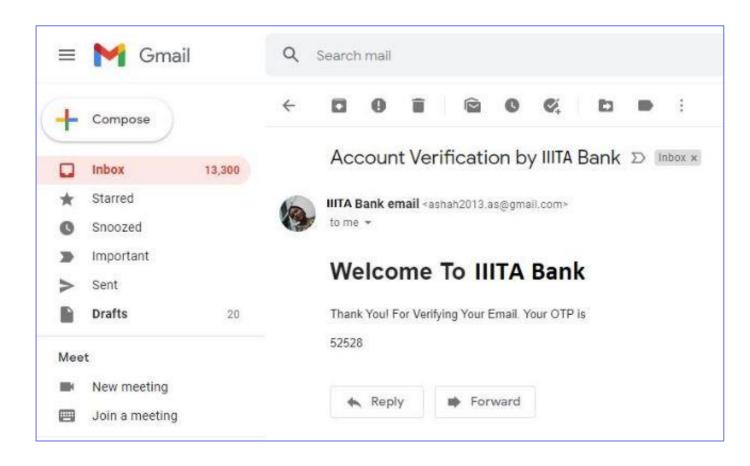
#### **CREATE ACCOUNT (4)**

Verification using OTP sent to email account



#### **CREATE ACCOUNT (5)**

OTP sent to email account



#### **CREATE ACCOUNT (6)**

Verify OTP

Go Back



Verify Your One Time Password

Enter OTP

52528



#### **CREATE ACCOUNT (7)**



Entering LOGIN credentials

Go Back



Account Number

11111111111

Create Username

Dummy1

Create Password

\*\*\*\*\*\*\*

Re Enter Password

\*\*\*\*\*\*

Create Your Account

#### **CREATE ACCOUNT (8)**

Account Creation Successful screen



Account Created Succesfully



Go to Login

Entering Invalid Credentials in LOGIN page

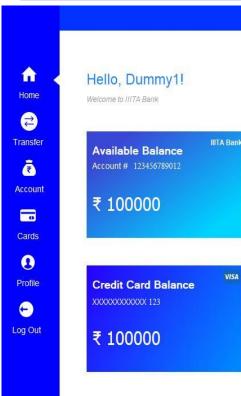






#### **HOME SECTION**

HOME PAGE
on successful
login shows
summarised
details of
Account



#### Home Section



#### **Entering** unavailable **Receiver account** number pop ups "Invalid Account Number" message

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2

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0

0

Log Out

#### **TRANSFER SECTION (1)**

#### Transfer Money

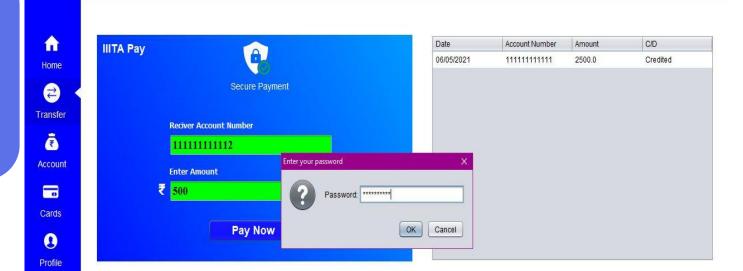


#### **TRANSFER SECTION (2)**

Transfer Money

On entering valid Receiver account number and amount, it asks for Password for verification!

Eog Out

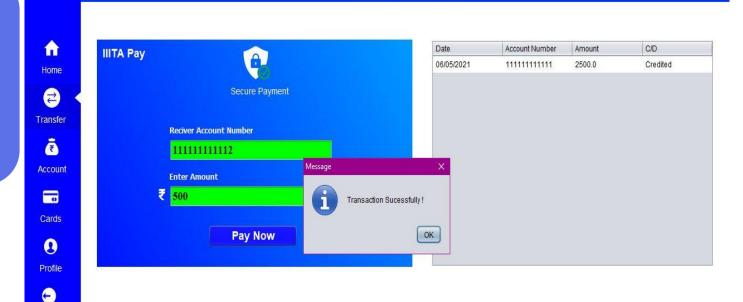


#### **TRANSFER SECTION (3)**

**Transfer Money** 

On successful transaction, it shows message "Transaction Successfully!"

Log Out



#### **ACCOUNT SECTION**

Account section displays the front page of PassBook and current Balance

#### My Account



#### Home



Transfer



Account



Cards



Profile



Log Out

#### Pass Book

Account Status : Open

Account Type : Savings

Pan Number : 1111111111

Account Number: 111111111111

Customer Name : Dummyl user



Customer Address: Room No. 106, Block-'A', Girls Hostel, IIITA, Jha...

#### IIITA Bank

Address : Road Devghat, Jhalwa,

Prayagraj, Uttar Pradesh

211015

Phone : 0532 - 2922222

Email : iiitabank@gmail.com

IFSC : IIITA00123456

Total Balance Available

Account # 111111111111

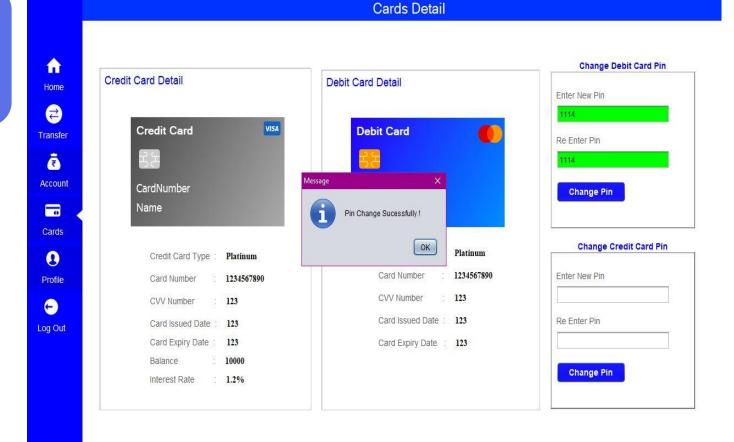
₹ 9500.0

#### **Credit/Debit card details SECTION**

#### Cards Detail n Change Debit Card Pin Credit Card Detail **Debit Card Detail** Home Enter New Pin 7 VISA Credit Card Debit Card Transfer Re Enter Pin Ē Account 3333332222224444 3333332222224444 **Change Pin** Ankita Shah -0 Ankita Shah Cards **Change Credit Card Pin** Credit Card Type : Visa 0 Credit Card Type : Visa 3333332222224444 Card Number Enter New Pin 3333332222224444 Profile Card Number 786 CVV Number CVV Number 786 Card Issued Date: 02-01-2020 Re Enter Pin Card Issued Date: 02-01-2020 Log Out Card Expiry Date: 02-01-2030 Card Expiry Date : 02-01-2030 ₹ 90000 Balance **Change Pin** Interest Rate : 3

#### CARD DETAILS SECTION

User can change the pin of his Debit/Credit account



#### **PROFILE SECTION**

#### My Profile



Home



Transfer



Account



Cards



Profile



Log Out



Ankita Shah

Account Number: 123456789013

Username : ankita123

Adhar Number : 333333222211

Pan Number : XXXXXYYYFF

Account Type : personal

Email: mit2020097@iiita.ac.in

Address : Near IIITA Railway Colony , Allahabad

#### **FORGOT PASSWORD (1)**

Bank will first
verify the
details. For
further security,
it will verify
using OTP as
well.

Go Back



#### First Check Its You

Enter Account Number

1111111111111

Enter Username

Dummy1



Your Account Verified SucessFully! We send OTP on Your linked Email

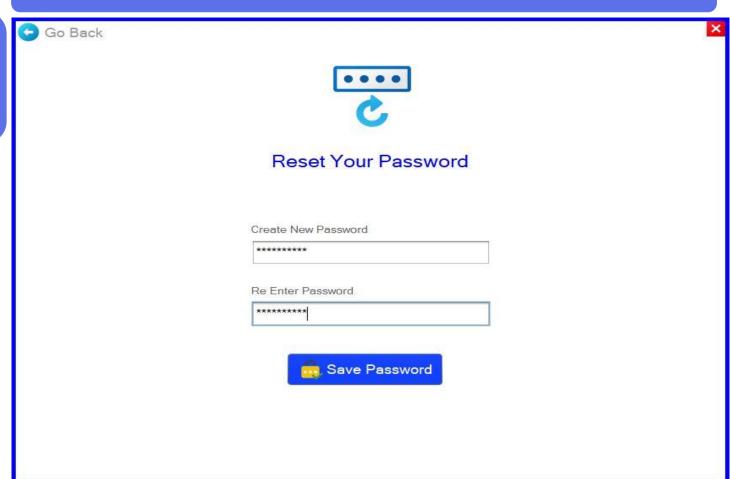
Enter OTP

748173



#### FORGOT PASSWORD (2)

User will be asked to enter new password to RESET



Following screen will be displayed on successful password reset



## Password Changed Successfully



### Conclusion

- This project is to nurture the needs of the user in the banking sector by embedding all the task of transaction taking place in bank.
- Thus, Online Banking System is developed and executed successfully.
- This Internet Banking supports the functionalities of banking services with secure login procedure to interact within the Customers and Database.

# Thanks Do you have any questions?

