

S.E-1002L

Object Oriented Programming Lab

<<OOP BANK>>

Project Report By

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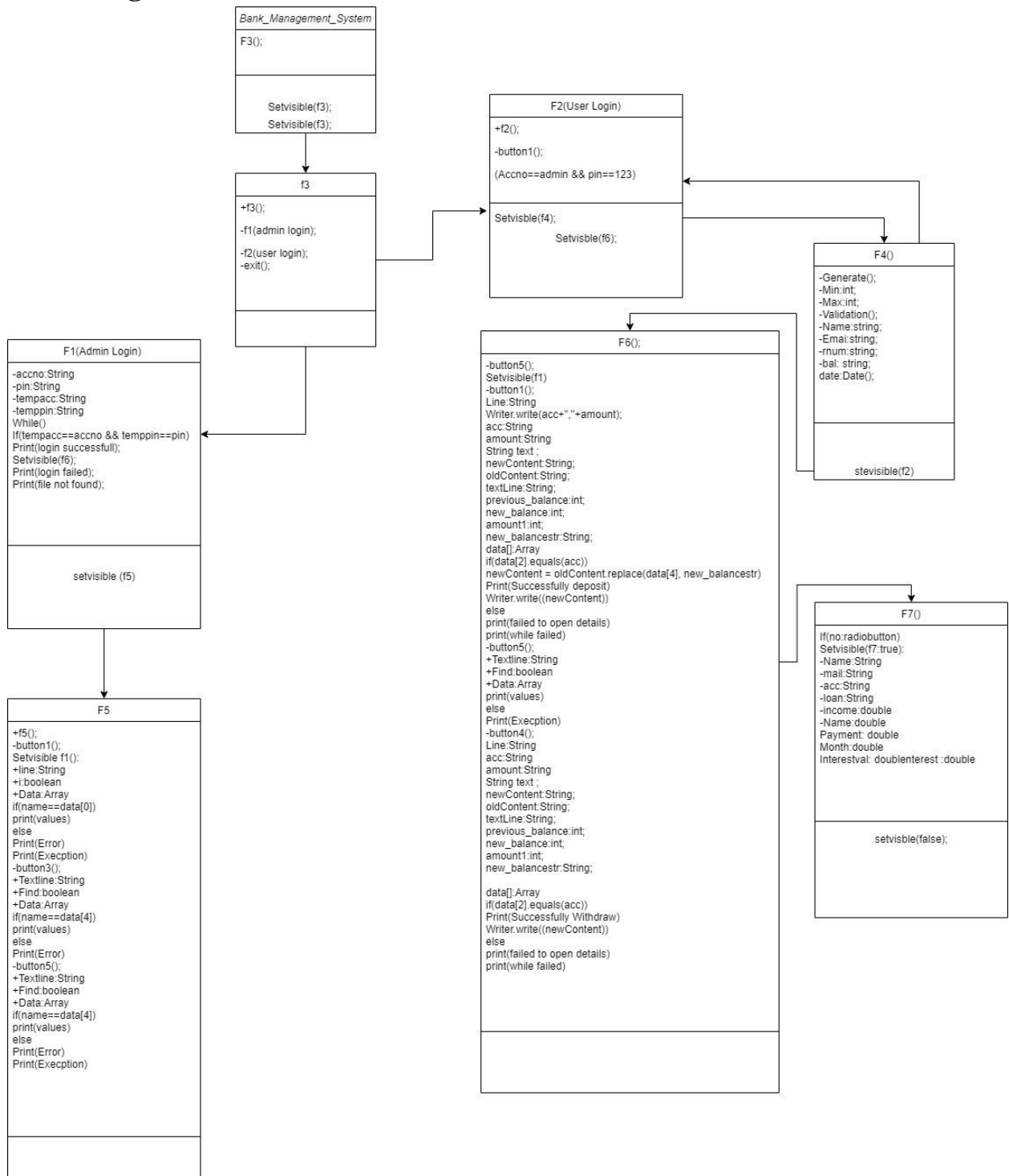
1. Introduction

OOP Bank allows customers to conduct online transactions on a secured system. Our project is based on OOP Bank system in Java. This project is based on customer account services in bank. This system allows user to signup account and other some activities like real bank.

2. Scope

The purpose of this project is in partial fulfilment of the requirements of customer using the online banking for payment or transactions. The Design and development of this OOP Bank system provides a more secured approach in managing bank customer's information which strengthens the relationships between banks and their customers by providing the right solutions that uses a multi-level security to improve customer satisfaction.

3. Class Diagrams



6. Module Description

- The whole process of banking is showed in the code like creating new account, displaying details, deposits, withdraw. This project is based on customer account services in bank.
- This system allows user to signup account.
- The user can enter account details to perform transactions.
- Check the details of a current account, bank balance & credit card.
- Admin has the access of all the accounts (as an owner). From which he can watch the user activity.
- Account holder can apply for loans

6. Hardware/Software Requirements

Hardware :

- i3 2.2 GHZ processor or equivalent
- 2 gb ram
- 100 mb disk space
- Windows xp,7,8 & 10

Software Requirements:

5.1 Tools

- Net Beans
- Eclipse
- IntelliJ

5.2 Libraries

java.awt.Dimension;

java.awt.Toolkit;

java.io.FileWriter;

javax.swing.JOptionPane;

java.awt.Toolkit;

java.io.BufferedReader;

java.io.File;

java.io.FileNotFoundException;

java.io.FileReader;

java.io.FileWriter;

java.io.IOException;

java.util.logging.Level;

java.util.logging.Logger;

java.util.Scanner;

java.awt.TextArea;

java.awt.Toolkit;

java.text.SimpleDateFormat;

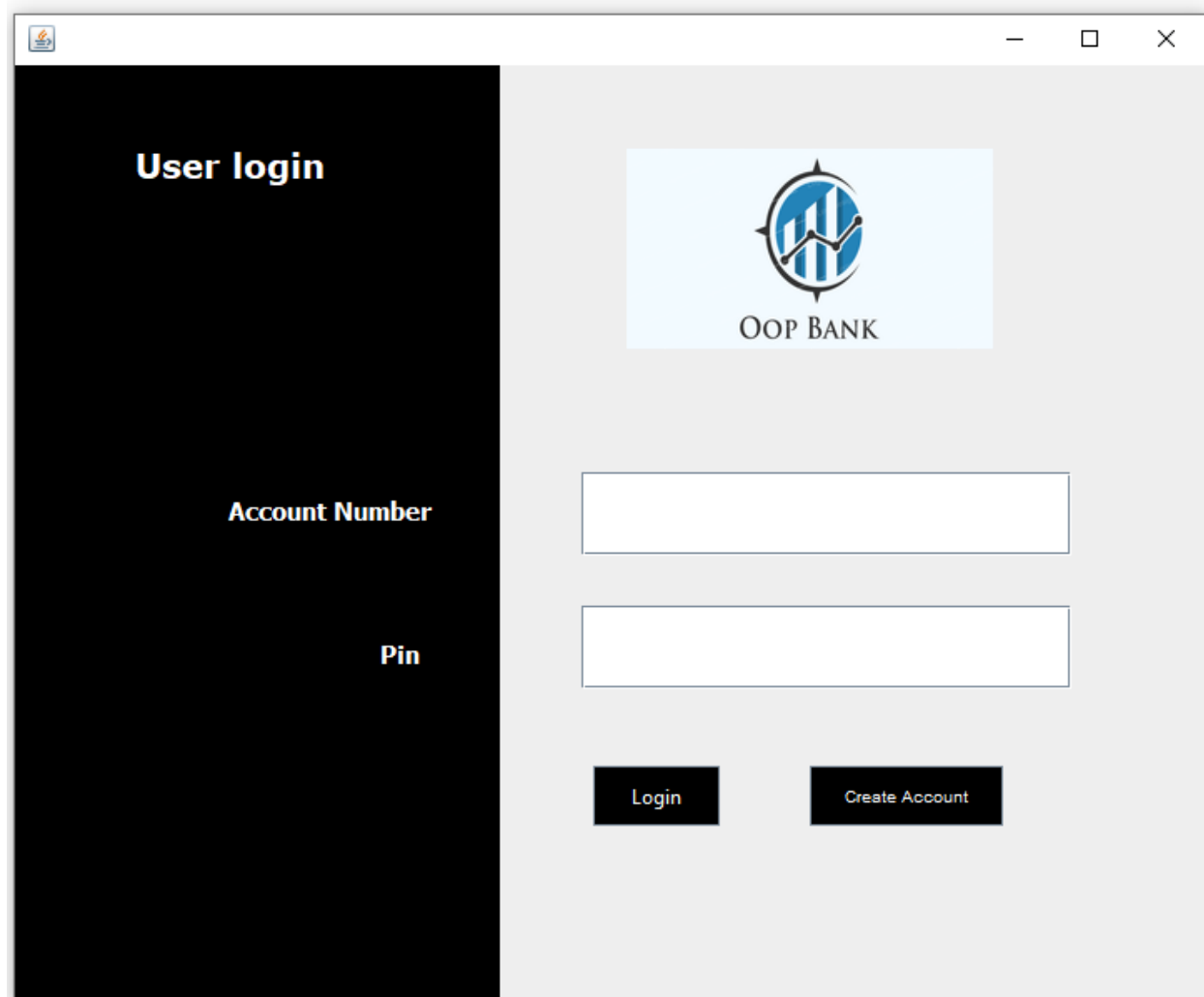
java.util.Date;

javax.swing.JTextField;

java.awt.Toolkit;

```
javax.swing.JFrame;
```

6. Screen Shots



Account
Registration

Name

Email

Account No.

Pin

Muhammad Hamza Khalid

19

muhammadhamzakhalid24@gmail.com

Male

Female

Generate

oopMuhammad95386

Deposit Something

5000

...

Save

Admin login

Message

i

Success


OK

User login


Account Number

Pin


Login

OOP BANK

Message

 Login successfull

OK



OOP BANK

What you want to do? **Log out**

Deposit | Deposit History | Available balance

How much you want to deposit?

Account Number

Desposit Amount

Deposit

Withdraw History | **Slip** | Bank Loan


Withdraw

How much you want to withdraw?

Account Number

Withdraw Amount

Withdraw



OOP BANK

What you want to do? **Log out**

Deposit | Deposit History | Available balance

How much you want to deposit?

Account Number

Desposit Amount

Deposit

Withdraw History | **Slip** | Bank Loan

Withdraw

How much you want to withdraw?

Account Number


Withdraw Amount

Withdraw

Message

i Successfully deposit

OK



OOP BANK

Deposit

Deposit History

Available balance

Name

ad Hamza Khalid

Check

Account Balance:

Name: Muhammad Hamza Khalid

Email: muhammadhamzakhali24@gmail.

Account Number: oopMuhammad95386

Balance: 7500

What you want to do?

Log out

Withdraw History

Slip

Bank Loan


Withdraw

How much you want to withdraw?

Account Number

Withdraw Amount

Withdraw



OOP BANK

Deposit

Deposit History

Available balance

Account Number

Muhammad95386

Check

Deposit History:

Account oopMuhammad95386

Recent Deposit: 2500

What you want to do?

Log out

Withdraw History

Slip

Bank Loan


Withdraw

How much you want to withdraw?

Account Number

Withdraw Amount

Withdraw



OOP BANK

Deposit

Deposit History

Available balance

Name

ad Hamza Khalid

Check

Account Balance:

Name: Muhammad Hamza Khalid

Email: muhammadhamzakhali24@gmail.

Account Number: oopMuhammad95386

Balance: 7500

What you want to do?

Log out

Message

i

Success

OK

Withdraw History

Slip

Bank Loan

Withdraw

How much you want to withdraw?


Account Number

oopMuhammad95386

Withdraw Amount

5000

Withdraw



OOP BANK

Deposit

Deposit History

Available balance

How much you want to deposit?

Account Number

Deposit Amount

Deposit

What you want to do?

Log out

Withdraw History

Slip

Bank Loan

Withdraw

Account Number


Muhammad95386

Check

Withdraw History:

Account oopMuhammad95386

Recent Withdraw: 5000



OOP BANK

Deposit

Deposit History

Available balance

How much you want to deposit?

Account Number

Desposit Amount

Deposit

What you want to do?

Log out

Withdraw History

Slip

Bank Loan

Withdraw

Name:

mmad Hamza Khalid

*****Withdraw Slip*****

Name: Muhammad Hamza Khalid

Account: oophamzaL60692


Recent Deposit: 600

Balance After Deposit: 2500

*****Slip generated*****

☒ Deposit

☐ Withdraw



OOP BANK

What you want to do?

Log out

Deposit Deposit History Available balance

Withdraw History Slip Bank Loan

Withdraw

How much you want to deposit?

Account Number

Desposit Amount

Deposit

Name: mmad Hamza Khalid

*****Withdraw Slip*****

Name: Muhammad Hamza Khalid

Account: oophamzaL60692

Recent Withdraw: 700oophamza61809


Balance After Withdraw: 2500

*****Slip generated*****

☒ Deposit

☒ Withdraw

Loan Portal



OOP BANK

Are you a account holder? ☐ Yes ☐ No

Name

Email

Account Number

Resedention Address

Official Address

Phone Nubmer

How many dependets on you ? ☐ 3 or less ☐ 5 ☐ 7 or more

Loan amount

Monthly Income

Purpose ☐ Purcahse ☐ Refinancing ☐ Other

Loan Slip



Loan Portal



Are you a account holder? ☐ Yes ☒ No

Name

Email

Account Number

Resedention Address

How many dependents do you have? ☐ 3 or less ☐ 5 ☐ 7 or more

Monthly Income

Purpose ☐ Purcahse ☐ Refinancing ☐ Other

Loan Slip


Message



First Create an account in oop Bank


OK

Loan Portal



OOP BANK

Message



Loan Generated

OK

Are you a account holder?

☒ Yes ☐ No

Name

uhammad Hamza Khalid

Email

id24@gmail.com

Account Number

luhammad95386

Resedention Address

ufferzone,Karachi

Official Address

-

Phone Nubmer

03332421556

How many dependets on you ?

☒ 3 or less ☐ 5 ☐ 7 or more

Loan amount

100000

Monthly Income


20000

Purpose

☐ Purcahse ☒ Refinancing ☐ Other


Loan Slip

Loan Portal



OOP BANK

Message



Please visit Slip Counter

OK

Are you a account holder?

☒ Yes ☐ No

Name

uhammad Hamza Khalid

Email

id24@gmail.com

Account Number

luhammad95386

Resedention Address

ufferzone,Karachi

Official Address

-

Phone Nubmer

03332421556

How many dependets on you ?

☒ 3 or less ☐ 5 ☐ 7 or more

Loan amount

100000

Monthly Income

20000

Purpose

☐ Purcahse ☒ Refinancing ☐ Other

Loan Slip



Admin Login

Admin

Pin


Weclome

admin

...

Login

User Login



—

□

×

Account login

User Details

Account Balances

Recent Deposit

Recent Withdraw

Loan Slip

Thankyou for using Bank OOP

Bank OOP

Fri Jun 18 17:06:09 PKT 2021

Name : afagadgad asafs

Email : asfvavgasvaw12

Account no : oopafagadgad54017

Pin : 123

Thankyou for using Bank OOP

Bank OOP

Sun Jun 20 22:08:07 PKT 2021

Name : Muhammad Hamza Khalid

Email : muhammadhamzakhali24@gmail.com

Account no : oopMuhammad95386

Pin : 248

Thankyou for using Bank OOP



Account login

User Details

Account Balances

Recent Deposit

Recent Withdraw

Loan Slip


Account number:

oopMuhammad95386

Check

Account number : oopMuhammad95386

Recent Deposit : 2500



—

□

×

Account login

User Details

Account Balances

Recent Deposit

Recent Withdraw


Loan Slip

Whose Account Details you want to check?

Muhammad Hamza Khalid

Check

Account Balance:
Name: Muhammad Hamza Khalid
Email: muhammadhamzakhalid24@gmail.com
Account Number: oopMuhammad95386
Balance: 2500



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□

×

Account login

User Details

Account Balances

Recent Deposit

Recent Withdraw

Loan Slip

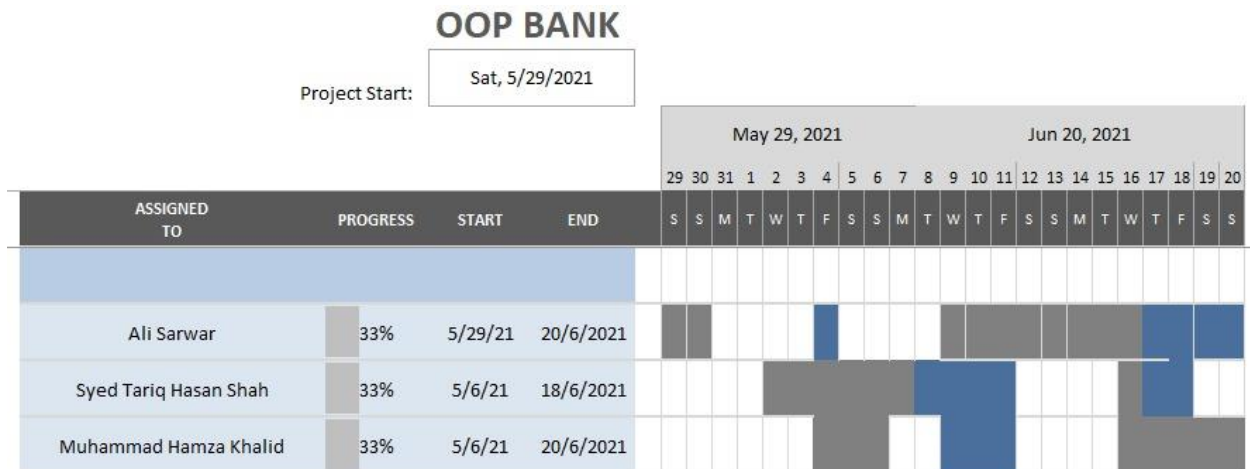
Account number

Check

Account number : oopMuhammad95386

Recent Withdraw : 5000

7. Gantt Chart



*****FIN*****