Green University of Bangladesh

Department of Computer Science and Engineering (CSE)

Faculty of Sciences and Engineering

Semester: (Spring, Year:2022), B.Sc. in CSE (Day)

LAB PROJECT REPORT

Course Title: Oriented Programming Lab

Course Code: CSE - 202 Section: PC-213_DA

Lab Project Name : Banking Application

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Submission Date : 08 – 01 - 2023

Course Teacher's Name : Dr. Muhammad Aminur Rahman

[For Teachers use only: Don't Write Anything inside this box]

Project Final Report Status

Marks: …… **Signature:.....**

Comments:..... **Date:.....**

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Chapter 1

Introduction

1.1 Introduction

The main objective of the project is to develop online Banking system for banks. In present system all banking work is done manually. User have to visit bank to Withdrawal or Deposit amount. In present bank system it is also difficult to find account information of account holder. In this bank management system we will automate all the banking process. In our bank management system user can check his balance online and he can also transfer money to other account online. In this Software you can keep record for daily Banking transactions. The main purpose of developing bank management system is to design an application, which could store bank data and provide an interface for retrieving customer related details with 100% accuracy.

1.2 Goals/Objective

1. This bank management system also allow user to add new customer account, delete account and user can also modify existing user account information.

2. Using this system user can also search any individual account in few seconds.

3. Using our bank management system user can also check any translation in any account.

4. Our system also provide security check to reduce fraud.

5. The system will check the user's existence in the database and provide the set of services with respect to the role of the user.

Chapter 2

Details & Components

2.1 What to learn in this Project

1. Complete Project is created with Jswings.
2. Complete MYAQL Database Intergerations with this project.
3. Retrieving , Inserting ,Deletion & Editing of Data from JFrame.
4. Creating the entire DBMS & table creation in Apache MySQL PHP my Admin.
5. Using of Data & Time Library in the module .
6. Switching from one frame to another frame .
7. Login & Register page creation.

2.2 What Technologies used in this Project

1. Programming Language: JAVA.
2. APACHE NETBEANS -13 (IDE: NETBEANS 8.3 can also be used).
3. Library used : MYSQL DRIVER.
4. FRONTEND : JAVA SWINGS .
5. DATABASE : MYSQL.

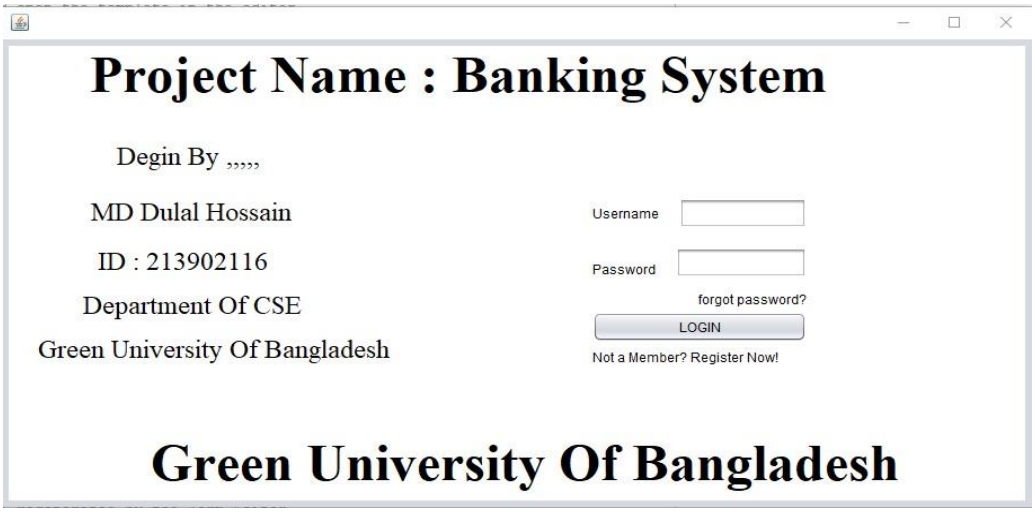
Chapter3

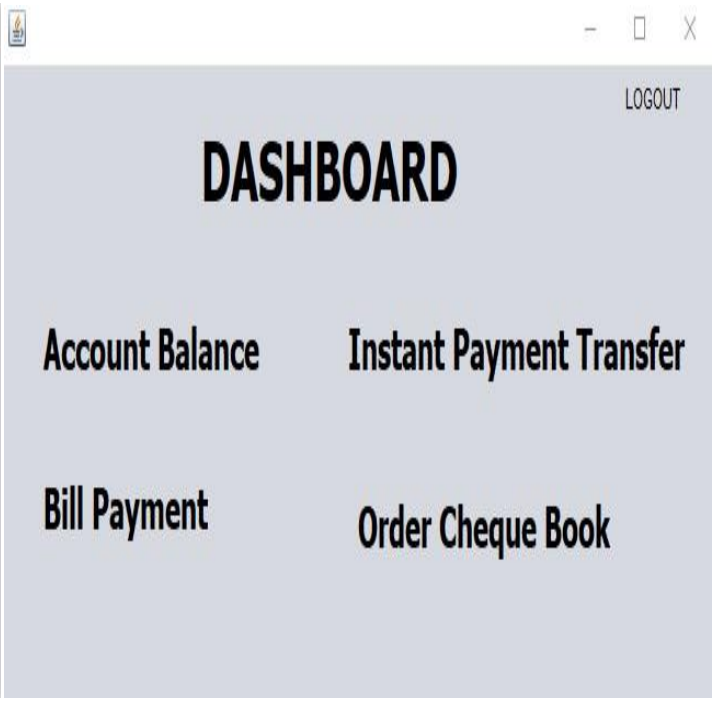
Design / Implementation

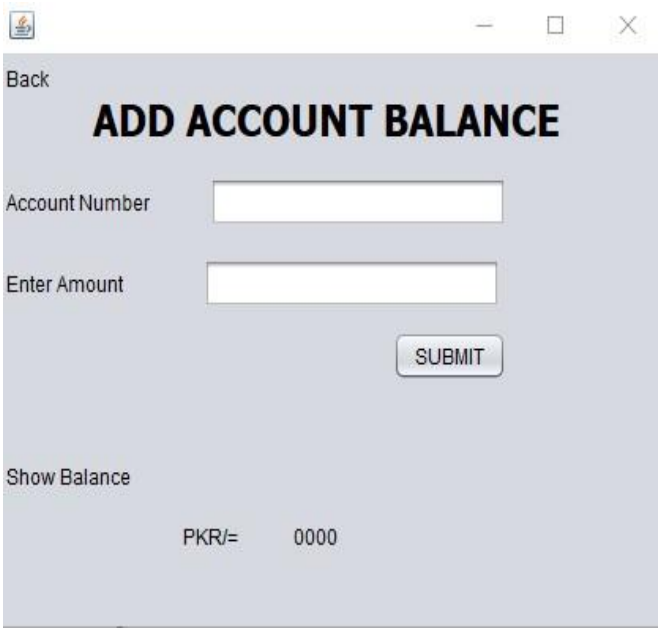
3.1 Design

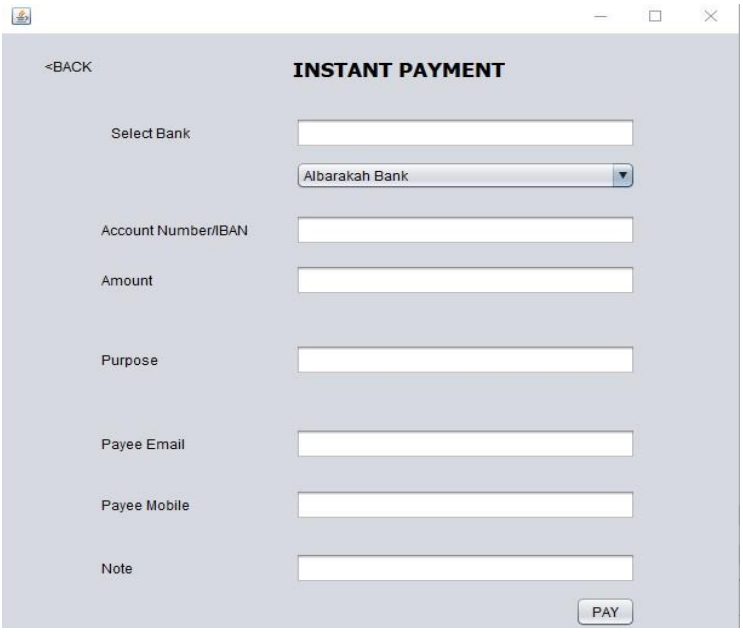
1. Login & Register Page.
2. Account Balance (Check & Recharge).
3. Utility Bill Payment.
4. Instant Payment Transfer.
5. Oder Cheque Book.

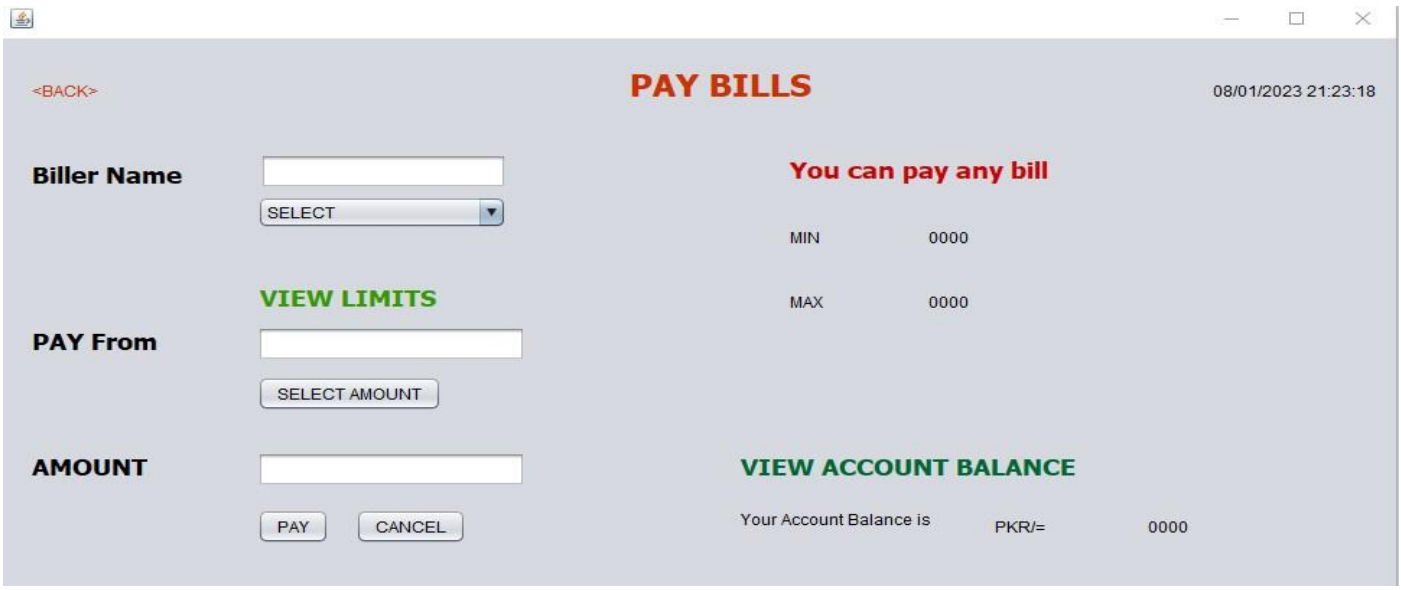
3.2 Implementation

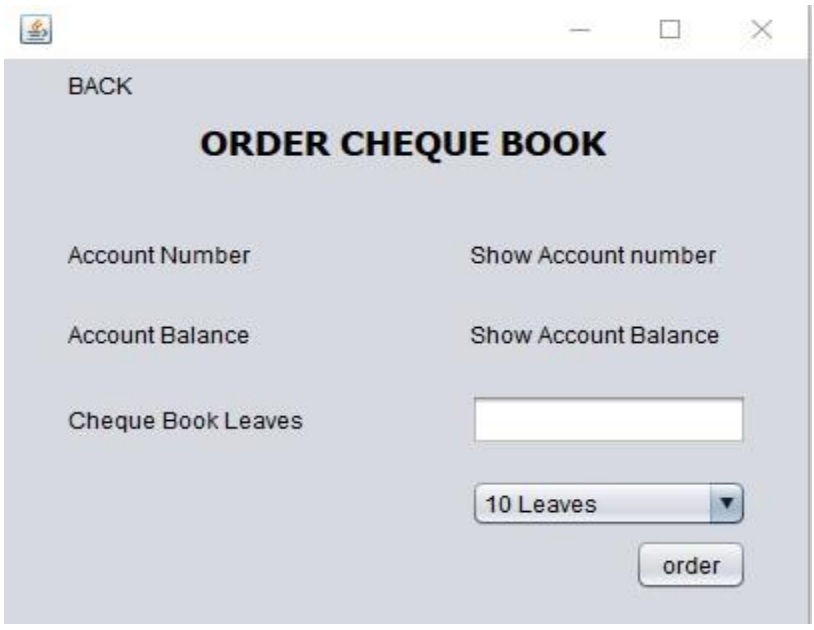





Back
ADD ACCOUNT BALANCE
Account Number
Enter Amount
SUBMIT
Show Balance
PKR/=
0000


<BACK
INSTANT PAYMENT
Select Bank
Albarakah Bank
Account Number/IBAN
Amount
Purpose
Payee Email
Payee Mobile
Note
PAY

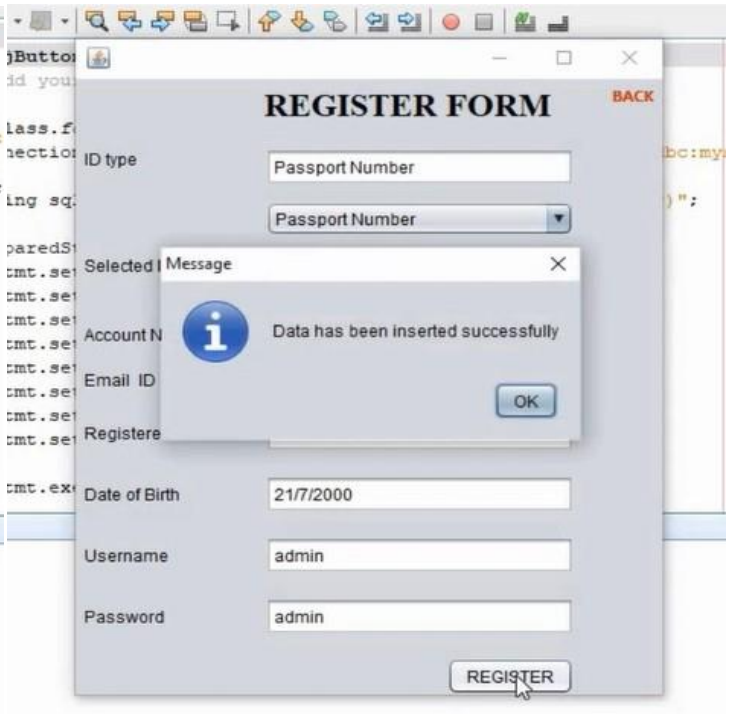

<BACK>
PAY BILLS
08/01/2023 21:23:18
Biller Name
SELECT
You can pay any bill
MIN
0000
MAX
0000
VIEW LIMITS
PAY From
SELECT AMOUNT
AMOUNT
VIEW ACCOUNT BALANCE
PAY
CANCEL
Your Account Balance is
PKR/=
0000

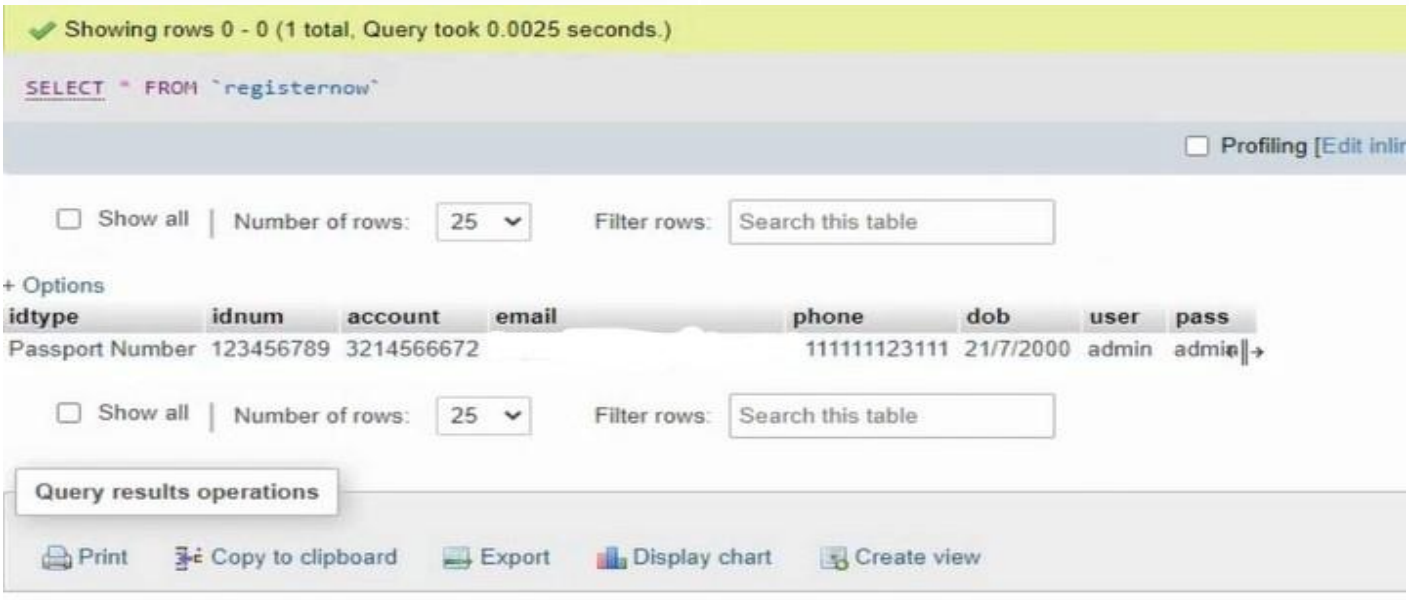

BACK
ORDER CHEQUE BOOK
Account Number
Show Account number
Account Balance
Show Account Balance
Cheque Book Leaves
10 Leaves
order

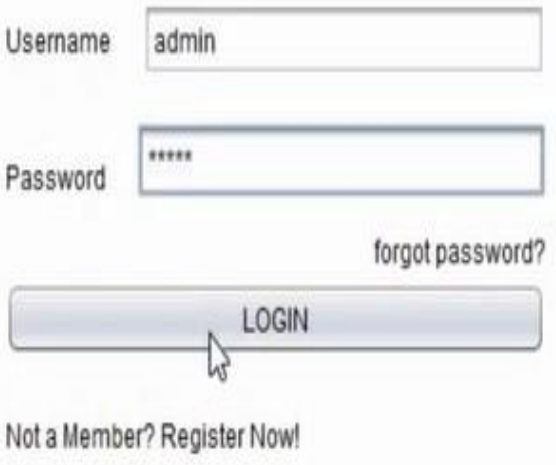
Chapter 4

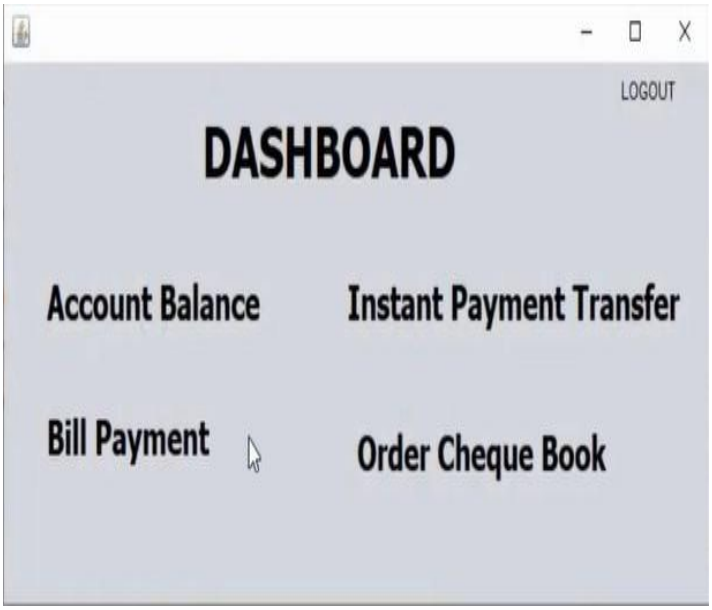
Performance Evaluation

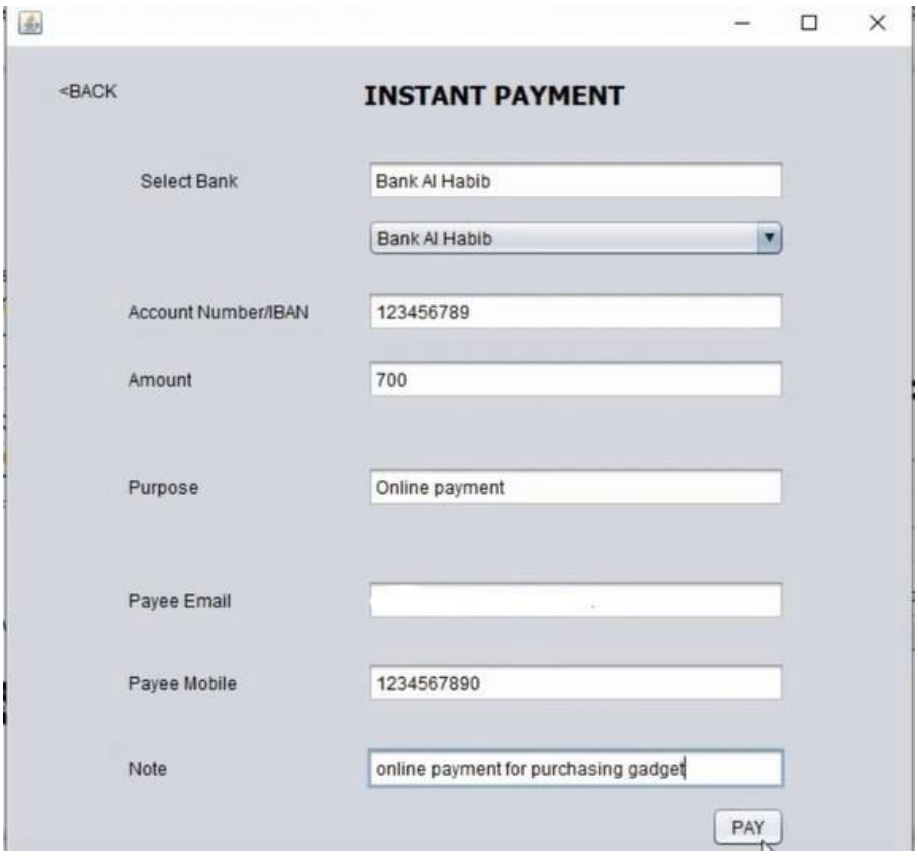
4.1 Results & Outcomes



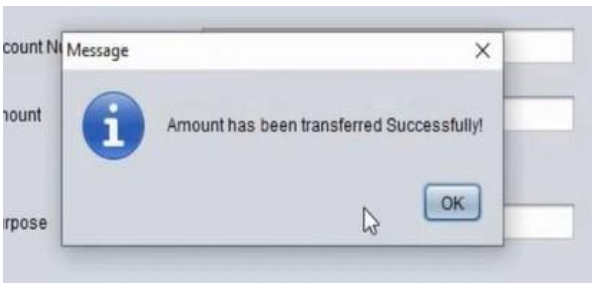


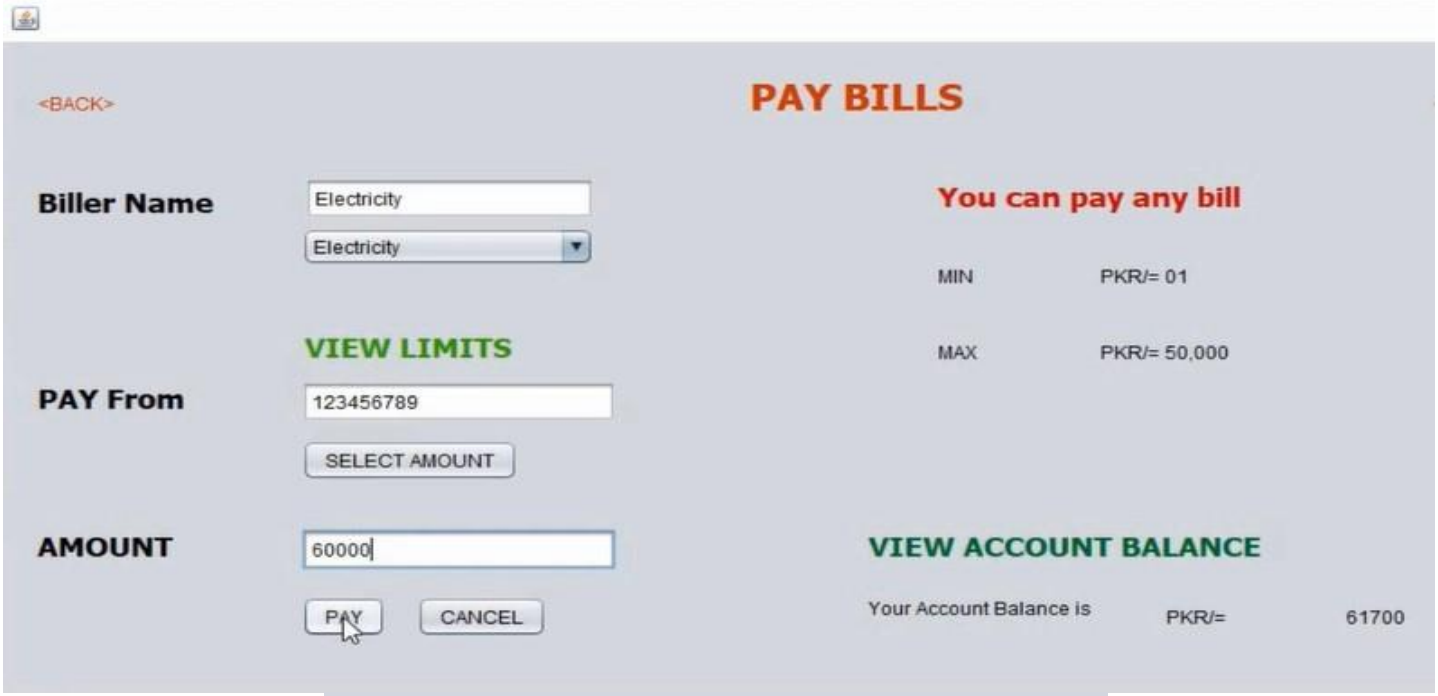

Username
admin
Password
*****
forgot password?
LOGIN
Not a Member? Register Now!

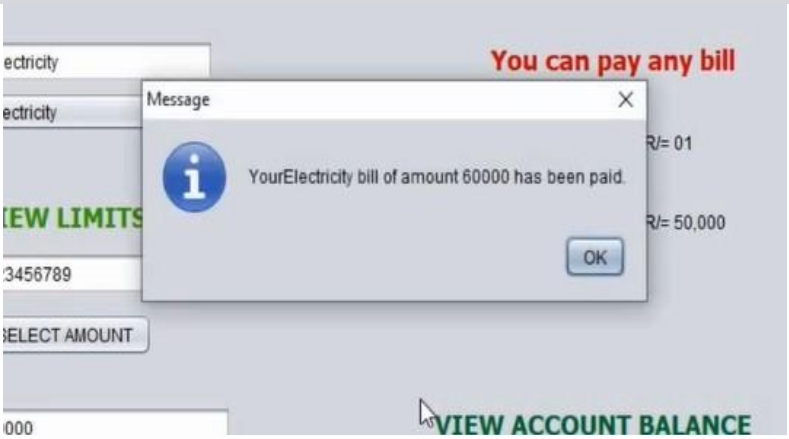

LOGOUT
DASHBOARD
Account Balance
Instant Payment Transfer
Bill Payment
Order Cheque Book

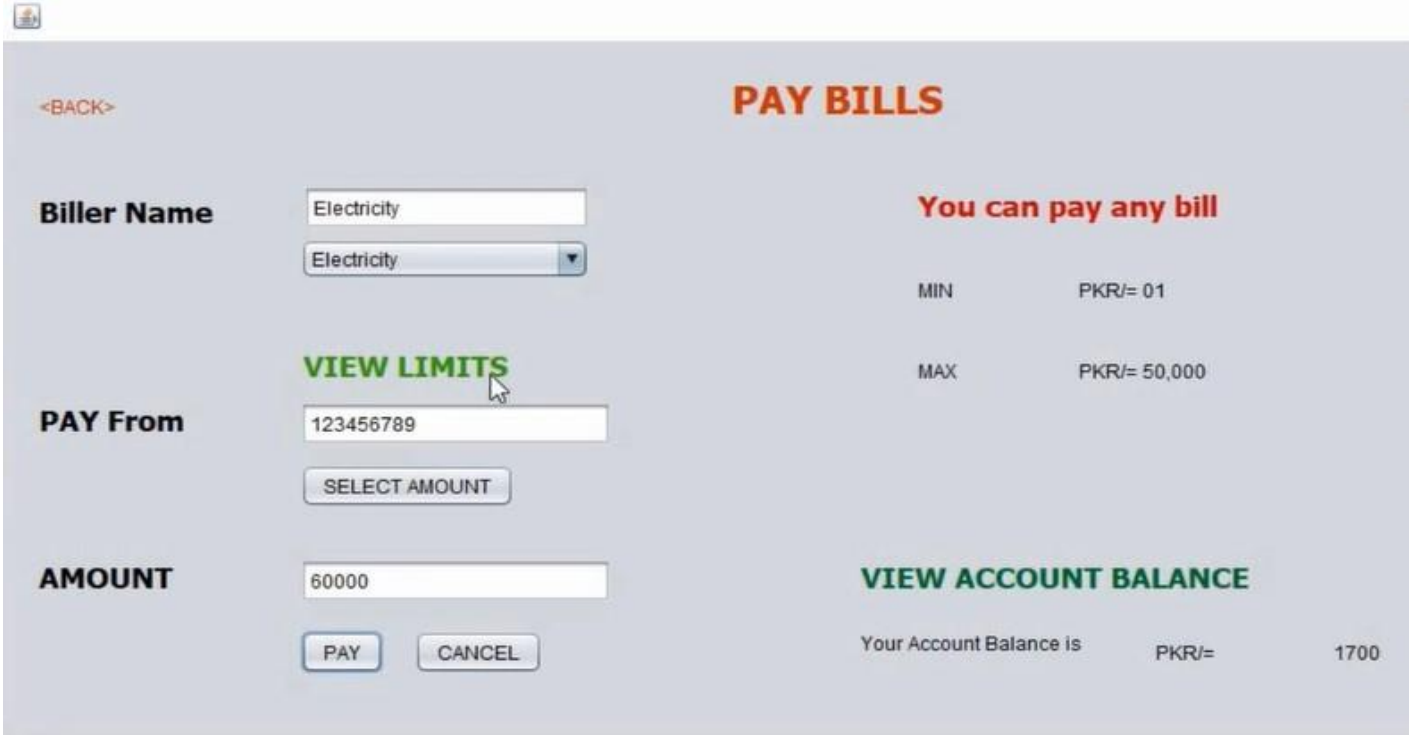

<BACK
INSTANT PAYMENT
Select Bank
Bank Al Habib
Bank Al Habib
Account Number/IBAN
123456789
Amount
700
Purpose
Online payment
Payee Email
Payee Mobile
1234567890
Note
online payment for purchasing gadget
PAY

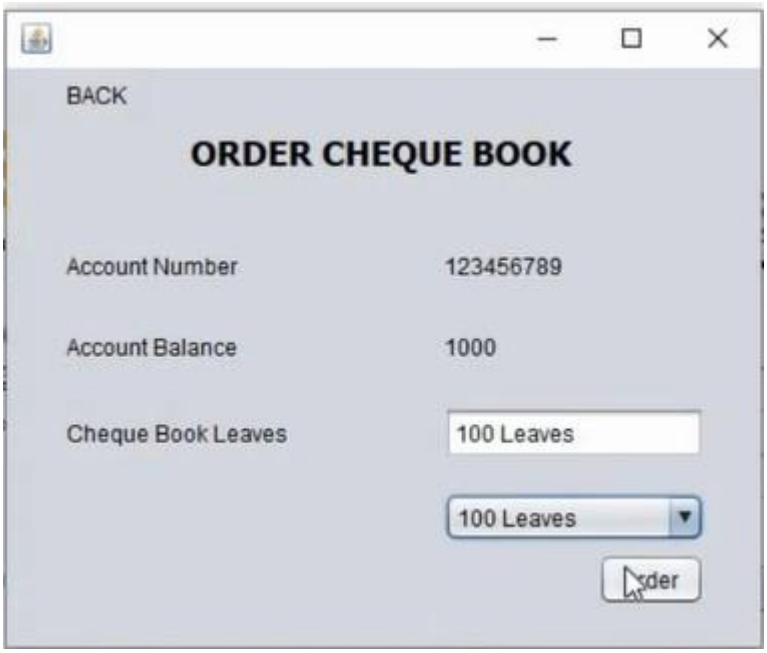
Back
ADD ACCOUNT BALANCE
Account Number
123456789
Enter Amount
700
SUBMIT
Show Balance
PKR/=
61700

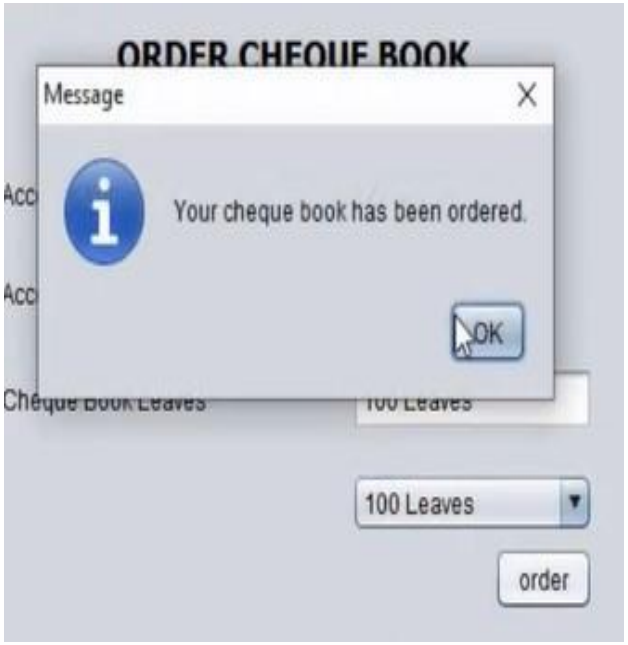

Message
Amount has been transferred Successfully!
OK


<BACK>
PAY BILLS
Biller Name
Electricity
Electricity
You can pay any bill
MIN
PKR/= 01
VIEW LIMITS
MAX
PKR/= 50,000
PAY From
123456789
SELECT AMOUNT
AMOUNT
60000
VIEW ACCOUNT BALANCE
PAY
CANCEL
Your Account Balance is
PKR/=
61700


You can pay any bill
Message
YourElectricity bill of amount 60000 has been paid.
OK
VIEW ACCOUNT BALANCE


<BACK>
PAY BILLS
Biller Name
Electricity
Electricity
You can pay any bill
MIN
PKR/= 01
VIEW LIMITS
MAX
PKR/= 50,000
PAY From
123456789
SELECT AMOUNT
AMOUNT
60000
VIEW ACCOUNT BALANCE
PAY
CANCEL
Your Account Balance is
PKR/=
1700





4.2 Scope of Future Work

1. Create This Project Application launching Play Store & Apple Store.
2. Create a wibeite and give to open source.
3. Adding Online shop in this project.
4. Adding All type of online payment.
5. Avoid manual process and converts it in automatic process

Chapter 5

Conclusion & References

5.1 Conclusion

Bank management system is a virtualization of transactions in banking system. The banking system are used manual working but when we used online banking system it is totally virtualization process which avoid manual process and converts it in automatic process . If user can make a transaction in bank management system it is available in any were also user can link a adhar with account, change branch location easily. Bank management system is saving the time with accuracy than bank manual system.

5.2 References

[1] Cronin , Mary J. (1997). Banking and finance on the internet , john wiley and sone . ISBN 0-471-29219-2 page 41 from banking and finance on the internet retrieved 2001-07-10.

[2] ”Safe Internet Banking”GoBankingRates.FDIC, 2016-01-11. Retrieved 2016-07-20.

[3] "The Home Banking Dilemma" Retrieved 2008-07- 10.

[4] Security Flaws in Online Banking Sites Found to be Widespread Newswise, Retrieved on July 23, 2008

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