BANK MANAGEMENT SYSTEM

PROJECT REPORT

(PHASE - I)

Submitted by

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| **S.ANANTHAN** | **REG.NO: 17TD0909** |
| **K.S.ARAVIND**  **S.ARUN KUMAR**  **P.AVINASH** | **REG.NO: 17TD0910**  **REG.NO.:17TD0911**  **REG.NO.:17TD0912** |
|  |  |

Under the Guidance of

Ms.REKHA

Professor

*In partial fulfillment of the requirement for the award of the Degree of*

BACHELOR OF TECHNOLOGY IN

COMPUTER SCIENCE AND ENGINEERING PONDICHERRY UNIVERSITY



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY KALITHEERTHALKUPPAM, PUDUCHERRY - 605 107.

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# MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**BONAFIDE CERTIFICATE**

This is to certify that the Project Work titled **“BANK MANAGEMENT**” is a bonafide work done by **S.ANANTHAN**[REGISTER NO: 17TD0909],

**K.S.ARAVIND**[REGISTER NO: 17TD0910],**S.ARUN KUMAR**[REGISTER NO: 17TD0911],**P.AVINASH**[REGISTER NO: 17TD0912] in partial fulfillment for the award of the degree of Bachelor of Technology in Computer Science And Engineering of the Pondicherry University during the academic year 2018-19.

Project guide Head of Department

Ms.REKHA Dr.S.PARISELVAM

Assistant Professor/CSE Dept. of CSE

**ACKNOWLEDGEMENT**

I am personally indebted to a number of persons that a complete acknowledgement would be encyclopedic. First of all, I love to record my deepest gratitude to the Almighty Lord and my family.

I express my sincere and heartfelt thanks to our Chairman and Managing Director **Shri. M.DHANASEKARAN** for all his encouragement and moral support. I also thank our Vice Chairman **Shri. S.V. SUGUMARAN** and our Secretary **Dr. K. NARAYANASAMY** for his support and encouragement.

It gives me great ecstasy of pleasure to convey my deep and sincere thanks to our Principal **Dr. S. MALARKKAN**, for giving constant motivation in succeeding my goal. With profoundness I would like to express my sincere thanks to our beloved Head of the Department, **Dr. S. PARISLEVAM**, Professor, Computer Science and Engineering, for his kindness in extending the infrastructural facilities to carry out my project work successfully.

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I would like to express my gratitude to all teaching and non-teaching staff members of our Department for the support they extended during the course of this project.

**BANK MANAGEMENT SYSTEM:**

**ABSTRACT:**

The Bank Account Management System is an application for maintaining a person's account in a bank. In this project I tried to show the working of a banking account system and cover the basic functionality of a Bank Account Management System. To develop a project for solving financial applications of a customer in banking environment in order to nurture the needs of an end banking user by providing various ways to perform banking tasks. Also to enable the user’s work space to have additional functionalities which are not provided under a conventional banking project. The Bank Account Management System undertaken as a project is based on relevant technologies. The main aim of this project is to develop software for Bank Account Management System. This project has been developed to carry out the processes easily and quickly, which is not possible with the manuals systems, which are overcome by this software. This project is developed using PHP, HTML language and MYSQL use for database connection. Creating and managing requirements is a challenge of IT, systems and product development projects or indeed for any activity where you have to manage a contractual relationship. Organization need to effectively define and manage requirements to ensure they are meeting needs of the customer, while proving compliance and staying on the schedule and within budget. The impact of a poorly expressed requirement can bring a business out of compliance or even cause injury or death. Requirements definition and management is an activity that can deliver a high, fast return on investment. The project analyzes the system requirements and then comes up with the requirements specifications. It studies other related systems and then come up with system specifications. The system is then designed in accordance with specifications to satisfy the requirements. The system design is then implemented with MYSQL, PHP and HTML. The system is designed as an interactive and content management system. The content management system deals with data entry, validation confirm and updating whiles the interactive system deals with system interaction with the administration and users. Thus, above features of this project will save transaction time and therefore increase the efficiency of the system.

**INTRODUCTION:**

The “Bank Account Management System” project is a model Internet Banking Site. This site

* The “Bank Account Management System” project is a model Internet Banking Site. This site enables the customers to perform the basic banking transactions by sitting at their office or at homes through PC or laptop. The system provides the access to the customer to create an account, deposit/withdraw the cash from his account, also to view reports of all accounts present. The customers can access the banks website for viewing their Account details and perform the transactions on account as per their requirements. With Internet Banking, the brick and mortar structure of the traditional banking gets converted into a click and portal model, thereby giving a concept of virtual banking a real shape. Thus today's banking is no longer confined to branches. E-banking facilitates banking transactions by customers round the clock globally.
* The primary aim of this “Bank Account Management System” is to provide an improved design methodology, which envisages the future expansion, and modification, which is necessary for a core sector like banking. This necessitates the design to be expandable and modifiable and so a modular approach is used in developing the application software. Anybody who is an Account holder in this bank can become a member of Bank Account Management System. He has to fill a form with his personal details and Account Number.
* Bank is the place where customers feel the sense of safety for their property. In the bank, customers deposit and withdraw their money. Transaction of money also is a part where customer takes shelter of the bank. Now to keep the belief and trust of customers, there is the positive need for management of the bank, which can handle all this with comfort and ease. Smooth and efficient management affects the satisfaction of the customers and staff members, indirectly. And of course, it encourages management committee in taking some needed decision for future enhancement of the bank.

* Now a days, managing a bank is a tedious job up to certain limit. So software that reduces the work is essential. Also today’s world is a genuine computer world and is getting faster and faster day-by-day. Thus, considering above necessities, the software for bank management has became necessary which would be useful in managing the bank more efficiently. All transactions are carried out online by transferring from accounts in the same Bank or international bank. The software is meant to overcome the drawbacks of the manual system.

**OBJECTIVES:**

1. **Business objectives :**
   1. Making profits.
   2. Providing services.
   3. Currency issue.
   4. Creation of transaction media.
   5. Receiving deposit.
   6. Making loan.
   7. Ensuring safety.
   8. Investment.
2. **Social objective :**
   1. Creating savings.
   2. Capital formation.
   3. Industrialization.
   4. Employment.
   5. Developing living standard.
   6. Economic development.
   7. Supplying information.
   8. Advising.
   9. Representation.

**SOME SIGNIFICANT ADVANTAGES OF BANK MANAGEMENT SYSTEM:**

Rapid growth and wide popularity of branch banking system in the 20th century are due to various advantages as discussed below.

**1. Economies of Large Scale Operations:**

Under the branch banking system, the bank with a number of branches possesses huge financial resources and enjoys the benefits of large-scale operations,

(a) Highly trained and experienced staff is appointed which increases the efficiency of management,

(b) Division of labour is introduced in the banking operations which ensures greater economy in the working of the bank. Right persons are appointed at the right place and specialisation increases,

(c) Funds are made available liberally and at cheaper rates,

(d) Foreign exchange business is done economically,

(e) Large financial resources and wider geographical coverage increases public confidence in the banking system.

**2. Spreading of Risk:**

Another advantage of the branch banking system is the lesser risk and greater capacity to meet risks,

(a) Since there is geographical spreading and diversification of risks, the possibility of the failure of the of the bank is remote,

(b) The losses incurred by some branches may be offset by the profits earned by other branches,

(c) Large resources of branch banks increase their ability to face any crisis.

**3. Economy in Cash Reserves:**

Under the branch banking system, a particular branch can operate without keeping large amounts of idle reserves. In time of the need, resources can be transferred from one branch to another.

**4. Diversification on Deposits and Assets:**

There is greater diversification of both deposits and assets under branch banking system because of wider geographical coverage,

(a) Deposits are received from the areas where savings are in plenty,

(b) Loans are extended in those areas where funds are scarce and interest rates are high. The choice of securities and investments is larger in this system which increases the. safety and liquidity of funds.

**5. Cheap Remittance Facilities:**

Since bank branches are spread over the whole country, it is easier and cheaper to transfer funds from one place to another. Inter-branch indebtedness is more easily adjusted than inter-bank indebtedness.

**6. Uniform Interest Rates:**

Under branch banking system, mobility of capital increases, which in turn, brings about equality in interest rates. Funds are transferred from areas with excessive demand for money to areas with deficit demand for money. As a result, the uniform rate of interest prevails in the whole area; it is prevented from rising in the excessive demand area and from falling in the deficit demand area.

**7. Proper Use of Capital:**

There is proper use of capital under the branch banking system. If a branch has excess reserves, but no opportunities for investment, it can transfer the resources to other branches which can make most profitable use of these resources.

**8. Better Facilities to Customers:**

The customers get better and greater facilities under the branch banking system. It is because of the small number of customers per branch and the increased efficiency achieved through large scale operations.

**9. Banking Facilities in Backward Areas:**

Under the branch banking system, the banking facilities are not restricted to big cities. They can be extended to small towns and rural as well as underdeveloped areas,. Thus, this system helps in the development of backward regions of the country.

**10. Effective Control:**

Under the branch banking system, The Central bank than have a more efficient control over the banks because it has to deal only with few big banks and nor with each individual branch. This ensures better implementation of monetary policy.

**SOURCE CODE:**

import javax.swing.\*;

import java.awt.\*;

import java.sql.\*;

import java.awt.event.\*;

class register implements ActionListener

{

JButton buttonaccept;

JButton buttondelete;

JButton buttonupdate;

JButton buttonclear;

JButton buttonclose;

JButton buttonback;

JFrame frame;

JPanel panel;

JLabel labelhead;

JLabel labelacctname;

JLabel labelacctno;

JLabel labelaccttype;

JLabel labeldate;

JLabel labeladdress;

JLabel labelphone;

JLabel labelemail;

JTextField textacctname;

JTextField textacctno;

JTextField textaccttype;

JTextField textdate;

JTextField textaddress;

JTextField textphone;

JTextField textemail;

public register()

{

panel=new JPanel();

panel.setLayout(null);

frame=new JFrame("New Customer Registration");

frame.setSize(1000,800);

frame.setVisible(true);

frame.getContentPane().add(panel);

panel.setBackground(Color.LIGHT\_GRAY);

labelhead=new JLabel("REGISTRATION FORM");

labelacctname=new JLabel("ACCOUNT NAME");

labelacctno=new JLabel("ACCOUNT NUMBER");

labelaccttype=new JLabel("ACCOUNT TYPE");

labeldate=new JLabel("DATE OPENED");

labeladdress=new JLabel("ADDRESS");

labelphone=new JLabel("PHONE NUMBER");

labelemail=new JLabel("EMAIL");

textacctname=new JTextField(20);

textacctno=new JTextField(20);

textaccttype=new JTextField(30);

textdate=new JTextField(30);

textaddress=new JTextField(30);

textphone=new JTextField(30);

textemail=new JTextField(30);

panel.add(labelhead);

panel.add(labelacctname);

panel.add(textacctname);

panel.add(labelacctno);

panel.add(textacctno);

panel.add(labelaccttype);

panel.add(textaccttype);

panel.add(labeldate);

panel.add(textdate);

panel.add(labeladdress);

panel.add(textaddress);

panel.add(labelphone);

panel.add(textphone);

panel.add(labelemail);

panel.add(textemail);

buttonaccept=new JButton("Add");

panel.add(buttonaccept);

buttonaccept.addActionListener(this);

buttondelete=new JButton("Delete");

panel.add(buttondelete);

buttondelete.addActionListener(this);

buttonupdate=new JButton("Update");

panel.add(buttonupdate);

buttonupdate.addActionListener(this);

buttonclear=new JButton("Clear");

panel.add(buttonclear);

buttonclear.addActionListener(this);

buttonclose=new JButton("Close");

panel.add(buttonclose);

buttonclose.addActionListener(this);

buttonback=new JButton("Back");

panel.add(buttonback);

buttonback.addActionListener(this);

labelhead.setBounds(690,70,120,10);

labelacctname.setBounds(570,150,120,20);

textacctname.setBounds(840,150,120,20);

labelacctno.setBounds(570,200,120,20);

textacctno.setBounds(840,200,120,20);

labelaccttype.setBounds(570,250,120,20);

textaccttype.setBounds(840,250,120,20);

labeldate.setBounds(570,300,120,20);

textdate.setBounds(840,300,120,20);

labeladdress.setBounds(570,350,120,20);

textaddress.setBounds(840,350,120,20);

labelphone.setBounds(570,400,120,20);

textphone.setBounds(840,400,120,20);

labelemail.setBounds(570,450,120,20);

textemail.setBounds(840,450,120,20);

buttonaccept.setBounds(270,550,120,20);

buttondelete.setBounds(470,550,120,20);

buttonupdate.setBounds(670,550,120,20);

buttonclear.setBounds(870,550,120,20);

buttonclose.setBounds(1070,550,120,20);

buttonback.setBounds(1270,550,120,20);

}

public static void main(String ar[])

{

new register();

}

public void actionPerformed(ActionEvent ae)

{

if(ae.getSource()==buttonaccept)

{

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection c=DriverManager.getConnection("jdbc:mysql://localhost/college","root","root");

PreparedStatement stat2=c.prepareStatement("insert into student (acctname,acctno,accttype,date,adddress,phone,email)values(?,?,?,?,?,?,?)");

stat2.setString(1,textacctname.getText());

stat2.setString(2,textacctno.getText());

stat2.setString(3,textaccttype.getText());

stat2.setString(4,textdate.getText());

stat2.setString(5,textaddress.getText());

stat2.setString(6,textphone.getText());

stat2.setString(7,textemail.getText());

stat2.executeUpdate();

JOptionPane.showMessageDialog(frame,new String("U'r details have been registered"));

}

catch(Exception e)

{

JOptionPane.showMessageDialog(frame,new String("error encountered"+e));

}

}

if(ae.getSource()==buttonclear)

{

textacctname.setText("");

textacctno.setText("");

textaccttype.setText("");

textdate.setText("");

textaddress.setText("");

textphone.setText("");

textemail.setText("");

}

if(ae.getSource()==buttonclose)

{

new sam();

frame.dispose();

}

if(ae.getSource()==buttondelete)

{

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection c=DriverManager.getConnection("jdbc:mysql://localhost/college","root","root");

PreparedStatement stat2=c.prepareStatement("delete from student where acctname='"+textacctname.getText()+"'");

stat2.executeUpdate();

JOptionPane.showMessageDialog(frame,new String("U'r details have been deleted"));

}

catch(Exception e)

{

JOptionPane.showMessageDialog(frame,new String("error encountered"+e));

}

}

if(ae.getSource()==buttonupdate)

{

try

{

Class.forName("com.mysql.jdbc.Driver").newInstance();

Connection c=DriverManager.getConnection("jdbc:mysql://localhost/college","root","root");

PreparedStatement stat2=c.prepareStatement("update student Set acctno='"+textacctno.getText()+"',accttype='"+textaccttype.getText()+"',date='"+textdate.getText()+"',address='"+textaddress.getText()+"',phone='"+textphone.getText()+"',email='"+textemail.getText()+"'");

stat2.executeUpdate();

JOptionPane.showMessageDialog(frame,new String("U'r details have been updated"));

}

catch(Exception e)

{

JOptionPane.showMessageDialog(frame,new String("error encountered"+e));

}

}

if(ae.getSource()==buttonback)

{

new welto();

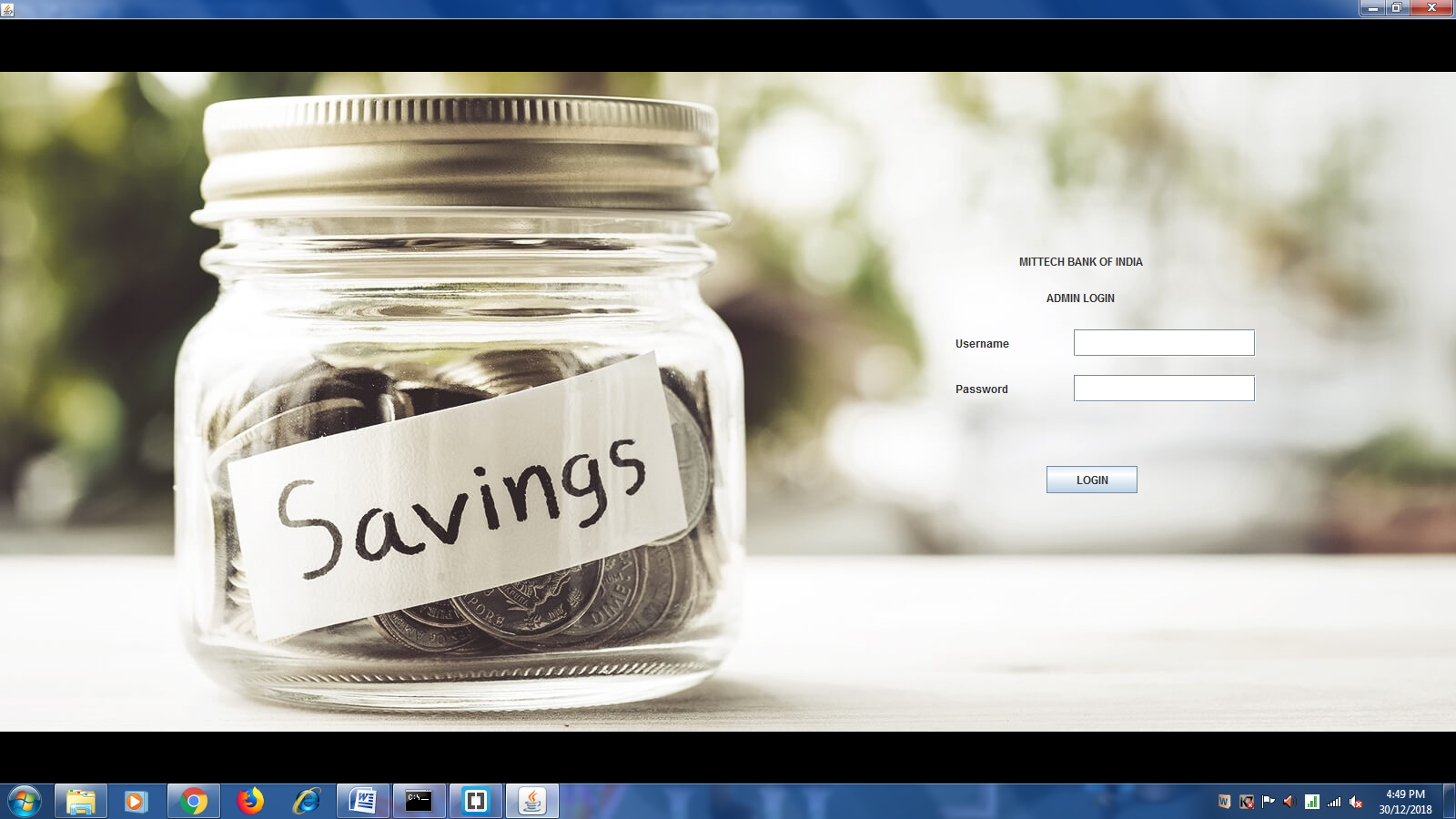
frame.dispose();

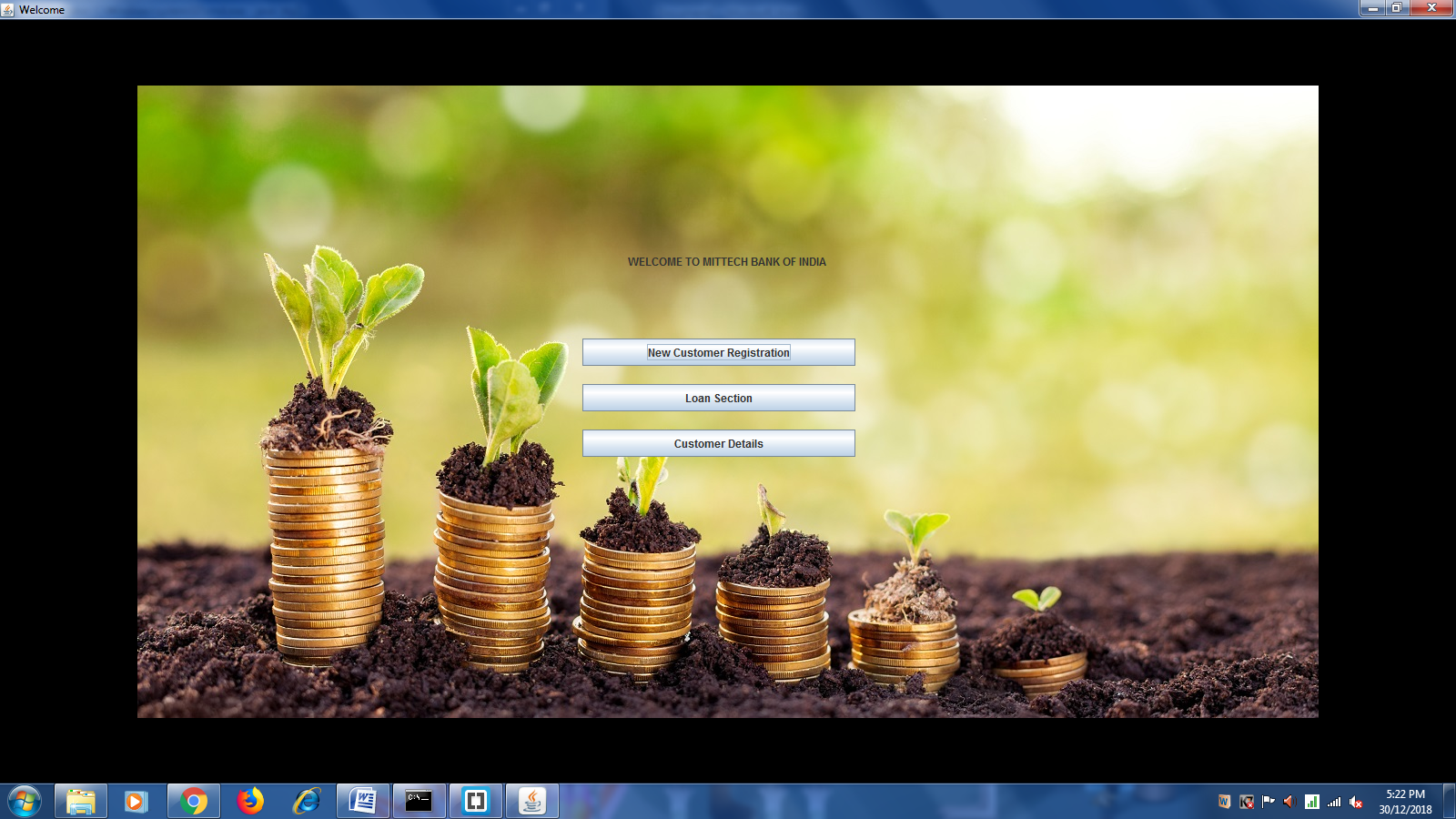
}

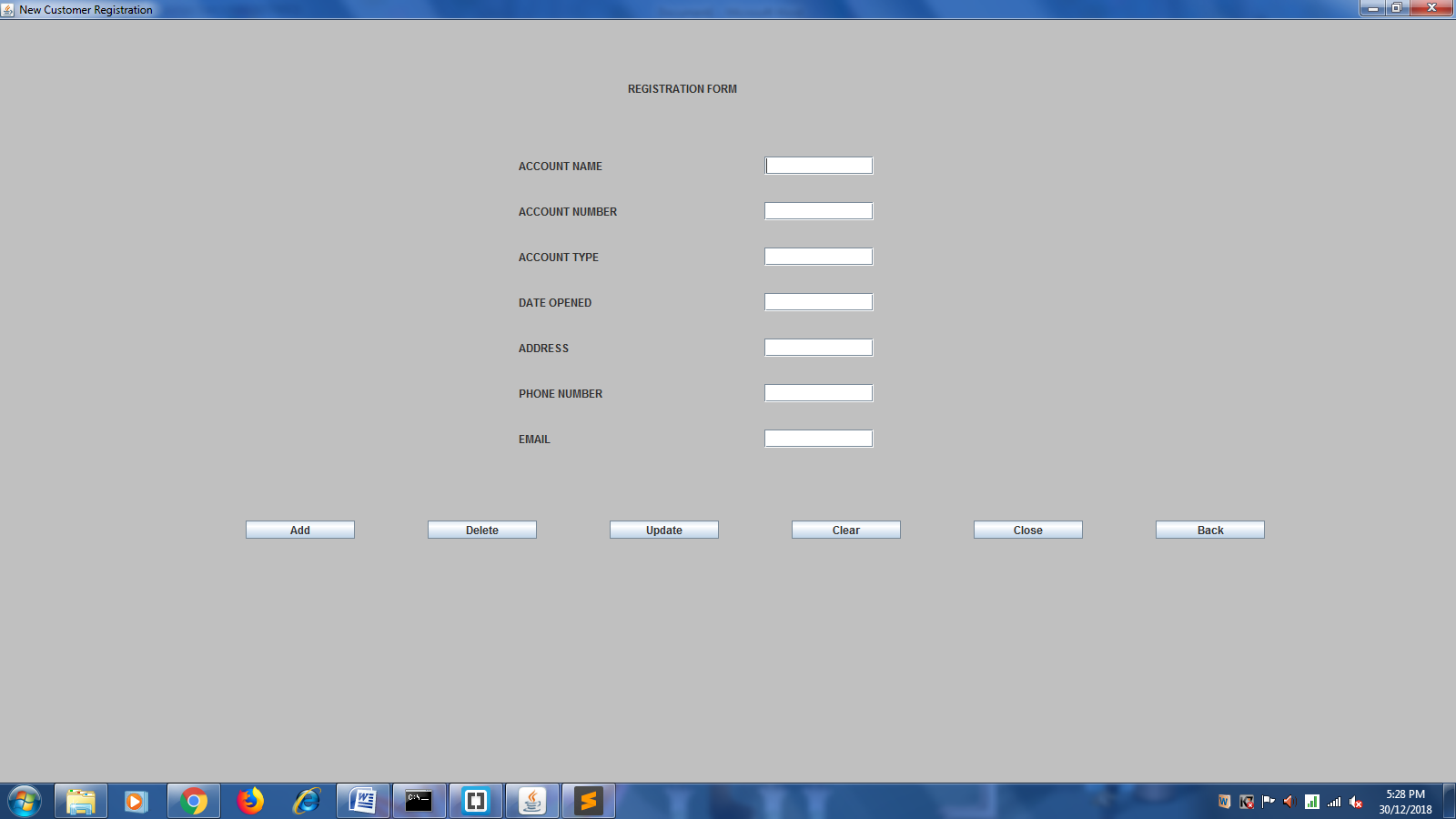
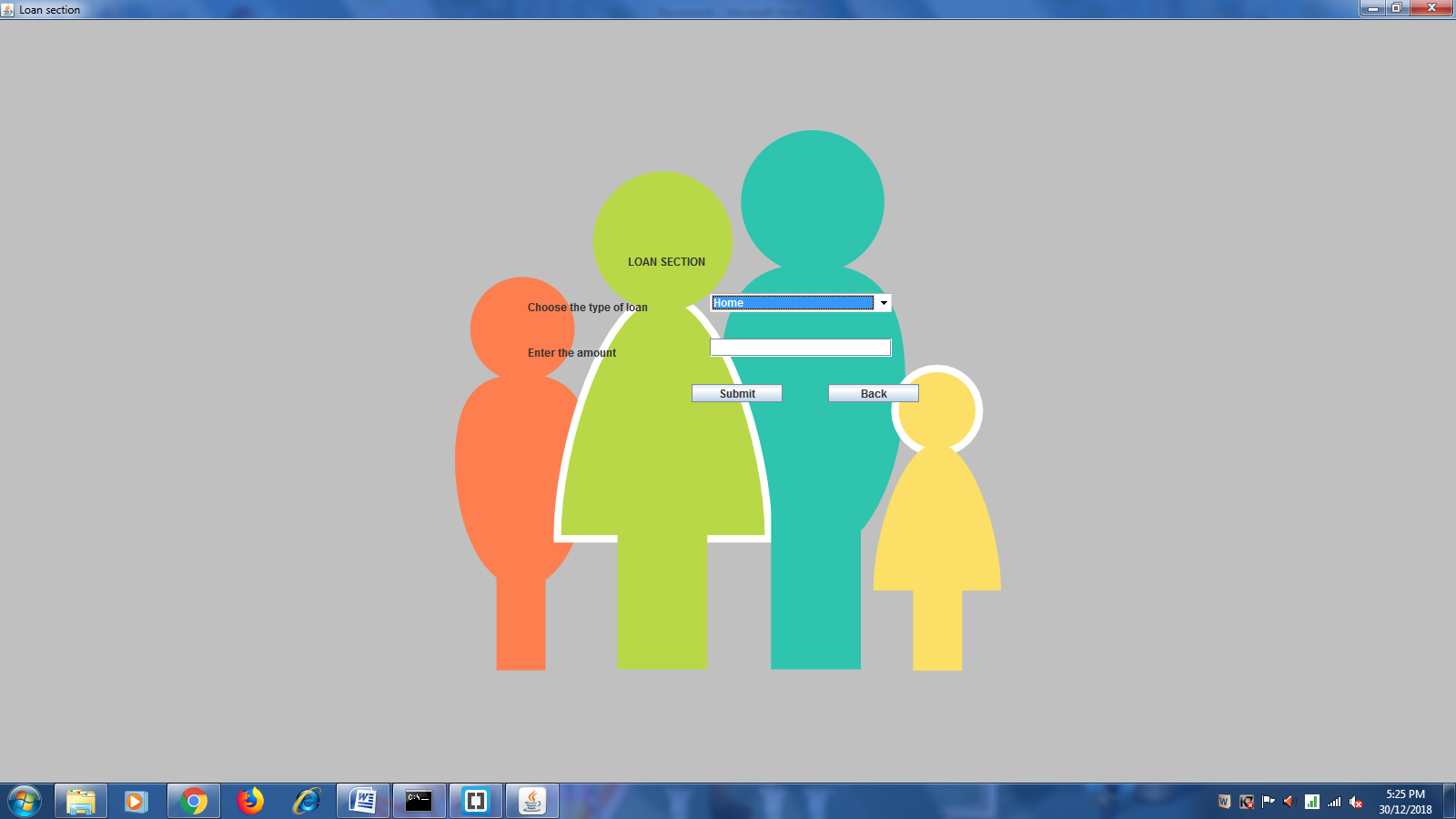
}

}

**OUTPUT:**





**

