SONOPANT DANDEKAR SHIKSHAN MANDALI'S

A

Project Report On

EMPLOYEES, ATTENDANCE AND PAYROLL MANAGEMENT SYSTEM

SUBMITTED BY

Mr.ROHIT RAOSAHEB PHATANGARE

66032

UNDER THE GUIDANCE OF

Prof.TEJAL PATIL

THIRD-YEAR BACHELOR OF SCIENCE

IN

COMPUTER SCIENCE

SEMESTER-V

MUMBAI UNIVERSITY

2021-2022

SONOPANT DANDEKAR SHIKSHAN MANDALI'S

SONOPANT DANDEKAR ARTS, V.S. APTE COMMERCE

AND M.H. MEHTA SCIENCE COLLEGE,

PALGHAR-401404.

Department of Computer Science.

CERTIFICATE

This is to certify that **ROHIT RAOSAHEB PHATANGARE** is a student studying in TY.BSC.CS SEM V. She has completed project work entitled **FEES MANAGEMENT SYSTEM** under the guidance of Faculty Member **Prof. TEJAL PATIL** satisfactorily and has submitted it to the University of Mumbai in partial fulfillment of the requirement during the academic year 2020-2021. The matter presented in the project report has not been submitted earlier.

College Stamp

_____	_____	_____
H.O.D	**Project Guide**	**External**

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ACKNOWLEDGEMENT

The gratification and joy that accompanies the successful completion of any task would be incomplete without the humble and deep-felt expression of gratitude to everyone who has made it possible.

I would like to extend my heartfelt gratitude to **Asst Prof. RASHMI VARADE** who gave me an opportunity to work under her guidance in this department.

Further would like to place on record my grateful thanks to friends and family who spent their valuable time in guiding me in this project, whose cooperation and encouragement, has immensely helped in the completion of the project.

I also would like to convey my sincere thanks to Prof.TEJAL PATIL my internal project guide, who has been a constant source of motivation and inspiration and has helped in bringing out the best in me. I am also thankful to all staff members of the computer science department who as a team have contributed to the successful completion of this project.

Place: Palghar

Date:

Rohit Phatangare

Download and Installation Instructions

for

Java JDK Software for Windows

Updated November 2018

Let's Get Started!

Note: All highlights below are added for emphasis and are not present on the actual pages.

Downloading the JDK

To download the Java Development Kit (JDK), launch your web browser (e.g. Internet Explorer) and go to this address:

http://www.oracle.com/technetwork/java/javase/downloads/index.html.

This page shows many download options. The top of the page shows the most current JDK download options (e.g. JDK 11).

Click on the download button that corresponds to the Oracle Java JDK. Note that more recent versions of Java may be available by the time you begin your course. It is OK to install the latest Java version for your coursework. You may, however, choose to install an earlier version by scrolling down on this same page. After clicking on the Download button for the Java Platform, you will arrive at the download page. Scroll down to the first download block which contains individual links for each operating system. You need to click the "Accept License Agreement" radio button and then click on the link for your particular operating system. Choose the "Windows" line to download the ".exe" installation (avoid the ".zip" file).

Your exact filenames may vary depending on the actual JDK version.

Java SE Development Kit 11.0.1

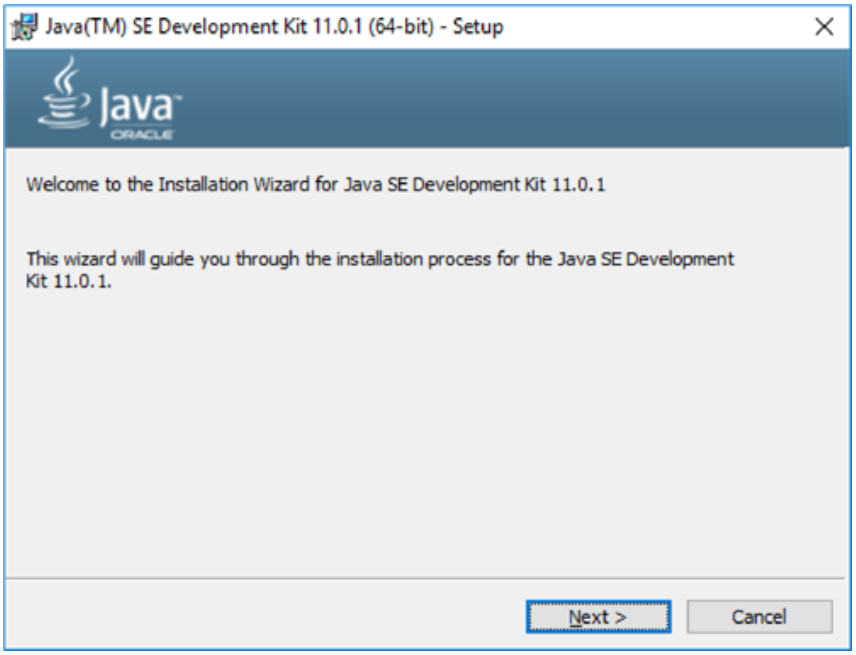
You must accept the Oracle Technology Network License Agreement for Oracle Java SE to download this software.

○ Accept License Agreement ◉ Decline License Agreement

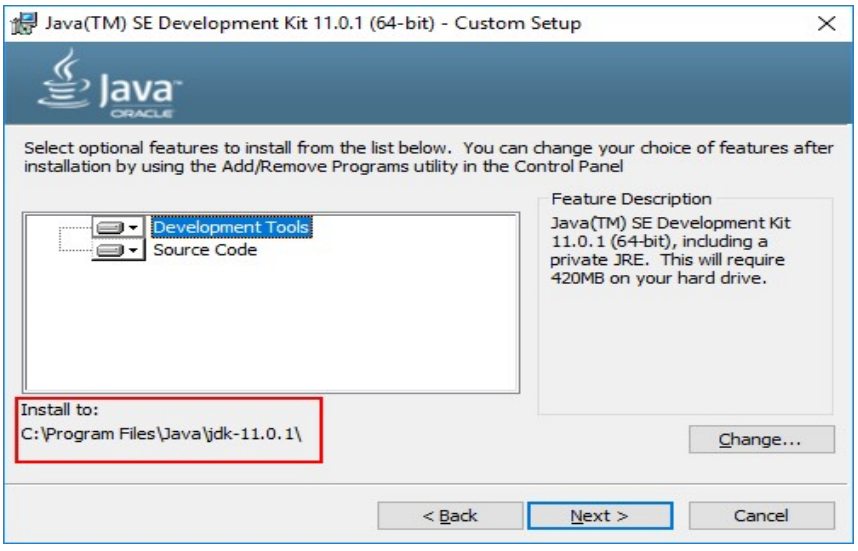
Product / File Description	File Size	Download
Linux	147.4 MB	jdk-11.0.1_linux-x64_bin.deb
Linux	154.09 MB	jdk-11.0.1_linux-x64_bin.rpm
Linux	171.43 MB	jdk-11.0.1_linux-x64_bin.tar.gz
macOS	166.2 MB	jdk-11.0.1_osx-x64_bin.dmg
macOS	166.55 MB	jdk-11.0.1_osx-x64_bin.tar.gz
Solaris SPARC	186.8 MB	jdk-11.0.1_solaris-sparcv9_bin.tar.gz
Windows	150.98 MB	jdk-11.0.1_windows-x64_bin.exe
Windows	170.99 MB	jdk-11.0.1_windows-x64_bin.zip

As soon as you click to download the file, a pop-up window will appear with options to "Save", "Save File", or similar phrasing. The look of this window will depend on the version of Windows and the Internet browser you are using to download the file. Select "Save File" or "Save" to save the file to a location on your local hard drive. You can save it to your Desktop or some other file folder. Remember this location so you can find it later! Some browsers may have a very different download experience, so follow the windows for your browser.

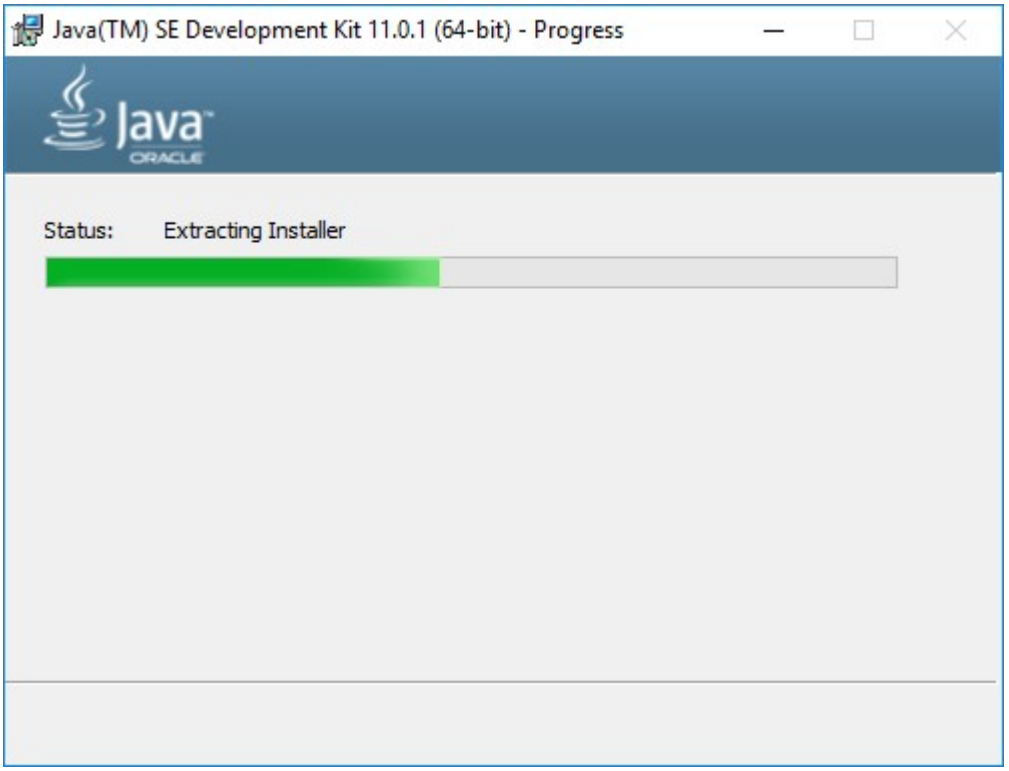
Oracle updates the exact version of the JDK frequently. Our examples show JDK version 11, but keep in mind that the version available to you at the time of download will be different as Oracle releases new patches.Once the file is saved, use your Windows Explorer to find and run the program by double-clicking in it. Depending on your version of Windows and security settings you may get a security popup; click on "Run" or "OK" to continue. When setup is launched you should see the following screen:



This is the first screen in the install process. Click “Next” to continue. This next screen lists all the possible JDK options that can be installed. Since we will be covering the basics of Java in this course, you can just accept the defaults and simply click on the “Next” button to continue. There is no need to make any changes on this screen.



Write down the “Install to:” location as you will need this path for a later activity! The JRE is automatically installed as part of the JDK, and you will use the “Install to:” path to access both JRE and JDK components. The next screen will display a simple progress bar while the JDK files are being installed. This process could take anywhere from seconds to minutes, depending on the speed of your computer.



When the JDK is finished installing, you should see a confirmation page similar to the one below. Simply click the “Close” button to finish. Registration of the JDK with Oracle is not required. If you are prompted for registration of any kind, you can cancel out of or close those windows.

Congratulations! You have finished the installation of the JDK and JRE on your Windows computer.

INSTALLATION OF MySQL

1. Download MySQL Installer from

https://dev.mysql.com/downloads/installer/ and execute it.

2. Determine the setup type to use for the initial installation of MySQL products. For example:

    a. **Developer Default**: Provides a setup type that includes the selected version of MySQL Server and other MySQL tools related to MySQL development, such as MySQL Workbench.
    b. **Server Only**: Provides a setup for the selected version of MySQL Server without other products.
    c. **Custom**: Enables you to select any version of MySQL Server and other MySQL products.

3. Install the server instance (and products) and then begin the server configuration by following the on-screen instructions.

For more information about each individual step, see Section 2.3.3.3.1, "MySQL Server Configuration with MySQL Installer". MySQL is now installed. If you configured MySQL as a service, then Windows automatically starts the MySQL server every time you restart the system. Also, this process installs the MySQL Installer application on the localhost, which you can use later to upgrade or reconfigure the MySQL server.

Topic: FEE MANAGEMENT SYSTEM

Name: Rohit Raosaheb Phatangare . **Roll No**.= 66032

INTRODUCTION :

- The main of this system is to develop a fee management system by using Java (Swing) language.
- This system mainly reduces the work task and it is easy to maintain the records for a long time than normal handwritten records.
- The user can check his record details by just entering his name no need to search all the records. With the help of this system fee calculations can be done very easily by this system.
- So the maintenance and management of fees became very easy.
- Our project is very useful. The user is no longer required to check his register in search of records, as now it can be searched over the software by choosing some options.
- In a nutshell, it abates the workload of an organization. So this project is about providing convenience regarding the “fee management system.”
- The user need not to type in most of the information. He/she is just required to enter the desired options. On the whole it liberates the user from keeping lengthy manual records.

PROPOSED SYSTEM:

The following documentation is a project the “FEE MANAGEMENT SYSTEM”. In this new fee management system, the difference between the old fee system and the new fee system is shown. The new system can overcome the old fee system by adding some additional features like it is totally computerized and data can be easily maintained in a database for a long time.

DESCRIPTION:

Before developing software we keep following things in mind that we can develop powerful and quality software.

PROBLEM STATEMENT:

- Which is user friendly
- Which will restrict the user from accessing other users' data.
- Which will help the user in viewing his data and privileges.
- Which will help the administrator to handle all the changes.

FUNCTIONS TO BE PROVIDED:

- It should also provide a view, Add, delete features for a better fee management system
- The system will be customized according to needs.

SYSTEM REQUIREMENTS:

Operating system: MS Windows XP or Windows,7,10

Language: Java (Swing) Language

Processor: Pentium IV Processor,i3,i5 Processor

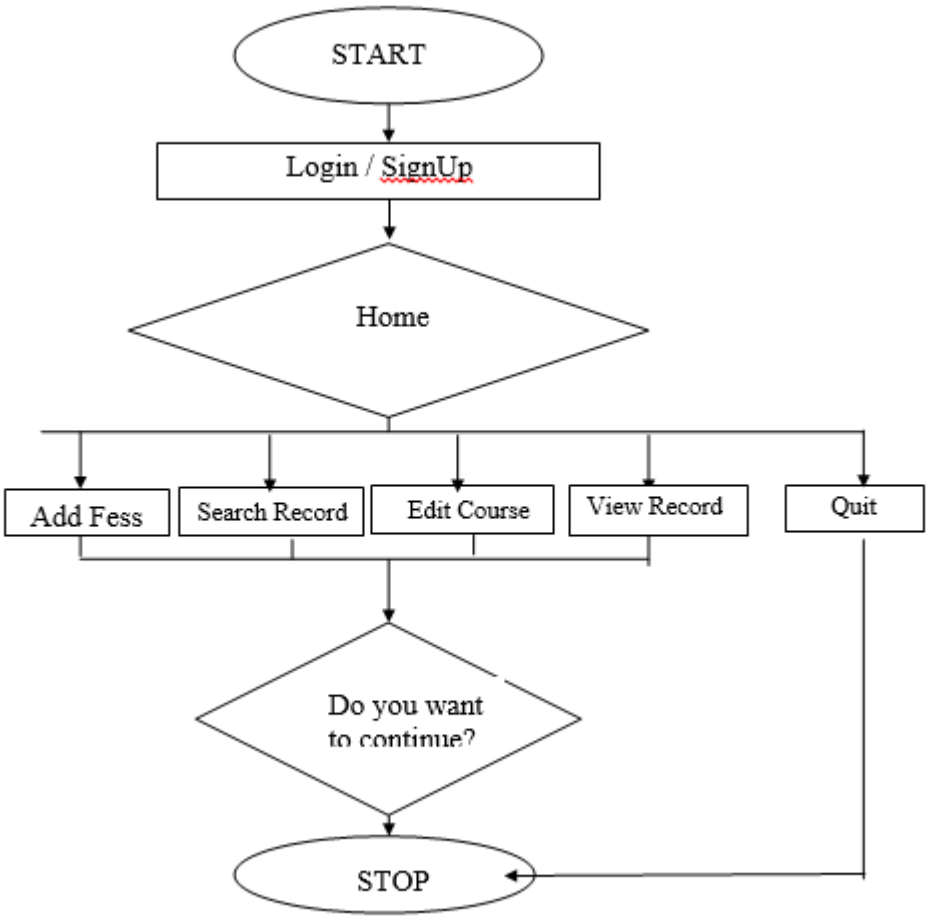
RAM: 512 MB

Hard disk: 5 GB

CONCLUSION

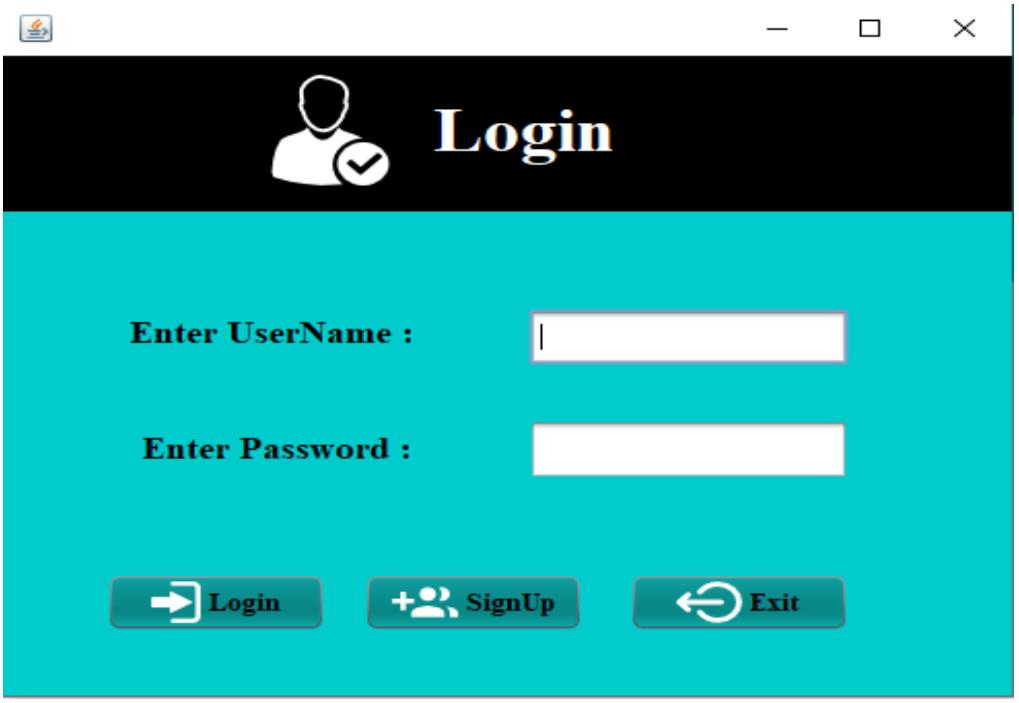
From this project, we can conclude that if this program is very useful in fee management as it provides more convenience than manual work. It provides easy methods to manage the load of work easily for the users. It is much fast and more efficient as the data once entered can be modified and accessed easily. The program can be used per the requirement of the user as it is very easy to understand.

FLOW CHART

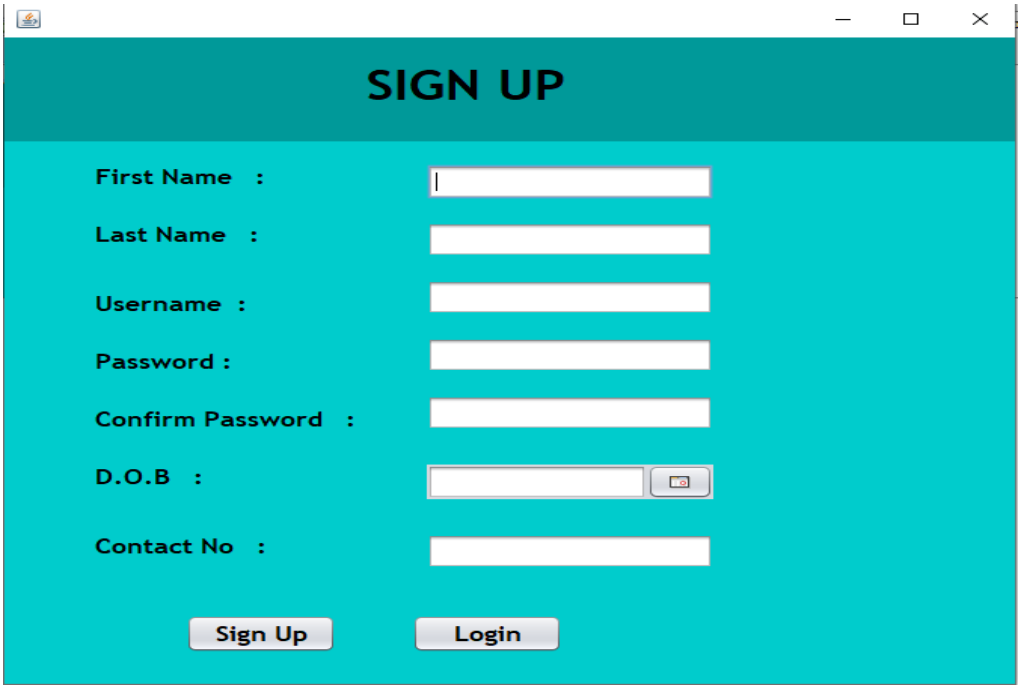


LAYOUT :-

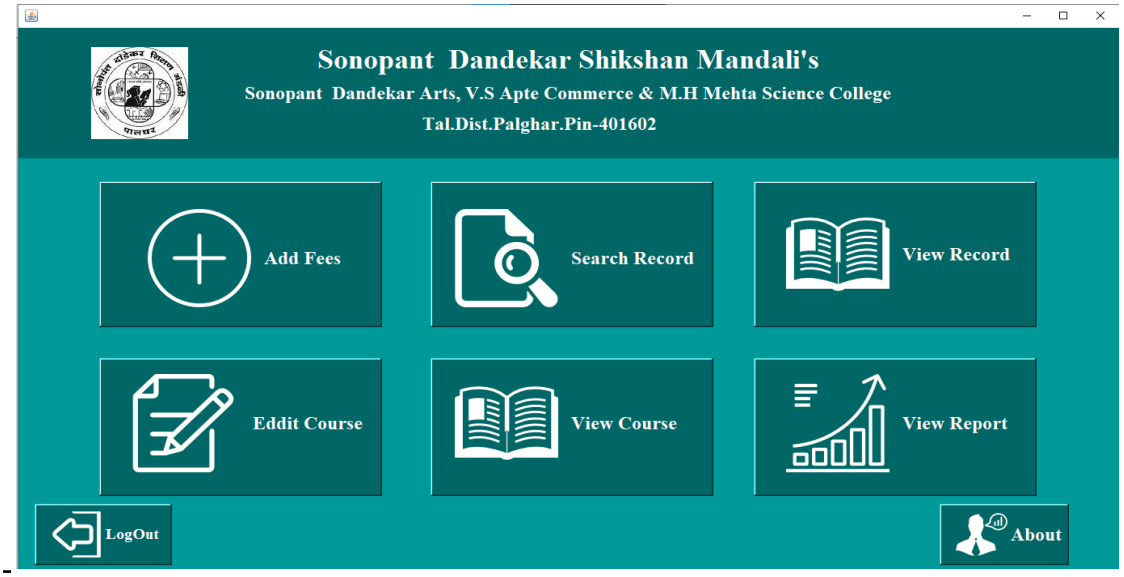
1)Login Page :-



2) Sign Up Page :-

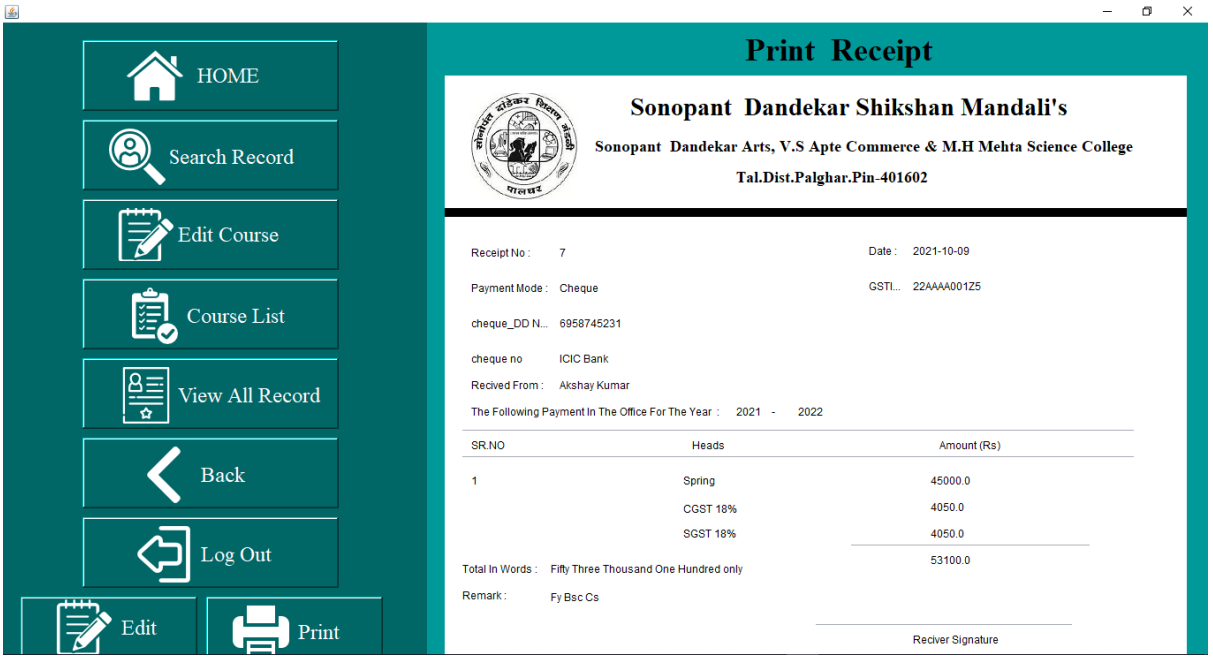


3)Home Page :-

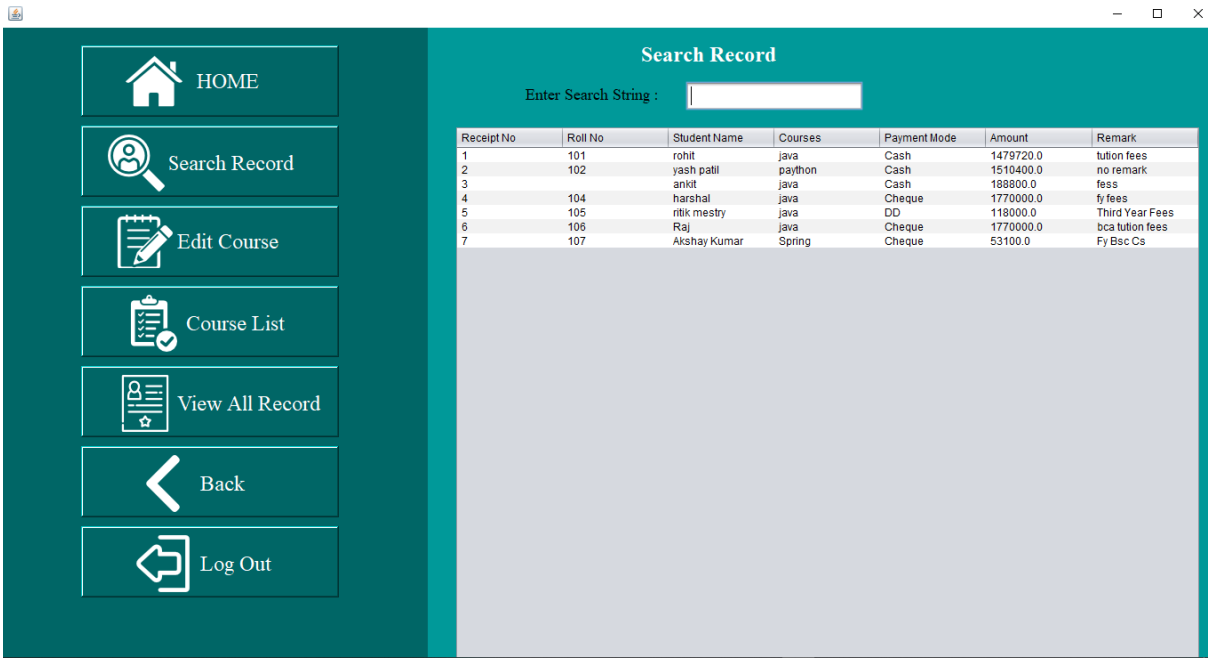


4)Add Fees Page :-

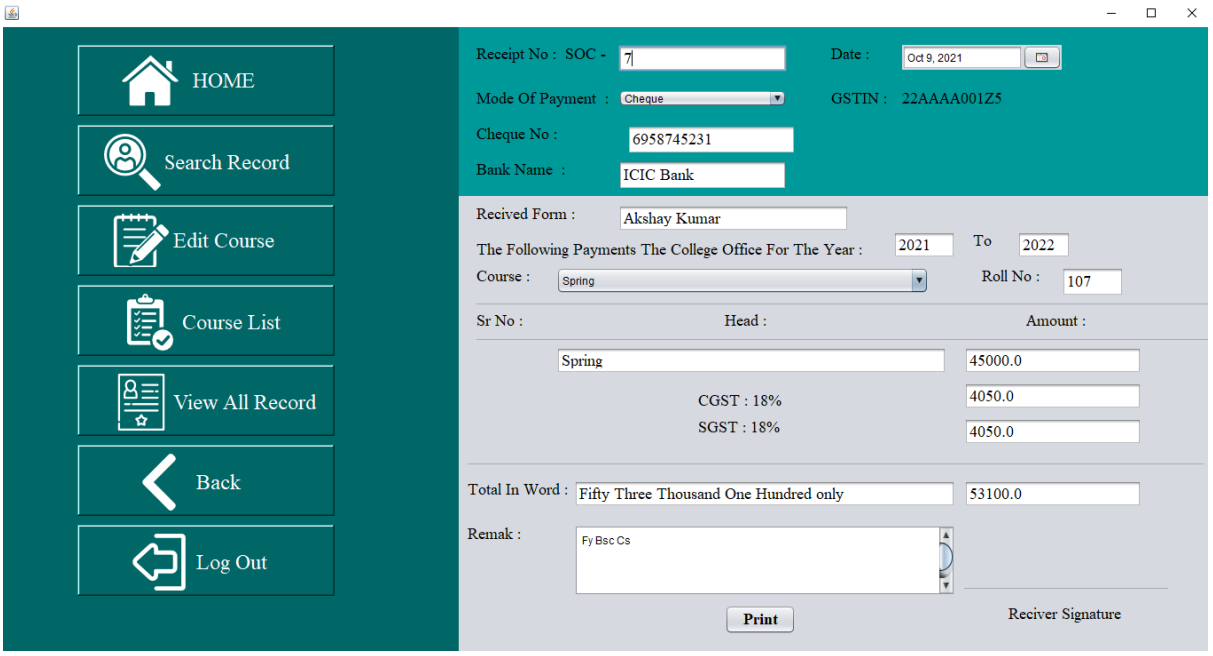
5) Print Reciept Page :-



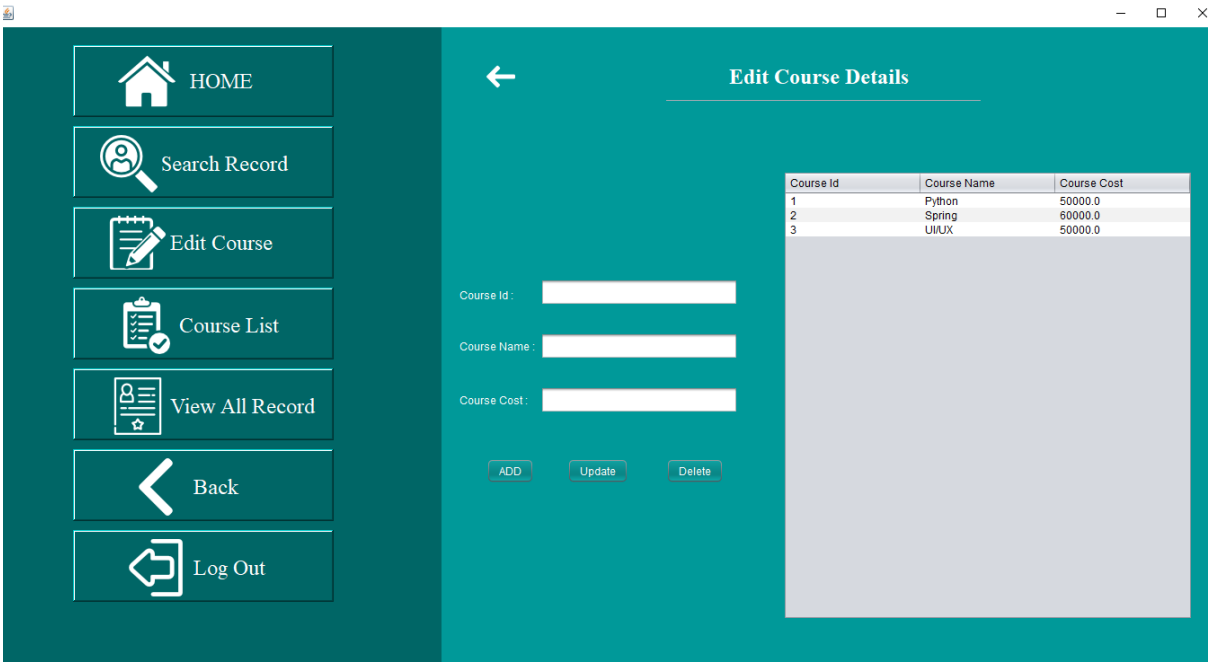
6) Search Record Page :-



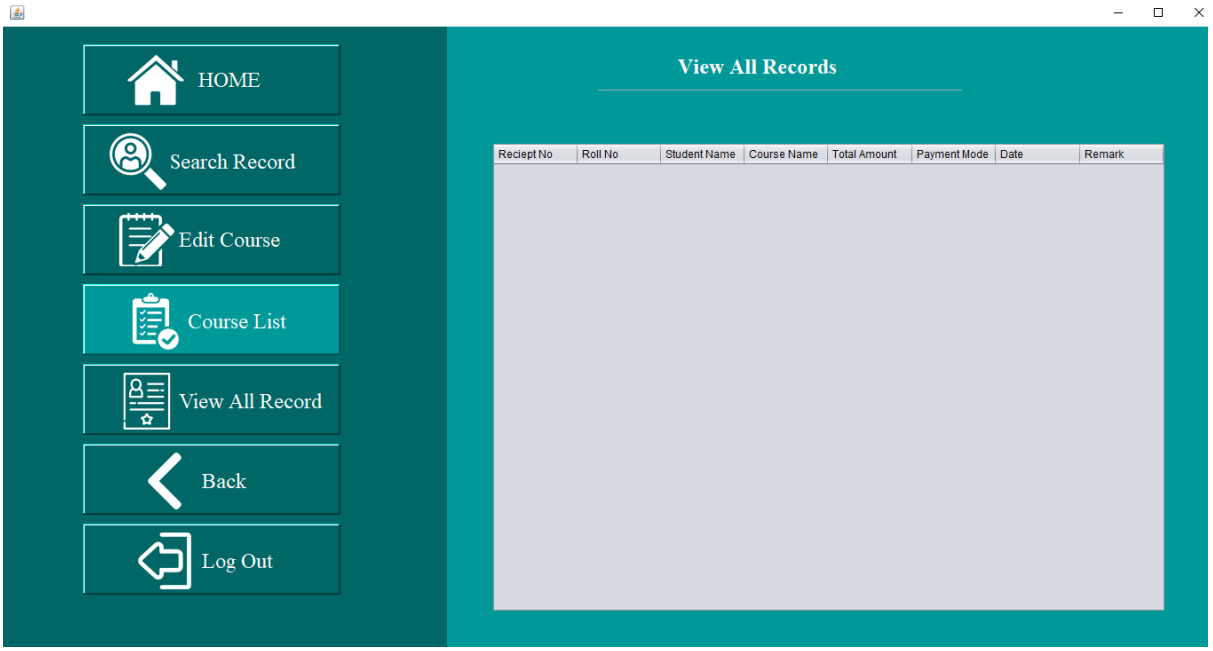
7) Update Record Page :-



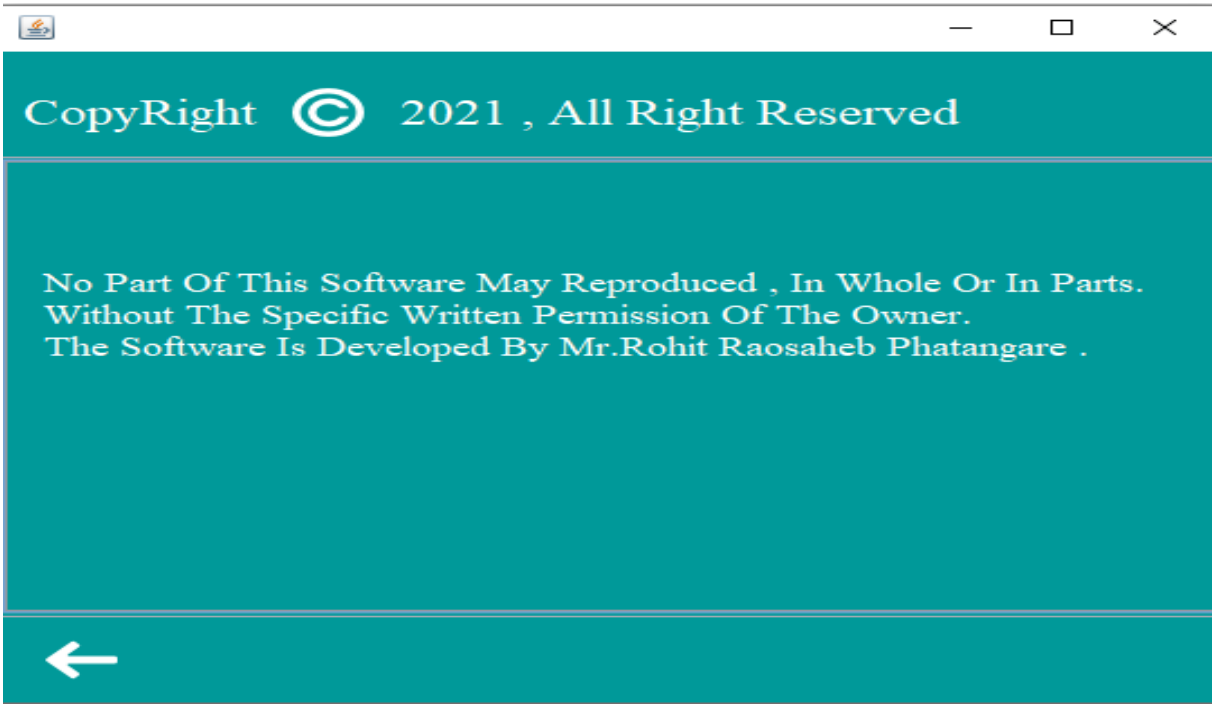
8) Edit CoursesPage :-



9) View All Record Page :-



10) Copy Right Page :-



ADVANTAGES

Schools are increasingly moving towards an automated age of cloud, mobile and big data analytics. There are good many reasons why schools should implement the strategy of collecting payments through cloud and mobile based fee management system. It would be desirable for any type of public and private institutions to automate billing/fee collection and drive greater revenue, while saving 90% of manual work.

Fee management system solves many problems for schools and helps parents to keep track of fee payments in real time. No more manual records or calculations on sheets of paper. Using the fee accounting and financial management software, students and parents can use the latest technology tools to connect various departments such as admission, finance, transport, hostel, library and more. This will result in wider engagement and improved efficiency in educational institutions with synchronization of data on fee collections. Student's fee collection and unpaid fee details can be accessed on mobile devices including iPhone and Android from anywhere and anytime, beyond the campus.

Let's look into some of the key benefits of implementing an automated fee management system:

1. User-friendly

Feel the difference of implementing automated software into your system in few easy steps. It makes the users feel comfortable with user-friendly and easy handling of fee processing in a paperless environment.

2. Account Management

Create student profiles with demographic information, contact details and parent information. Track and post fees for admission, hostel, library, and other activities in student accounts.

3. Security

Fee automation system is highly secure with easy account management and role-based access control in a multi-user environment.

4. Quick Payments

Make fee remittances faster from website and mobile devices using secure payment gateways to provide students and parents with hassle-free processing and automatic generation of fee receipts.

5. Customizable & Flexible

Fee management software allows you to customize fee structure based on your unique needs with the ability to set discounts, add or edit fees, and collect penalties with ease.

6. Transparency

Improves the cash management and allows transparency on the payments made and the system will track suspicious and fraudulent transactions.

7. Revenue Management

Increase revenue for the institution by receiving payments from alumni, donors and other contributors.

8. Data Backup with Synchronization

The cloud-based fee management system provides fast and automatic backup and online/offline synchronization of data for access to academic data.

9. Reports

The advanced reporting system and analytics will generate custom fee payment reports and track outstanding and unpaid student details.

10. Notifications

Keep the students and parents informed on fee payments with real-time notifications, messages, and reminders via emails, SMS alerts, and push notifications from mobile devices.

REFERENCES

- https://stackoverflow.com/
- https://www.javatpoint.com/fee-report-project-in-java
- https://www.csie.ntu.edu.tw/~r93020/eBook/OReilly.Java.Swing.2nd.2002.pdf
- https://www.iitk.ac.in/esc101/share/downloads/javanotes5.pdf
- Code = https://github.com/RohitPhatangare23?tab=repositories

FUTURE SCOPE

My project “FEE MANAGEMENT SYSTEM” will be able to implement in the future after making some changes and modifications as we make our project at a very low level. So the modifications that can be done in our project is to add one major change which can be done in this project is that to add the snaps of the student of which the record is entered. This will result in the total identification of the given student. Similarly, various modifications can be done to enhance the usability of the given project as suitable for the user’s requirement.

CODING

1)Login Page :-

```
package fees_management;

import com.mysql.cj.protocol.Resultset;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.Statement;
import java.sql.ResultSet;
import javax.swing.JOptionPane;



public class Login extends javax.swing.JFrame {

   /**
    * Creates new form Login
    */
   public Login() {
      initComponents();
   }

   void userVerification(String username,String password)
   {
       try
      {
         Class.forName("com.mysql.cj.jdbc.Driver");
         Connection con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/feesmanagementsystem?zeroD
ateTimeBehavior=CONVERT_TO_NULL","root","rohit23");

         String sql = "select * from signupppp where username=? and password=? ";
         PreparedStatement pst=con.prepareStatement(sql);
```

```
        pst.setString(1,username);
        pst.setString(2,password);
        ResultSet rs=pst.executeQuery();
        if (rs.next()) {
            home home=new home();
            home.show();
            this.dispose();


        }
        else{
            JOptionPane.showMessageDialog(this,"Wrong Username And Password ");
        }



    }
    catch (Exception e)
    {

    }
}


@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
```

```
        txtusername = new javax.swing.JTextField();
        btnlogin = new javax.swing.JButton();
        btnsignup = new javax.swing.JButton();
        btnexit = new javax.swing.JButton();
        lblerror = new javax.swing.JLabel();
        txtpassword = new javax.swing.JPasswordField();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jPanel1.setBackground(new java.awt.Color(0, 0, 0));
        jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setText("Login");
        jPanel1.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(209, 23, -1,
41));

        jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(255, 255, 255));
        jLabel3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/fees_management/image/admin.png"))); //
NOI18N
        jPanel1.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(127, 11, -1,
-1));

        getContentPane().add(jPanel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0,
490, 90));

        jPanel2.setBackground(new java.awt.Color(0, 204, 204));
        jPanel2.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

        jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
        jLabel2.setText("Enter Password :");
        jPanel2.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(68, 120, -1,
35));

        jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 18)); // NOI18N
```

```
        jLabel4.setText("Enter UserName :");
        jPanel2.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(62, 54, 140,
33));

        txtusername.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
        txtusername.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                txtusernameActionPerformed(evt);
            }
        });
        jPanel2.add(txtusername, new org.netbeans.lib.awtextra.AbsoluteConstraints(255, 56,
156, 33));

        btnlogin.setBackground(new java.awt.Color(0, 102, 102));
        btnlogin.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
        btnlogin.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/fees_management/image/login.png"))); //
NOI18N
        btnlogin.setText("Login");
        btnlogin.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnloginActionPerformed(evt);
            }
        });
        jPanel2.add(btnlogin, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 209, 107,
34));

        btnsignup.setBackground(new java.awt.Color(0, 102, 102));
        btnsignup.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
        btnsignup.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/fees_management/image/signup.png"))); //
NOI18N
        btnsignup.setText("SignUp");
        btnsignup.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnsignupActionPerformed(evt);
            }
        });
        jPanel2.add(btnsignup, new org.netbeans.lib.awtextra.AbsoluteConstraints(175, 209, -1,
34));
```

```
        btnexit.setBackground(new java.awt.Color(0, 102, 102));
        btnexit.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
        btnexit.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/fees_management/image/exit.png"))); //
NOI18N
        btnexit.setText("Exit");
        btnexit.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                btnexitActionPerformed(evt);
            }
        });
        jPanel2.add(btnexit, new org.netbeans.lib.awtextra.AbsoluteConstraints(304, 209, 107,
34));

        lblerror.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
        lblerror.setForeground(new java.awt.Color(255, 0, 0));
        jPanel2.add(lblerror, new org.netbeans.lib.awtextra.AbsoluteConstraints(50, 173, 236,
18));

        txtpassword.setFont(new java.awt.Font("Times New Roman", 0, 12)); // NOI18N
        jPanel2.add(txtpassword, new org.netbeans.lib.awtextra.AbsoluteConstraints(255, 120,
156, 35));

        getContentPane().add(jPanel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0,
90, 490, 280));

        pack();
        setLocationRelativeTo(null);
    }// </editor-fold>

    private void txtusernameActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void btnsignupActionPerformed(java.awt.event.ActionEvent evt) {
        Signup_page signup=new Signup_page();
        signup.show();
        this.dispose();
```

```
}

private void btnloginActionPerformed(java.awt.event.ActionEvent evt) {
   String username=txtusername.getText();
   String password=txtpassword.getText();
   if (username.trim().equals("")||password.trim().equals(""))
   {
      lblerror.setText("Pleases Enter Username And Password");
   }
   else
   {
      userVerification(username, password);
   }
}

private void btnexitActionPerformed(java.awt.event.ActionEvent evt) {
   System.exit(0);
}


public static void main(String args[]) {

   java.awt.EventQueue.invokeLater(new Runnable() {
      public void run() {
         new Login().setVisible(true);
      }
   });
}
```

Database Code :

```
CREATE TABLE `fees_details` (
  `reciept_no` int(11) NOT NULL ,
  `student_name` varchar(50) DEFAULT NULL,
  `roll_no` varchar(50) DEFAULT NULL,
  `payment_mode` varchar(50) DEFAULT NULL,
  `cheque_no` varchar(50) DEFAULT NULL,
  `bank_name` varchar(50) DEFAULT NULL,
  `dd_no` varchar(50) DEFAULT NULL,
  `courses` varchar(100) DEFAULT NULL,
  `gstin` varchar(50) DEFAULT NULL,
  `total_amount` float DEFAULT NULL,
  `date` date DEFAULT NULL,
  `amount`float DEFAULT NULL,
  `cgst` float DEFAULT NULL,
  `sgst` float DEFAULT NULL,
  `total_in_words` varchar(200) DEFAULT NULL,
  `remark` varchar(500) DEFAULT NULL,
  `year1` int(15) DEFAULT NULL,
  `year2` int(15) DEFAULT NULL,
  PRIMARY KEY (`reciept_no`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1;
```