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**Project Report on**

**“School Management System”**

**Database Management System**

**BS/CS**

**4th Semester**

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**Submitted To: Submitted By:**

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*Minaam Ahmad*

*Awais Kamal*

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Finally, we wish to express our appreciation to our parents for their love and support.

**Student’s Name**

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**Introduction**

This documentation outlines the features and functionalities of the School Management System, which allows for the efficient management of school records, events, and staff. It includes the following:

* Management of records for new and old teachers
* Display of upcoming school events
* Tracking of teacher additions and removals

The primary aim of this “School Management System” is to provide an improved design methodology, which envisages the future expansion, and modification, which is necessary for a core sector like Attendance. This necessitates the design to be expandable and modifiable and so a modular approach is used in developing the application software.

A School has many teachers and it is difficult for management to keep track of them so in this project we can track the teacher attendance and their work and also we can keep track of the events in the school

**Abstract**

The School Management System is an application for maintaining a Teacher Data In this project I tried to show the working of School system and cover the basic functionality of a School Management System. To develop a project for solving applications of a Teacher in School 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 School Management System is a web-based application aimed at simplifying the management of school operations. It offers modules for managing teacher records, organizing events, and tracking changes in the teaching staff. The system enhances efficiency, transparency, and communication within the school environment.

**AIM of this project**

The main aim of designing and developing this Internet School System Java primarily based

Engineering project is to provide it to the Lab project. Eclipse, MYSQL database used to develop this school application where all teacher can login through the secured web page by their account login id and password. The aim of the School Management System project is to create a user-friendly platform that automates various administrative tasks, such as teacher record management and event coordination, thereby improving the overall efficiency of school management.

**Main Purpose**

The Traditional way of maintaining details of teacher was to enter the details and record them.. It may be a hard-hitting task for the users and the bankers too. The main purpose of the School Management System is to centralize administrative processes, facilitate better organization of teacher records and events, and provide stakeholders with easy access to relevant information. By digitizing these operations, the system aims to reduce manual effort and errors.

**Main Goal**

The primary goal of the School Management System is to enhance the effectiveness of school administration by:

* Providing a centralized platform for managing teacher records.
* Facilitating seamless coordination of school events.
* Ensuring transparency in teacher recruitment, addition, and removal processes.
* Improving communication between administrators, teachers, and other stakeholders.

**Methods**

The School Management System is developed using modern web technologies, including HTML, CSS, JavaScript, and PHP. It utilizes a MySQL database to store and manage data efficiently. The system follows a modular architecture, allowing for easy customization and scalability.

• We can login/signup

• Teacher Registration

• Maintain/update Enteries

• Events

• Add/Remove Accounts

**Administrative Modules**

**Admin Modules:**

**Admin Modules:**

1. **Teacher Management:**
   * Add new teachers with detailed information such as name, contact details, qualifications, and experience.
   * View and edit existing teacher records.
   * Remove teachers from the system when necessary.
2. **Event Management:**
   * Create and schedule school events, such as parent-teacher meetings, cultural programs, and sports events.
   * Assign responsibilities and resources for each event.
   * Track the status and attendance of events.
3. **Audit Trail:**
   * Log all changes made to teacher records, including additions, edits, and deletions.
   * Maintain a chronological history of administrative actions for accountability and auditing purposes.

**User Module:**

1. **Teachers:**
   * Access their personal profiles to update information and view assigned responsibilities.
   * Receive notifications about upcoming events and their involvement.
2. **Administrators:**
   * Have full control over teacher and event management functionalities.
   * Monitor system activities and generate reports as needed.

**Benefits of the System:**

1. **Efficiency:** Automates administrative tasks, saving time and effort for school staff.
2. **Transparency:** Provides a centralized platform for accessing teacher records, event schedules, and announcements, promoting transparency within the school community.
3. **Communication:** Facilitates better communication between administrators, teachers, students, and parents through timely notifications and access to information.
4. **Accuracy:** Reduces the risk of errors associated with manual record-keeping and communication.
5. **Scalability:** The modular architecture allows for easy customization and scalability to accommodate the evolving needs of educational institutions.

**Conclusion**

The School Management System is a valuable tool for modern educational institutions seeking to streamline administrative processes and enhance communication within the school community. By digitizing teacher record management, event coordination, and communication channels, the system improves efficiency, transparency, and accuracy in school administration. Looking ahead, the system holds the potential to further innovate and adapt to the changing needs of the education sector, offering new features and functionalities to support the evolving requirements of schools and educational stakeholders.

**Reference**

1. Code for Interview YouTube Channel (https://www.youtube.com/playlist?list=PL5BFcXE899zxVrWaO3Ul6ly2SVJMnJFOr)

2. PHP and MySQL video tutorials

Website: http://www.freehinditutorial.com, http://www.youtube.com

**Source Code**[C:\Users\HP\Downloads\deref\http:\stackoverflow.com\questions\3937513\javascript-validation-for-empty-input-field](file:///C:\Users\HP\Downloads\deref\http:\stackoverflow.com\questions\3937513\javascript-validation-for-empty-input-field)

ENTER DATA

package School.management.system;

import java.awt.Color;

import java.awt.EventQueue;

import java.awt.Font;

import java.awt.LayoutManager;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.ButtonGroup;

import javax.swing.JButton;

import javax.swing.JFormattedTextField;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JPanel;

import javax.swing.JRadioButton;

import javax.swing.JTextArea;

import javax.swing.JTextField;

import javax.swing.border.EmptyBorder;

import javax.swing.border.LineBorder;

public class Enterdata extends JFrame {

private static final long serialVersionUID = 1L;

private JPanel contentPane;

private JTextField name;

private JTextField fathername;

private JTextField email;

private JTextField quali;

public static Enterdata frame;

private JTextField cnic;

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

Enterdata.frame = new Enterdata();

Enterdata.frame.setVisible(true);

} catch (Exception var2) {

var2.printStackTrace();

}

}

});

}

public Enterdata() {

this.setDefaultCloseOperation(3);

this.setBounds(100, 100, 697, 476);

this.contentPane = new JPanel();

this.contentPane.setBackground(new Color(128, 255, 255));

this.contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

this.setContentPane(this.contentPane);

this.contentPane.setLayout((LayoutManager)null);

JPanel panel = new JPanel();

panel.setBorder(new LineBorder(new Color(0, 0, 0), 2));

panel.setForeground(new Color(64, 0, 64));

panel.setBounds(163, 11, 495, 361);

this.contentPane.add(panel);

panel.setLayout((LayoutManager)null);

JLabel lblNewLabel = new JLabel("Name");

lblNewLabel.setFont(new Font("Tahoma", 1, 14));

lblNewLabel.setBounds(30, 24, 92, 14);

panel.add(lblNewLabel);

JLabel lblFathername = new JLabel("Fathername");

lblFathername.setFont(new Font("Tahoma", 1, 14));

lblFathername.setBounds(30, 53, 92, 14);

panel.add(lblFathername);

JLabel lblGender = new JLabel("Gender");

lblGender.setFont(new Font("Tahoma", 1, 14));

lblGender.setBounds(30, 89, 92, 14);

panel.add(lblGender);

JLabel lblQualification = new JLabel("Qualification");

lblQualification.setFont(new Font("Tahoma", 1, 14));

lblQualification.setBounds(30, 120, 92, 14);

panel.add(lblQualification);

JLabel lblEmail = new JLabel("Email");

lblEmail.setFont(new Font("Tahoma", 1, 14));

lblEmail.setBounds(30, 170, 92, 14);

panel.add(lblEmail);

JLabel lblPhoneNo = new JLabel("Phone no.");

lblPhoneNo.setFont(new Font("Tahoma", 1, 14));

lblPhoneNo.setBounds(30, 201, 92, 14);

panel.add(lblPhoneNo);

JLabel lblExperience = new JLabel("Experience");

lblExperience.setFont(new Font("Tahoma", 1, 14));

lblExperience.setBounds(30, 236, 92, 14);

panel.add(lblExperience);

this.name = new JTextField();

this.name.setBounds(146, 23, 167, 20);

panel.add(this.name);

this.name.setColumns(10);

this.fathername = new JTextField();

this.fathername.setColumns(10);

this.fathername.setBounds(146, 52, 167, 20);

panel.add(this.fathername);

final JRadioButton male = new JRadioButton("Male");

male.setBounds(146, 87, 109, 23);

panel.add(male);

final JRadioButton female = new JRadioButton("Female");

female.setBounds(268, 87, 109, 23);

panel.add(female);

this.email = new JTextField();

this.email.setBounds(146, 170, 167, 20);

panel.add(this.email);

this.email.setColumns(10);

final JFormattedTextField phone = new JFormattedTextField();

phone.setBounds(146, 200, 167, 20);

panel.add(phone);

final JFormattedTextField exper = new JFormattedTextField();

exper.setBounds(146, 230, 167, 20);

panel.add(exper);

this.quali = new JTextField();

this.quali.setColumns(10);

this.quali.setBounds(146, 120, 167, 20);

panel.add(this.quali);

JLabel lblAddress = new JLabel("Address");

lblAddress.setFont(new Font("Tahoma", 1, 14));

lblAddress.setBounds(30, 296, 92, 14);

panel.add(lblAddress);

final JTextArea address = new JTextArea();

address.setBounds(146, 293, 167, 65);

panel.add(address);

JLabel lblSalary = new JLabel("Salary");

lblSalary.setFont(new Font("Tahoma", 1, 14));

lblSalary.setBounds(30, 261, 92, 14);

panel.add(lblSalary);

final JFormattedTextField salary = new JFormattedTextField();

salary.setBounds(146, 260, 167, 20);

panel.add(salary);

JLabel lblCnic = new JLabel("CNIC");

lblCnic.setFont(new Font("Tahoma", 1, 14));

lblCnic.setBounds(30, 145, 92, 14);

panel.add(lblCnic);

this.cnic = new JTextField();

this.cnic.setColumns(10);

this.cnic.setBounds(146, 144, 167, 20);

panel.add(this.cnic);

JButton btnNewButton = new JButton("Exit");

btnNewButton.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

System.exit(0);

}

});

btnNewButton.setBackground(new Color(128, 255, 128));

btnNewButton.setForeground(new Color(0, 0, 128));

btnNewButton.setFont(new Font("Times New Roman", 1, 16));

btnNewButton.setBounds(383, 403, 89, 23);

this.contentPane.add(btnNewButton);

JButton btnSubmit = new JButton("Submit");

btnSubmit.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

male.setSelected(true);

ButtonGroup bg = new ButtonGroup();

bg.add(male);

bg.add(female);

String Gender;

if (male.isSelected()) {

Gender = "male";

} else {

Gender = "female";

}

Firstcode f = new Firstcode();

f.conect();

if (!(Enterdata.this.name.getText().isEmpty() ^ Enterdata.this.fathername.getText().isEmpty())) {

f.insert(Enterdata.this.name.getText(), Enterdata.this.fathername.getText(), Gender, Enterdata.this.quali.getText(), Enterdata.this.cnic.getText(), Enterdata.this.email.getText(), phone.getText(), exper.getText(), salary.getText(), address.getText());

}

}

});

btnSubmit.setForeground(new Color(0, 0, 128));

btnSubmit.setFont(new Font("Times New Roman", 1, 16));

btnSubmit.setBackground(new Color(128, 255, 128));

btnSubmit.setBounds(512, 404, 89, 23);

this.contentPane.add(btnSubmit);

JButton btnNewButton\_1 = new JButton("Back");

btnNewButton\_1.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

Enterdata.this.wel\_page();

}

});

btnNewButton\_1.setForeground(new Color(0, 0, 128));

btnNewButton\_1.setFont(new Font("Times New Roman", 1, 16));

btnNewButton\_1.setBackground(new Color(128, 255, 128));

btnNewButton\_1.setBounds(79, 404, 89, 23);

this.contentPane.add(btnNewButton\_1);

}

public void wel\_page() {

Welcome w = new Welcome();

w.setVisible(true);

frame.setVisible(false);

}

}

FIRST CODE

package School.management.system;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

public class Firstcode {

Connection con;

public void conect() {

String path = "jdbc:mysql://127.0.0.1:3306/manag";

String name = "root";

String password = "";

try {

this.con = DriverManager.getConnection(path, name, password);

System.out.println("");

} catch (SQLException var5) {

var5.printStackTrace();

}

}

public void insert(String name, String pass, String email) {

String query = "INSERT INTO logind (Name,Password,Email)VALUES('" + name + "','" + pass + "','" + email + "')";

try {

Statement s = this.con.createStatement();

s.executeUpdate(query);

} catch (SQLException var7) {

var7.printStackTrace();

}

}

public int select(String user, String pass) {

String query = "SELECT \* FROM logind WHERE Name = '" + user + "' AND Password = '" + pass + "'";

try {

Statement s = this.con.createStatement();

ResultSet rs = s.executeQuery(query);

if (!rs.next()) {

return -1;

}

} catch (SQLException var6) {

var6.printStackTrace();

}

return 0;

}

public void insert(String name, String fname, String cnic, String email, String gender, String salary, String exp, String quali, String phone, String address) {

String query = "INSERT INTO teachers(Name,Fathername,Gender,Qualification,CNIC,Email,Phoneno,Salary,Experience,Address)VALUES('" + name + "','" + fname + "','" + gender + "','" + quali + "','" + cnic + "','" + email + "','" + phone + "','" + salary + "','" + exp + "','" + address + "')";

try {

Statement s = this.con.createStatement();

s.executeUpdate(query);

System.out.println(query);

} catch (SQLException var14) {

var14.printStackTrace();

}

}

public int select2(String user, String pass) {

String query = "SELECT \* FROM teachers WHERE Name = '" + user + "' AND Password = '" + pass + "'";

try {

Statement s = this.con.createStatement();

ResultSet rs = s.executeQuery(query);

if (!rs.next()) {

return -1;

}

} catch (SQLException var6) {

var6.printStackTrace();

}

return 0;

}

public void insert2(String name, String email, String pass) {

String query = "INSERT INTO teachers (Name,Email,Password)VALUES('" + name + "','" + email + "','" + pass + "')";

try {

Statement s = this.con.createStatement();

s.executeUpdate(query);

} catch (SQLException var7) {

var7.printStackTrace();

}

}

}

LOGIN FORM

package School.management.system;

import java.awt.Color;

import java.awt.EventQueue;

import java.awt.Font;

import java.awt.LayoutManager;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

import javax.swing.JTextField;

import javax.swing.border.EmptyBorder;

import javax.swing.border.LineBorder;

public class Loginform extends JFrame {

private static final long serialVersionUID = 1L;

private JPanel contentPane;

private JTextField name;

private JLabel lblNewLabel\_1;

private JTextField password;

private JLabel lblNewLabel\_2;

public static Loginform frame;

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

Loginform.frame = new Loginform();

Loginform.frame.setVisible(true);

} catch (Exception var2) {

var2.printStackTrace();

}

}

});

}

public Loginform() {

this.setDefaultCloseOperation(3);

this.setBounds(100, 100, 729, 462);

this.contentPane = new JPanel();

this.contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

this.setContentPane(this.contentPane);

this.contentPane.setLayout((LayoutManager)null);

JPanel panel = new JPanel();

panel.setBorder(new LineBorder(new Color(0, 0, 0), 3, true));

panel.setBackground(new Color(128, 255, 255));

panel.setBounds(250, 99, 250, 271);

this.contentPane.add(panel);

panel.setLayout((LayoutManager)null);

JLabel lblNewLabel = new JLabel("Name");

lblNewLabel.setFont(new Font("Tahoma", 1, 14));

lblNewLabel.setBounds(10, 63, 82, 14);

panel.add(lblNewLabel);

this.name = new JTextField();

this.name.setBounds(102, 62, 138, 20);

panel.add(this.name);

this.name.setColumns(10);

this.lblNewLabel\_1 = new JLabel("Password");

this.lblNewLabel\_1.setFont(new Font("Tahoma", 1, 14));

this.lblNewLabel\_1.setBounds(10, 121, 82, 14);

panel.add(this.lblNewLabel\_1);

this.password = new JTextField();

this.password.setColumns(10);

this.password.setBounds(102, 120, 138, 20);

panel.add(this.password);

this.lblNewLabel\_2 = new JLabel("Register,new account");

this.lblNewLabel\_2.setBounds(26, 213, 165, 14);

panel.add(this.lblNewLabel\_2);

JButton btnNewButton = new JButton("Log-in");

btnNewButton.setFont(new Font("Tahoma", 1, 16));

btnNewButton.setBackground(new Color(128, 255, 0));

btnNewButton.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

Firstcode f = new Firstcode();

f.conect();

f.select(Loginform.this.name.getText(), Loginform.this.password.getText());

boolean y = Loginform.this.name.getText().isEmpty();

boolean z = Loginform.this.password.getText() != null;

if (y & z) {

JOptionPane.showMessageDialog(Loginform.this.contentPane, "Enter name,Email and password", "Error", 0);

} else {

int i = f.select(Loginform.this.name.getText(), Loginform.this.password.getText());

if (i == -1) {

JOptionPane.showMessageDialog(Loginform.this.contentPane, "in valid user name or password", "Error", 0);

} else {

try {

Loginform.this.Wel\_page();

} catch (NullPointerException var7) {

}

}

}

}

});

btnNewButton.setForeground(new Color(0, 0, 255));

btnNewButton.setBounds(127, 179, 113, 23);

panel.add(btnNewButton);

JButton btnSignup = new JButton("Sign-up");

btnSignup.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

Loginform.this.Register\_page();

}

});

btnSignup.setForeground(Color.BLUE);

btnSignup.setFont(new Font("Tahoma", 1, 16));

btnSignup.setBackground(new Color(128, 255, 0));

btnSignup.setBounds(127, 237, 113, 23);

panel.add(btnSignup);

JLabel lblNewLabel\_3 = new JLabel("Log in");

lblNewLabel\_3.setFont(new Font("Tahoma", 1, 20));

lblNewLabel\_3.setBounds(62, 11, 129, 29);

panel.add(lblNewLabel\_3);

}

public void Wel\_page() {

Welcome w = new Welcome();

w.setVisible(true);

frame.setVisible(false);

}

public void Register\_page() {

Registerform r = new Registerform();

r.setVisible(true);

frame.setVisible(false);

}

}

REGISTER FORM

package School.management.system;

import java.awt.Color;

import java.awt.EventQueue;

import java.awt.Font;

import java.awt.LayoutManager;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.JButton;

import javax.swing.JFormattedTextField;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import javax.swing.JPanel;

import javax.swing.JPasswordField;

import javax.swing.JTextField;

import javax.swing.border.EmptyBorder;

import javax.swing.border.LineBorder;

public class Registerform extends JFrame {

private static final long serialVersionUID = 1L;

private JPanel contentPane;

private JTextField name;

private JPasswordField password;

public static Registerform frame;

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

Registerform.frame = new Registerform();

Registerform.frame.setVisible(true);

} catch (Exception var2) {

var2.printStackTrace();

}

}

});

}

public Registerform() {

this.setDefaultCloseOperation(3);

this.setBounds(100, 100, 741, 483);

this.contentPane = new JPanel();

this.contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

this.setContentPane(this.contentPane);

this.contentPane.setLayout((LayoutManager)null);

JPanel panel = new JPanel();

panel.setBorder(new LineBorder(new Color(0, 0, 0), 3, true));

panel.setBackground(new Color(128, 255, 255));

panel.setBounds(228, 23, 358, 410);

this.contentPane.add(panel);

panel.setLayout((LayoutManager)null);

JLabel lblNewLabel = new JLabel("User Name");

lblNewLabel.setFont(new Font("Tahoma", 1, 14));

lblNewLabel.setBounds(26, 74, 95, 14);

panel.add(lblNewLabel);

JLabel lblPassword = new JLabel("Password");

lblPassword.setFont(new Font("Tahoma", 1, 14));

lblPassword.setBounds(26, 121, 95, 14);

panel.add(lblPassword);

JLabel lblEmail = new JLabel("Email");

lblEmail.setFont(new Font("Tahoma", 1, 14));

lblEmail.setBounds(26, 172, 95, 14);

panel.add(lblEmail);

this.name = new JTextField();

this.name.setBounds(136, 89, 147, 20);

panel.add(this.name);

this.name.setColumns(10);

this.password = new JPasswordField();

this.password.setBounds(136, 140, 147, 20);

panel.add(this.password);

final JFormattedTextField email = new JFormattedTextField();

email.setBounds(137, 193, 146, 20);

panel.add(email);

JButton Submit = new JButton("Submit");

Submit.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

Firstcode f = new Firstcode();

f.conect();

if (Registerform.this.name.getText().isBlank() ^ Registerform.this.password.getText().isEmpty()) {

JOptionPane.showMessageDialog(Registerform.this.contentPane, "Enter name,Email and password", "Error", 0);

} else {

f.insert(Registerform.this.name.getText(), Registerform.this.password.getText(), email.getText());

Registerform.this.Wel\_page();

}

}

});

Submit.setBackground(new Color(128, 255, 128));

Submit.setForeground(new Color(0, 0, 255));

Submit.setFont(new Font("Times New Roman", 1, 16));

Submit.setBounds(244, 295, 89, 23);

panel.add(Submit);

JLabel lblNewLabel\_3 = new JLabel("Register Form");

lblNewLabel\_3.setFont(new Font("Tahoma", 1, 20));

lblNewLabel\_3.setBounds(103, 11, 147, 38);

panel.add(lblNewLabel\_3);

}

public void Wel\_page() {

Welcome w = new Welcome();

w.setVisible(true);

frame.setVisible(false);

}

}

UPDATE

package School.management.system;

import java.awt.Color;

import java.awt.EventQueue;

import java.awt.Font;

import java.awt.LayoutManager;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import javax.swing.JButton;

import javax.swing.JFormattedTextField;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JPanel;

import javax.swing.JTextField;

import javax.swing.border.EmptyBorder;

import javax.swing.border.LineBorder;

public class Update extends JFrame {

private static final long serialVersionUID = 1L;

private JPanel contentPane;

private JTextField nam;

private JTextField fathername;

private JTextField salary;

public static Update frame;

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

Update.frame = new Update();

Update.frame.setVisible(true);

} catch (Exception var2) {

var2.printStackTrace();

}

}

});

}

public Update() {

this.setDefaultCloseOperation(3);

this.setBounds(100, 100, 734, 469);

this.contentPane = new JPanel();

this.contentPane.setBackground(new Color(128, 255, 255));

this.contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

this.setContentPane(this.contentPane);

this.contentPane.setLayout((LayoutManager)null);

JPanel panel = new JPanel();

panel.setBorder(new LineBorder(new Color(0, 0, 0), 2));

panel.setBounds(80, 10, 284, 339);

this.contentPane.add(panel);

panel.setLayout((LayoutManager)null);

JLabel names = new JLabel("Name");

names.setFont(new Font("Tahoma", 1, 14));

names.setBounds(10, 44, 79, 14);

panel.add(names);

JLabel lblFathername = new JLabel("Fathername");

lblFathername.setFont(new Font("Tahoma", 1, 14));

lblFathername.setBounds(10, 83, 89, 14);

panel.add(lblFathername);

JLabel lblSalary = new JLabel("Salary");

lblSalary.setFont(new Font("Tahoma", 1, 14));

lblSalary.setBounds(10, 120, 79, 14);

panel.add(lblSalary);

JLabel lblExperience = new JLabel("Experience");

lblExperience.setFont(new Font("Tahoma", 1, 14));

lblExperience.setBounds(10, 161, 79, 14);

panel.add(lblExperience);

this.nam = new JTextField();

this.nam.setBounds(99, 43, 154, 20);

panel.add(this.nam);

this.nam.setColumns(10);

this.fathername = new JTextField();

this.fathername.setBounds(99, 82, 154, 20);

panel.add(this.fathername);

this.fathername.setColumns(10);

this.salary = new JTextField();

this.salary.setBounds(99, 119, 154, 20);

panel.add(this.salary);

this.salary.setColumns(10);

final JFormattedTextField experience = new JFormattedTextField();

experience.setBounds(99, 160, 154, 20);

panel.add(experience);

JButton btnNewButton = new JButton("Update");

btnNewButton.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

String path = "jdbc:mysql://127.0.0.1:3306/Manag";

String name = "root";

String password = "";

String c = Update.this.nam.getText();

String d = Update.this.fathername.getText();

String f = Update.this.salary.getText();

String g = experience.getText();

String query = "UPDATE teachers SET Salary= ?, Experience=? WHERE Name=? AND Fathername=?;";

try {

Connection con = DriverManager.getConnection(path, name, password);

PreparedStatement preparedStatement = con.prepareStatement(query);

preparedStatement.setString(1, f);

preparedStatement.setString(2, g);

preparedStatement.setString(3, c);

preparedStatement.setString(4, d);

int i = preparedStatement.executeUpdate();

preparedStatement.close();

} catch (SQLException var13) {

var13.printStackTrace();

}

}

});

btnNewButton.setBackground(new Color(128, 255, 128));

btnNewButton.setForeground(new Color(0, 0, 128));

btnNewButton.setFont(new Font("Tahoma", 1, 16));

btnNewButton.setBounds(116, 238, 105, 23);

panel.add(btnNewButton);

JButton btnDelete = new JButton("Delete");

btnDelete.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

String path = "jdbc:mysql://127.0.0.1:3306/Manag";

String name = "root";

String password = "";

String c = Update.this.nam.getText();

String d = Update.this.fathername.getText();

String query = "DELETE FROM teachers WHERE Name=? AND Fathername=?;";

try {

Connection con = DriverManager.getConnection(path, name, password);

PreparedStatement preparedStatement = con.prepareStatement(query);

preparedStatement.setString(1, c);

preparedStatement.setString(2, d);

int i = preparedStatement.executeUpdate();

System.out.println("Rows affected: " + i);

preparedStatement.close();

} catch (SQLException var13) {

var13.printStackTrace();

}

}

});

btnDelete.setForeground(new Color(0, 0, 128));

btnDelete.setFont(new Font("Tahoma", 1, 16));

btnDelete.setBackground(new Color(128, 255, 128));

btnDelete.setBounds(116, 279, 105, 23);

panel.add(btnDelete);

JButton btnBack = new JButton("Back");

btnBack.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

Update.this.wel\_page();

}

});

btnBack.setForeground(new Color(0, 0, 128));

btnBack.setFont(new Font("Tahoma", 1, 16));

btnBack.setBackground(new Color(128, 255, 128));

btnBack.setBounds(90, 352, 105, 23);

this.contentPane.add(btnBack);

}

public void wel\_page() {

Welcome w = new Welcome();

w.setVisible(true);

frame.setVisible(false);

}

}

WELCOME

package School.management.system;

import java.awt.Color;

import java.awt.EventQueue;

import java.awt.Font;

import java.awt.LayoutManager;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.ButtonGroup;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JPanel;

import javax.swing.JRadioButton;

import javax.swing.border.LineBorder;

public class Welcome extends JFrame {

private static final long serialVersionUID = 1L;

private JPanel contentPane;

String Task;

public static Welcome frame;

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

Welcome.frame = new Welcome();

Welcome.frame.setVisible(true);

} catch (Exception var2) {

var2.printStackTrace();

}

}

});

}

public Welcome() {

this.setDefaultCloseOperation(3);

this.setBounds(100, 100, 781, 486);

this.contentPane = new JPanel();

this.contentPane.setBorder(new LineBorder(new Color(0, 0, 0), 3, true));

this.setContentPane(this.contentPane);

this.contentPane.setLayout((LayoutManager)null);

JPanel panel = new JPanel();

panel.setBackground(new Color(128, 255, 255));

panel.setBorder(new LineBorder(new Color(0, 0, 0), 3, true));

panel.setBounds(194, 60, 311, 319);

this.contentPane.add(panel);

panel.setLayout((LayoutManager)null);

JLabel lblNewLabel = new JLabel("Welcome to Techer record Managment System");

lblNewLabel.setForeground(new Color(0, 0, 160));

lblNewLabel.setFont(new Font("Tahoma", 1, 13));

lblNewLabel.setBounds(5, 11, 311, 55);

panel.add(lblNewLabel);

JLabel lblNewLabel\_1 = new JLabel("Please, Click at one option :");

lblNewLabel\_1.setFont(new Font("Tahoma", 1, 12));

lblNewLabel\_1.setBounds(20, 105, 241, 20);

panel.add(lblNewLabel\_1);

final JRadioButton enter = new JRadioButton("Enter new Data");

enter.setFont(new Font("Tahoma", 1, 12));

enter.setBounds(76, 140, 150, 23);

panel.add(enter);

final JRadioButton update = new JRadioButton("Update");

update.setFont(new Font("Tahoma", 1, 12));

update.setBounds(76, 179, 150, 23);

panel.add(update);

final JRadioButton delete = new JRadioButton("Delete");

delete.setFont(new Font("Tahoma", 1, 12));

delete.setBounds(76, 221, 150, 23);

panel.add(delete);

JButton btnNewButton = new JButton("Click First");

btnNewButton.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

ButtonGroup bg = new ButtonGroup();

bg.add(enter);

bg.add(update);

bg.add(delete);

enter.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

if (enter.isSelected()) {

Welcome.this.Enter\_page();

}

}

});

update.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

if (update.isSelected()) {

Welcome.this.Update\_page();

}

}

});

delete.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

if (delete.isSelected()) {

Welcome.this.Update\_page();

}

}

});

}

});

btnNewButton.setBackground(new Color(128, 255, 128));

btnNewButton.setForeground(new Color(0, 0, 0));

btnNewButton.setFont(new Font("Tahoma", 0, 16));

btnNewButton.setBounds(76, 61, 145, 23);

panel.add(btnNewButton);

}

public void Enter\_page() {

Enterdata en = new Enterdata();

en.setVisible(true);

frame.setVisible(false);

}

public void Update\_page() {

Update up = new Update();

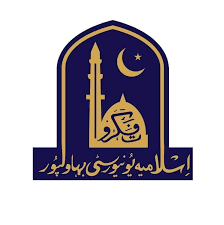
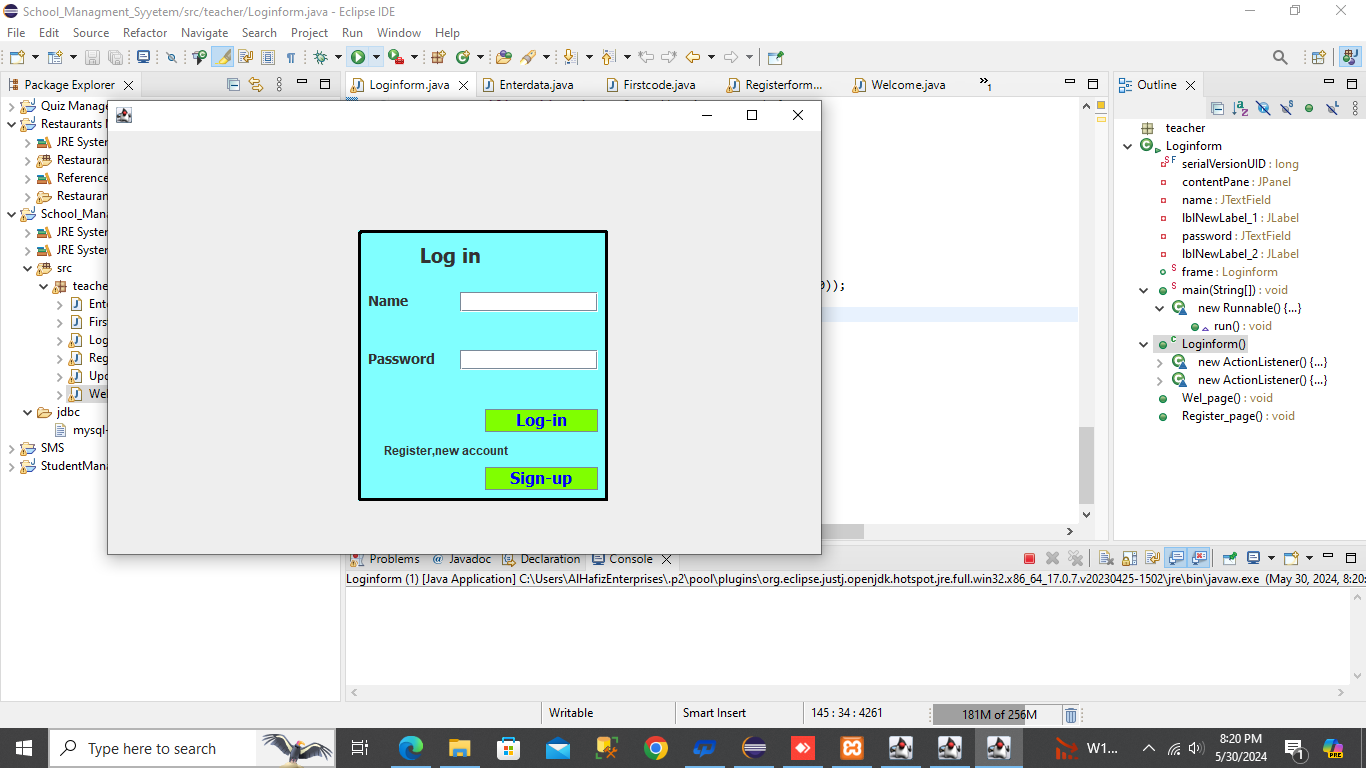
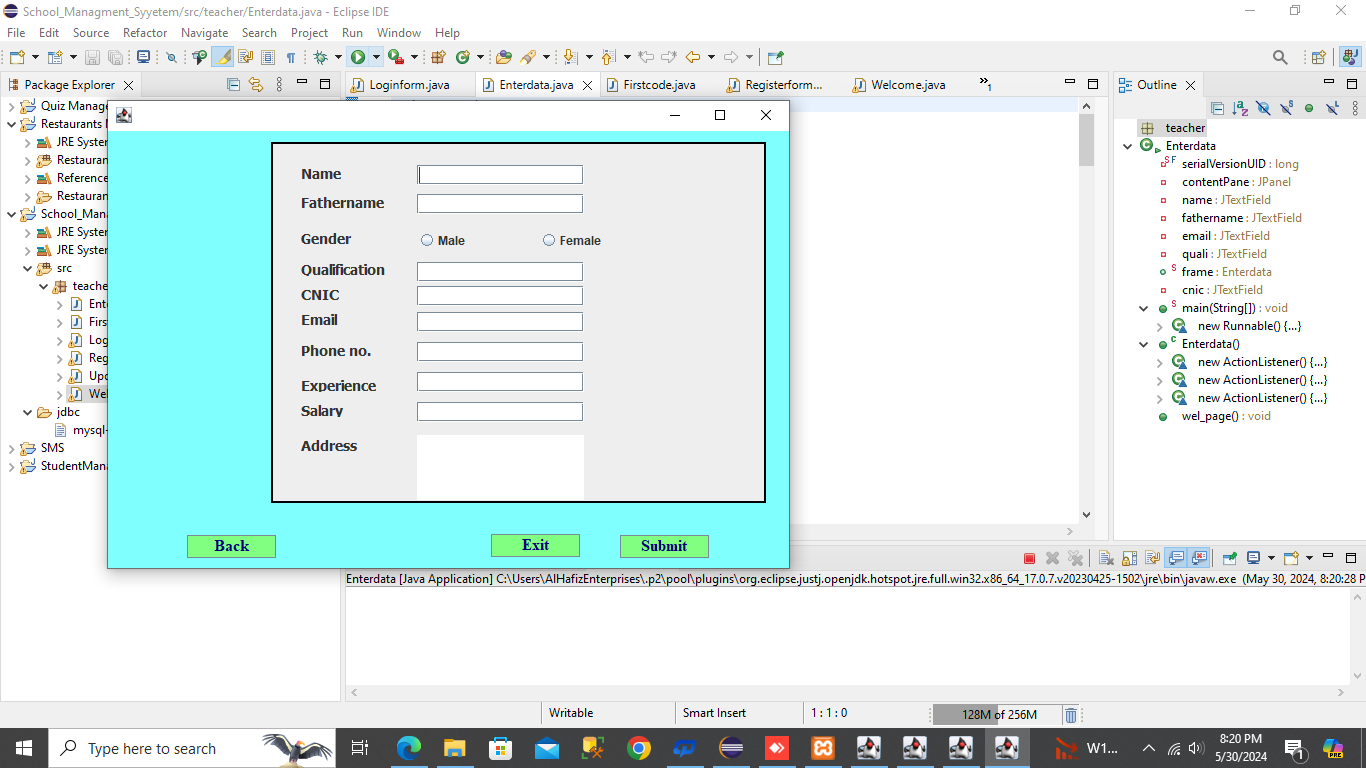
up.setVisible(true);

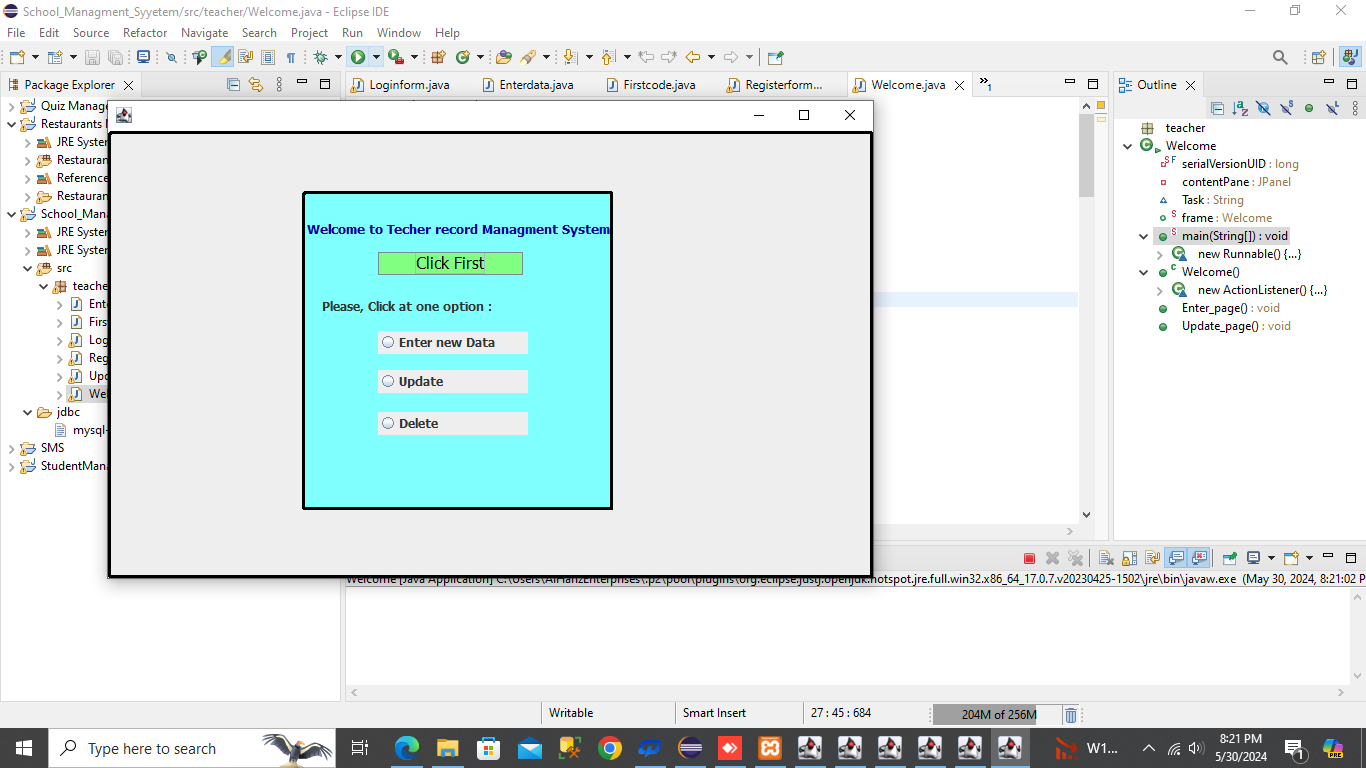
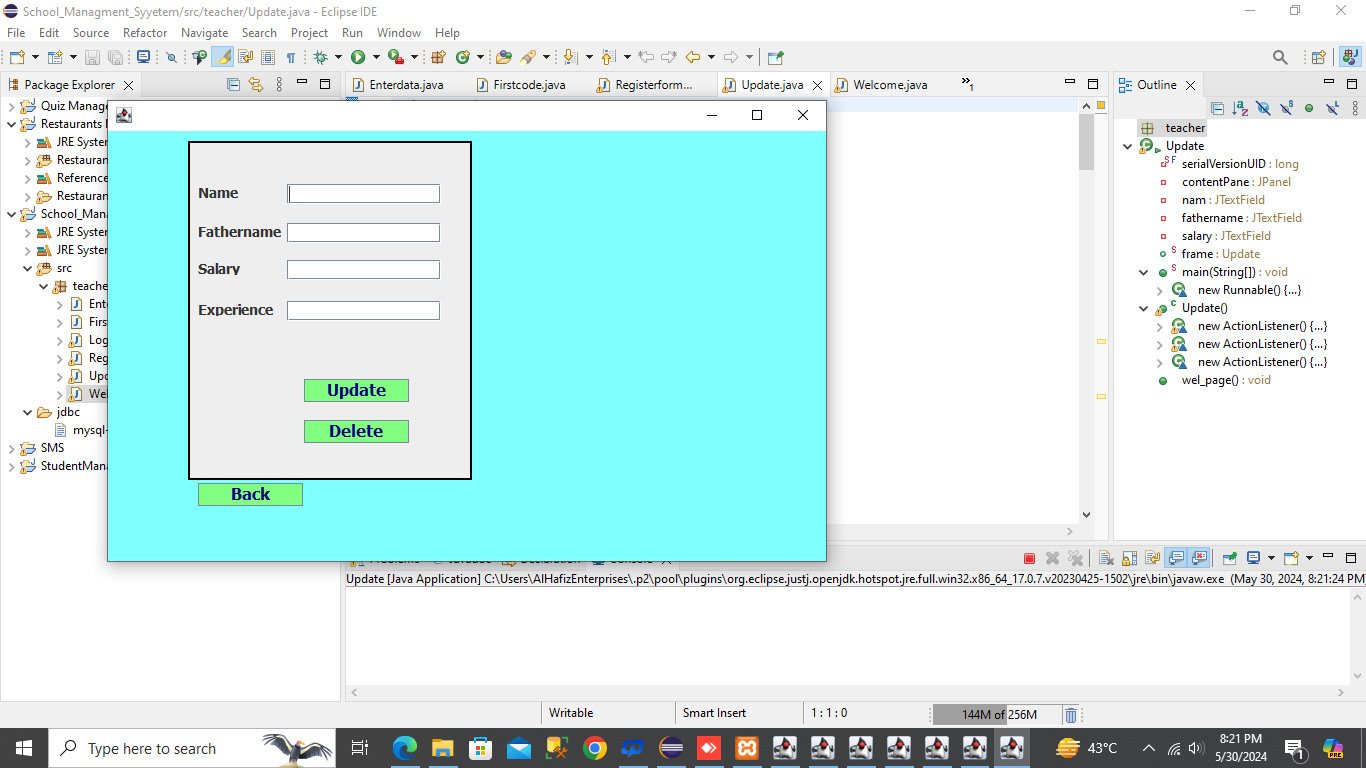
frame.setVisible(false);

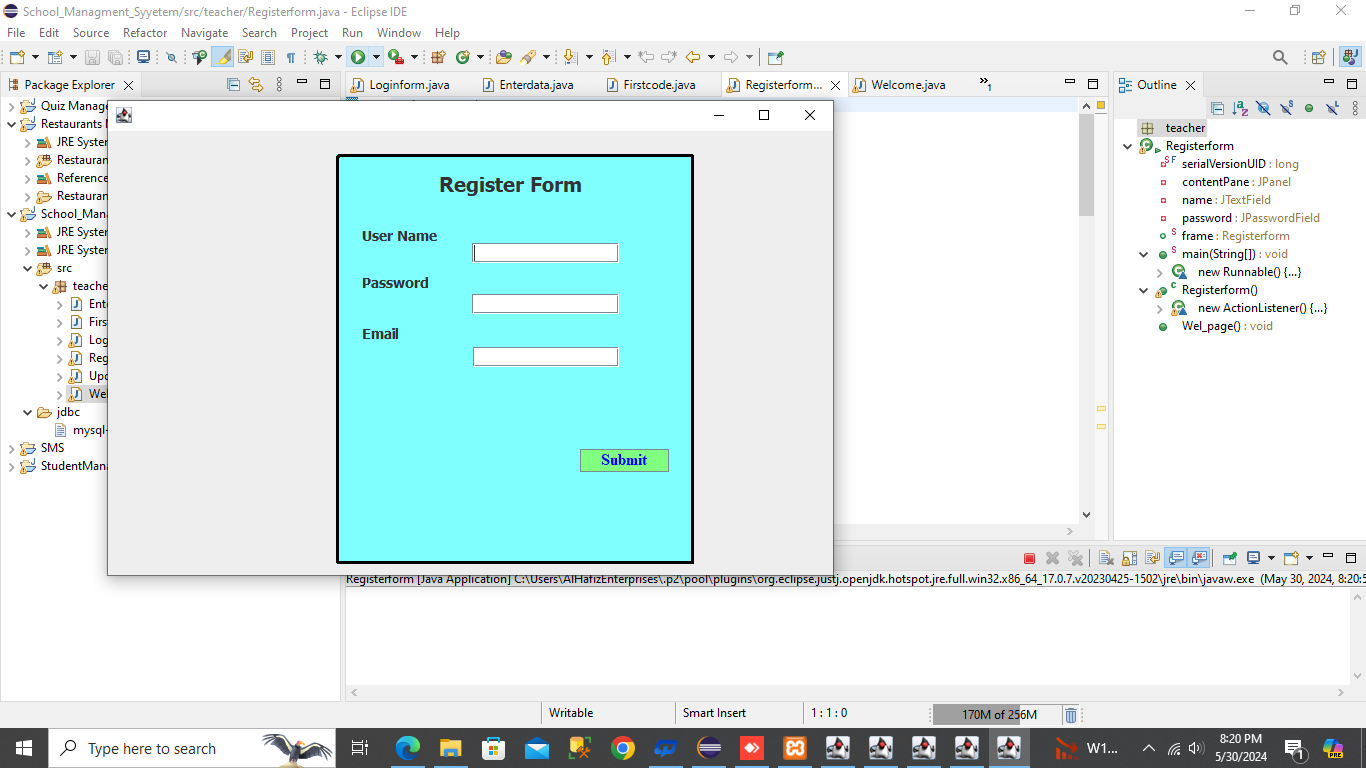
}

}

**Screenshots**

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