## Teachers Feedback Form JAVA - Micro Project

## **Coding:**

```
import javax.swing.*;
import javax.swing.SwingUtilities;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.SQLException;
public class TeacherFeedbackForm extends JFrame {
  private static final long serialVersionUID = 1L;
  private JTextField teacherNameField, studentNameField;
  private JComboBox<Integer> interactionBox, teachingBox, knowledgeBox, clarityBox,
punctualityBox;
  private JTextArea commentsArea;
  public TeacherFeedbackForm() {
    setTitle("Teacher Feedback Form");
    setSize(450, 600);
    setDefaultCloseOperation(JFrame.EXIT ON CLOSE);
    setLayout(new BorderLayout());
    // College Name Label
    JLabel collegeLabel = new JLabel("KONGU ENGINEERING COLLEGE",
JLabel.CENTER);
    collegeLabel.setFont(new Font("Serif", Font.BOLD, 18));
    collegeLabel.setBorder(BorderFactory.createEmptyBorder(10, 0, 20, 0));
```

```
// Form Panel
JPanel formPanel = new JPanel();
formPanel.setLayout(new GridLayout(9, 2, 10, 10));
formPanel.setBorder(BorderFactory.createEmptyBorder(10, 10, 10, 10));
teacherNameField = new JTextField();
studentNameField = new JTextField();
interactionBox = createRatingComboBox();
teachingBox = createRatingComboBox();
knowledgeBox = createRatingComboBox();
clarityBox = createRatingComboBox();
punctualityBox = createRatingComboBox();
commentsArea = new JTextArea(3, 20);
// Submit Button
JButton submitButton = new JButton("Submit");
formPanel.add(new JLabel("Student Name:"));
formPanel.add(studentNameField);
formPanel.add(new JLabel("Teacher Name:"));
formPanel.add(teacherNameField);
formPanel.add(new JLabel("Interaction:"));
formPanel.add(interactionBox);
formPanel.add(new JLabel("Teaching:"));
formPanel.add(teachingBox);
formPanel.add(new JLabel("Subject Knowledge:"));
formPanel.add(knowledgeBox);
formPanel.add(new JLabel("Clarity:"));
```

```
formPanel.add(clarityBox);
  formPanel.add(new JLabel("Punctuality:"));
  formPanel.add(punctualityBox);
  formPanel.add(new JLabel("Comments:"));
  formPanel.add(new JScrollPane(commentsArea));
  // Adding Components
  add(collegeLabel, BorderLayout.NORTH);
  add(formPanel, BorderLayout.CENTER);
  add(submitButton, BorderLayout.SOUTH);
  // Action Listener for Submit Button
  submitButton.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
       submitFeedback();
    }
  });
private JComboBox<Integer> createRatingComboBox() {
  Integer[] ratings = \{1, 2, 3, 4, 5\};
  return new JComboBox<>(ratings);
private void submitFeedback() {
  String studentName = studentNameField.getText();
  String teacherName = teacherNameField.getText();
  int interaction = (int) interactionBox.getSelectedItem();
  int teaching = (int) teachingBox.getSelectedItem();
  int knowledge = (int) knowledgeBox.getSelectedItem();
```

}

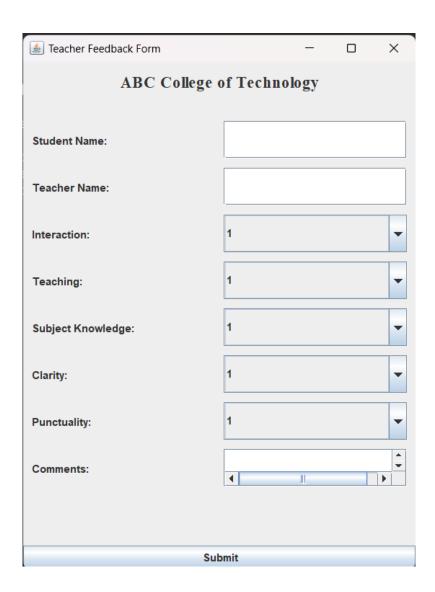
}

```
int clarity = (int) clarityBox.getSelectedItem();
    int punctuality = (int) punctualityBox.getSelectedItem();
    String comments = commentsArea.getText();
    String query = "INSERT INTO teacher feedback (student name, teacher name,
interaction, teaching, knowledge, clarity, punctuality, comments) VALUES (?, ?, ?, ?, ?, ?, ?,
?)";
    try (Connection = DatabaseConnection.getConnection();
       PreparedStatement preparedStatement = connection.prepareStatement(query)) {
       preparedStatement.setString(1, studentName);
       preparedStatement.setString(2, teacherName);
       preparedStatement.setInt(3, interaction);
       preparedStatement.setInt(4, teaching);
       preparedStatement.setInt(5, knowledge);
       preparedStatement.setInt(6, clarity);
       preparedStatement.setInt(7, punctuality);
       preparedStatement.setString(8, comments);
       int rowsAffected = preparedStatement.executeUpdate();
       if (rowsAffected > 0) {
         JOptionPane.showMessageDialog(this, "Feedback submitted successfully!");
         clearForm();
       } else {
         JOptionPane.showMessageDialog(this, "Failed to submit feedback.");
       }
    } catch (SQLException ex) {
       ex.printStackTrace();
    }
  }
```

```
private void clearForm() {
    studentNameField.setText("");
    teacherNameField.setText("");
    interactionBox.setSelectedIndex(0);
    teachingBox.setSelectedIndex(0);
    knowledgeBox.setSelectedIndex(0);
    clarityBox.setSelectedIndex(0);
    punctualityBox.setSelectedIndex(0);
    commentsArea.setText("");
  }
  public static void main(String[] args) {
    SwingUtilities.invokeLater(() -> {
       TeacherFeedbackForm form = new TeacherFeedbackForm();
       form.setVisible(true);
    });
  }
Database connection Coding:
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
public class DatabaseConnection {
  private static final String URL = "jdbc:mysql://localhost:3306/feedback system";
  private static final String USER = "root"; // Replace with your MySQL username
  private static final String PASSWORD = ""; // Replace with your MySQL password
  public static Connection getConnection() throws SQLException {
    return DriverManager.getConnection(URL, USER, PASSWORD);
  }
```

}

## Output:



## **Database:**

