

18ITO02 – ADVANCED JAVA PROGRAMMING

TEAM MEMBERS

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CLASS : CSE-A

PROJECT : ONLINE GRIEVENCE PORTAL

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SUBJECT:ADVANCED JAVA PROGRAMMING

ONLINE GRIEVENCE PORTAL

Ex No: 1

Date : 12/08/2021

Basic Swing Components

Aim:

To create a table, structures (look) and features available pages with tabbedPane concept by using swing components.

Algorithm:

- Create a jTree containing the structure of the Members and officials and add it to the tabbed pane
- Create a jTable containing details of the Additional student to add onm the grievence with add and delete button and add it to the tabbed pane
- Create a jList with what complaint they are facing and add action listener to display the selected complaint and add it to the tabbed pane

Code & Output:

Application.java

```
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JTabbedPane;
import javax.swing.JPanel;
import javax.swing.JTextField;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

import java.awt.Color;
import javax.swing.JSplitPane;
import java.awt.SystemColor;
import javax.swing.ImageIcon;
import java.awt.Font;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JPasswordField;

public class application {

    private JFrame frame;
    private JTextField textField;
    private JPasswordField textField_1;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    application window = new application();
                    window.frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    /**
     * Create the application.
     */
}
```

```

public application() {
    initialize();
}

/**
 * Initialize the contents of the frame.
 */
private void initialize() {
    frame = new JFrame();
    frame.setBounds(100, 100, 1242, 781);
    frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    frame.getContentPane().setLayout(null);

    JPanel panel = new JPanel();
    panel.setBackground(Color.ORANGE);
    panel.setBounds(176, 105, 423, 475);
    frame.getContentPane().add(panel);
    panel.setLayout(null);

    ImageIcon img= new ImageIcon("//adc java/images/200px-
Kongu_Engineering_College_logo.png");
    JLabel lblNewLabel = new JLabel(img);
    lblNewLabel.setIcon(new ImageIcon("C:\\Users\\Dharaneesh\\Desktop\\200px-
Kongu_Engineering_College_logo.png"));

    lblNewLabel.setBounds(81, 102, 261, 257);
    panel.add(lblNewLabel);

    JPanel panel_1 = new JPanel();
    panel_1.setBackground(Color.LIGHT_GRAY);
    panel_1.setBounds(599, 133, 330, 431);
    frame.getContentPane().add(panel_1);
    panel_1.setLayout(null);

    JLabel lblNewLabel_3 = new JLabel("GRIEVENCE PORTAL");
    lblNewLabel_3.setBounds(10, 54, 310, 62);
    lblNewLabel_3.setFont(new Font("Bernard MT Condensed", Font.PLAIN, 38));
    panel_1.add(lblNewLabel_3);

    JTabbedPane tabbedPane = new JTabbedPane(JTabbedPane.TOP);
    tabbedPane.setFont(new Font("Tahoma", Font.BOLD, 16));
    tabbedPane.setBounds(10, 151, 310, 215);
    panel_1.add(tabbedPane);

    JPanel panel_2 = new JPanel();
    tabbedPane.addTab("Reg.No", null, panel_2, null);
    panel_2.setLayout(null);

```

```

JLabel lblNewLabel_1 = new JLabel("Enter Reg.No:");
lblNewLabel_1.setBounds(62, 43, 157, 29);
panel_2.add(lblNewLabel_1);
lblNewLabel_1.setFont(new Font("Yu Gothic UI Semibold", Font.BOLD, 23));

textField = new JTextField();
textField.setBounds(74, 83, 134, 29);
panel_2.add(textField);
textField.setFont(new Font("Tahoma", Font.PLAIN, 14));
textField.setColumns(10);

JPanel panel_3 = new JPanel();
tabbedPane.addTab("Password", null, panel_3, null);
panel_3.setLayout(null);

JLabel lblNewLabel_2 = new JLabel("Password:");
lblNewLabel_2.setBounds(79, 21, 134, 29);
panel_3.add(lblNewLabel_2);
lblNewLabel_2.setFont(new Font("Yu Gothic UI Semibold", Font.BOLD, 23));

textField_1 = new JPasswordField();
textField_1.setBounds(79, 61, 120, 24);
panel_3.add(textField_1);
textField_1.setFont(new Font("Tahoma", Font.PLAIN, 14));
textField_1.setColumns(10);

JButton btnNewButton = new JButton("SUBMIT");
btnNewButton.setBounds(28, 112, 119, 33);
panel_3.add(btnNewButton);
btnNewButton.setFont(new Font("Tahoma", Font.PLAIN, 20));
btnNewButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String Reg=textField.getText();
        String pass=textField_1.getText();

        if(Reg.equals("33")&& pass.equals("123"))
        {
            tabframe tframe=new tabframe(Reg);
            tframe.setVisible(true);
        }
        else
        {
            JOptionPane.showMessageDialog(frame, "Invalid Details");
        }
    }
});
btnNewButton.setForeground(Color.WHITE);

```

```

        btnNewButton.setBackground(Color.BLUE);

        JButton btnNewButton_1 = new JButton("CANCEL");
        btnNewButton_1.setBounds(157, 112, 119, 32);
        panel_3.add(btnNewButton_1);
        btnNewButton_1.setFont(new Font("Tahoma", Font.PLAIN, 20));
        btnNewButton_1.addActionListener(new ActionListener() {
            public void actionPerformed(ActionEvent e) {
                System.exit(0);
            }
        });
        btnNewButton_1.setForeground(Color.WHITE);
        btnNewButton_1.setBackground(Color.BLUE);
    }
}

```

tabFrame.java

```

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JLabel;
import java.awt.Font;
import java.awt.Color;
import javax.swing.JCheckBox;
import javax.swing.JToggleButton;
import java.awt.event.ItemListener;
import java.awt.event.ItemEvent;
import javax.swing.JTextPane;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JRadioButton;
import javax.swing.ButtonGroup;
import javax.swing.JComboBox;

public class tabframe extends JFrame {

    private JPanel contentPane;
    String RegNo;
    String Regard;
    String From,Copy;
    String authority[]= {"Principal","Dept HOD","Class Advisors"};

    /**

```

```

* Launch the application.
*/
public static void main(String[] args) {
    EventQueue.invokeLater(new Runnable() {
        public void run() {
            try {
                tabframe frame = new tabframe();
                frame.setVisible(true);
            } catch (Exception e) {
                e.printStackTrace();
            }
        }
    });
}

/**
 * Create the frame.
 */
public tabframe(String Reg) {

    RegNo=Reg;

    setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    setBounds(100, 100, 1155, 787);
    contentPane = new JPanel();
    contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
    setContentPane(contentPane);
    contentPane.setLayout(null);

    JLabel lblNewLabel = new JLabel("WELCOME TO THE KEC GRIEVENCE PORTAL");
    lblNewLabel.setBackground(new Color(0, 0, 0));
    lblNewLabel.setForeground(new Color(0, 0, 0));
    lblNewLabel.setFont(new Font("Britannic Bold", Font.PLAIN, 40));
    lblNewLabel.setBounds(186, 66, 819, 77);
    contentPane.add(lblNewLabel);

    JLabel lblNewLabel_1 = new JLabel("Hii "+RegNo);
    lblNewLabel_1.setFont(new Font("Verdana", Font.BOLD, 25));
    lblNewLabel_1.setBounds(487, 154, 263, 41);
    contentPane.add(lblNewLabel_1);

    JLabel lblNewLabel_2 = new JLabel("Lodge new grievence reg:");
    lblNewLabel_2.setFont(new Font("Cambria Math", Font.PLAIN, 25));
    lblNewLabel_2.setBounds(230, 258, 320, 55);
    contentPane.add(lblNewLabel_2);

    JToggleButton tglbtnNewToggleButton = new JToggleButton("OFF");

```

```

tglbtnNewToggleButton.setFont(new Font("Tahoma", Font.PLAIN, 15));
tglbtnNewToggleButton.addItemListener(new ItemListener() {
    public void itemStateChanged(ItemEvent e) {
        if (tglbtnNewToggleButton.isSelected())
            tglbtnNewToggleButton.setText("ON");
        else
            tglbtnNewToggleButton.setText("OFF");
    }
});

```

```

tglbtnNewToggleButton.setForeground(new Color(255, 255, 255));
tglbtnNewToggleButton.setBackground(new Color(0, 0, 205));
tglbtnNewToggleButton.setBounds(534, 224, 66, 23);
contentPane.add(tglbtnNewToggleButton);

```

```

JLabel lblNewLabel_3 = new JLabel("Be Anonymous:");
lblNewLabel_3.setToolTipText("Clicking this option makes the user details hidden");
lblNewLabel_3.setFont(new Font("Tahoma", Font.ITALIC, 21));
lblNewLabel_3.setBounds(360, 221, 176, 25);
contentPane.add(lblNewLabel_3);

```

```

JLabel lblNewLabel_4 = new JLabel("Send a copy to:");
lblNewLabel_4.setFont(new Font("Cambria Math", Font.PLAIN, 25));
lblNewLabel_4.setBounds(345, 443, 179, 37);
contentPane.add(lblNewLabel_4);

```

```

JTextPane txtpnNoteNormallyThis = new JTextPane();
txtpnNoteNormallyThis.setFont(new Font("Tahoma", Font.PLAIN, 21));
txtpnNoteNormallyThis.setForeground(Color.WHITE);
txtpnNoteNormallyThis.setBackground(new Color(0, 0, 0));
txtpnNoteNormallyThis.setText("NOTE:\r\nIf you wish to take your issues further to the  
concern of higher authorities, then please select from above options. \r\n[KINDLY USE THIS  
OPTION TO TREAT ONLY SENSITIVE ISSUES]");
txtpnNoteNormallyThis.setBounds(124, 528, 871, 117);
contentPane.add(txtpnNoteNormallyThis);

```

```

JButton btnNewButton = new JButton("PROCEED");

```

```

btnNewButton.setBackground(new Color(0, 0, 255));
btnNewButton.setForeground(new Color(255, 255, 255));
btnNewButton.setFont(new Font("Tahoma", Font.PLAIN, 20));
btnNewButton.setBounds(509, 679, 126, 37);
contentPane.add(btnNewButton);

```

```

JRadioButton rdbtnNewRadioButton = new JRadioButton("Infrastructure");
rdbtnNewRadioButton.setFont(new Font("Tahoma", Font.PLAIN, 21));
rdbtnNewRadioButton.setBounds(509, 273, 162, 23);
contentPane.add(rdbtnNewRadioButton);

```



```

JRadioButton rdbtnNewRadioButton_1 = new JRadioButton("Ragging");
rdbtnNewRadioButton_1.setFont(new Font("Tahoma", Font.PLAIN, 21));
rdbtnNewRadioButton_1.setBounds(509, 310, 162, 23);
contentPane.add(rdbtnNewRadioButton_1);

JRadioButton rdbtnNewRadioButton_2 = new JRadioButton("Staffs");
rdbtnNewRadioButton_2.setFont(new Font("Tahoma", Font.PLAIN, 21));
rdbtnNewRadioButton_2.setBounds(509, 347, 290, 23);
contentPane.add(rdbtnNewRadioButton_2);

JRadioButton rdbtnNewRadioButton_3 = new JRadioButton("Hostel");
rdbtnNewRadioButton_3.setFont(new Font("Tahoma", Font.PLAIN, 21));
rdbtnNewRadioButton_3.setBounds(690, 273, 146, 23);
contentPane.add(rdbtnNewRadioButton_3);

JRadioButton rdbtnNewRadioButton_4 = new JRadioButton("Others");
rdbtnNewRadioButton_4.setFont(new Font("Tahoma", Font.PLAIN, 21));
rdbtnNewRadioButton_4.setBounds(690, 310, 146, 23);
contentPane.add(rdbtnNewRadioButton_4);

ButtonGroup bg=new ButtonGroup();
bg.add(rdbtnNewRadioButton);

bg.add(rdbtnNewRadioButton_1);bg.add(rdbtnNewRadioButton_2);bg.add(rdbtnNewRadioBu
tton_3);
bg.add(rdbtnNewRadioButton_4);

JComboBox comboBox = new JComboBox(authority);
comboBox.setToolTipText("Only use this for Emergency purpose");
comboBox.setFont(new Font("Tahoma", Font.PLAIN, 20));
comboBox.setBackground(new Color(153, 204, 255));
comboBox.setBounds(509, 443, 117, 31);
contentPane.add(comboBox);

btnNewButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {

        if (tglbtnNewToggleButton.isSelected())
        {
            From="Anonymous";
        }
        else
        {
            From=RegNo;
        }
        if(rdbtnNewRadioButton.isSelected()){
            Regard="Infrastructure" ;

```

```

        }
        else if(rdbtnNewRadioButton_1.isSelected()){
            Regard="Ragging";
        }
        else if(rdbtnNewRadioButton_2.isSelected()){
            Regard="Staffs";
        }
        else if(rdbtnNewRadioButton_3.isSelected()){
            Regard="Hostel";
        }
        else if(rdbtnNewRadioButton_4.isSelected()){
            Regard="Others";
        }
        Copy=""+comboBox.getItemAt(comboBox.getSelectedIndex());

        LetterPane LFrame= new LetterPane(Regard,From,Copy);
        LFrame.setVisible(true);
    }
});
}
}

```

LetterPane.java

```

import java.awt.BorderLayout;

import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JEditorPane;
import javax.swing.JLabel;
import javax.swing.JOptionPane;

import java.awt.Font;
import javax.swing.JButton;
import java.awt.Color;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JScrollBar;
import javax.swing.JTextField;
import javax.swing.JTable;
import javax.swing.JScrollPane;
import javax.swing.table.DefaultTableModel;
import java.awt.event.MouseAdapter;
import java.awt.event.MouseEvent;

```

```

public class LetterPane extends JFrame {

    private JPanel contentPane;
    String Reg;
    String Fro,co;
    private JTextField textField;
    private JTextField textField_1;
    private JTextField textField_2;
    private JTable table;

    private JTable table_1;
    DefaultTableModel model;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    LetterPane frame = new LetterPane();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    /**
     * Create the frame.
     */
    public LetterPane(String Regard,String From,String Copy) {

        Reg=Regard;
        Fro=From;
        co=Copy;
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setBounds(100, 100, 1212, 779);
        contentPane = new JPanel();
        contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
        setContentPane(contentPane);
        contentPane.setLayout(null);

        JScrollPane scrollPane = new JScrollPane();
        scrollPane.setBounds(219, 100, 676, 279);
        contentPane.add(scrollPane);
    }
}

```

```

JEditorPane editorPane = new JEditorPane();
scrollPane.setViewportView(editorPane);

JLabel lblNewLabel = new JLabel("Lodge your grievance below in detailed manner:");
lblNewLabel.setFont(new Font("Tahoma", Font.PLAIN, 23));
lblNewLabel.setBounds(225, 45, 537, 44);
contentPane.add(lblNewLabel);

JButton btnNewButton = new JButton("PROCCED");
btnNewButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        String Letter=editorPane.getText();
        SummaryFrame Sframe= new SummaryFrame(Letter,Reg,Fro,co);
        Sframe.setVisible(true);
    }
});
btnNewButton.setBackground(Color.BLUE);
btnNewButton.setForeground(Color.WHITE);
btnNewButton.setFont(new Font("Tahoma", Font.PLAIN, 18));
btnNewButton.setBounds(1057, 570, 112, 36);
contentPane.add(btnNewButton);

JPanel panel = new JPanel();
panel.setBackground(Color.LIGHT_GRAY);
panel.setBounds(10, 464, 1017, 238);
contentPane.add(panel);
panel.setLayout(null);

textField_1 = new JTextField();
textField_1.setColumns(10);
textField_1.setBounds(156, 77, 119, 32);
panel.add(textField_1);

textField = new JTextField();
textField.setBounds(13, 77, 119, 32);
panel.add(textField);
textField.setColumns(10);

textField_2 = new JTextField();
textField_2.setColumns(10);
textField_2.setBounds(293, 77, 119, 32);
panel.add(textField_2);

```

```

JLabel lblNewLabel_1 = new JLabel("Name");
lblNewLabel_1.setFont(new Font("Tahoma", Font.PLAIN, 21));
lblNewLabel_1.setBounds(189, 43, 72, 23);
panel.add(lblNewLabel_1);

JLabel lblNewLabel_1_1 = new JLabel("Reg.No");
lblNewLabel_1_1.setBackground(Color.WHITE);
lblNewLabel_1_1.setFont(new Font("Tahoma", Font.PLAIN, 21));
lblNewLabel_1_1.setBounds(38, 43, 72, 23);
panel.add(lblNewLabel_1_1);

JLabel lblNewLabel_1_2 = new JLabel("Dept");
lblNewLabel_1_2.setFont(new Font("Tahoma", Font.PLAIN, 21));
lblNewLabel_1_2.setBounds(327, 43, 72, 23);
panel.add(lblNewLabel_1_2);
model= new DefaultTableModel();
Object[] Column= {"REG.NO","NAME","DEPT"};
Object[] Row= new Object[3];
model.setColumnIdentifiers(Column);

JButton btnNewButton_1 = new JButton("ADD");

btnNewButton_1.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent arg0) {

if(textField.getText().equals("")||textField_1.getText().equals("")||textField_2.getText().equals(
""))

        {
            JOptionPane.showMessageDialog(null,"Please Fill the Table");
        }
        else
        {
            Row[0]=textField.getText();
            Row[1]=textField_1.getText();
            Row[2]=textField_2.getText();
            model.addRow(Row);

            textField.setText("");
            textField_1.setText("");
            textField_2.setText("");
            JOptionPane.showMessageDialog(null,"Saved!");
        }
    }
});

btnNewButton_1.setForeground(Color.WHITE);

```

```

btnNewButton_1.setBackground(new Color(51, 0, 51));
btnNewButton_1.setFont(new Font("Tahoma", Font.PLAIN, 16));
btnNewButton_1.setBounds(21, 142, 89, 32);
panel.add(btnNewButton_1);

JButton btnNewButton_31 = new JButton("DELETE");
btnNewButton_31.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        int i=table_1.getSelectedRow();
        if(i>=0)
        {
            model.removeRow(i);
            JOptionPane.showMessageDialog(null,"Deleted!");
        }
        else
        {
            JOptionPane.showMessageDialog(null,"Select row first!");
        }
    }
});
btnNewButton_31.setForeground(Color.WHITE);
btnNewButton_31.setBackground(new Color(51, 0, 51));
btnNewButton_31.setFont(new Font("Tahoma", Font.PLAIN, 16));
btnNewButton_31.setBounds(310, 142, 89, 32);
panel.add(btnNewButton_31);

JButton btnNewButton_2 = new JButton("MODIFY");
btnNewButton_2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        int i=table_1.getSelectedRow();
        model.setValueAt(textField.getText(),i,0);
        model.setValueAt(textField_1.getText(),i,1);
        model.setValueAt(textField_2.getText(),i,2);
        JOptionPane.showMessageDialog(null, "Modified");
    }
});
btnNewButton_2.setForeground(Color.WHITE);
btnNewButton_2.setBackground(new Color(51, 0, 51));
btnNewButton_2.setFont(new Font("Tahoma", Font.PLAIN, 16));
btnNewButton_2.setBounds(156, 142, 108, 32);
panel.add(btnNewButton_2);

JScrollPane scrollPane_1 = new JScrollPane();
scrollPane_1.setBounds(432, 25, 552, 198);
panel.add(scrollPane_1);

```

```

table_1 = new JTable();
table_1.addMouseListener(new MouseAdapter() {
    @Override
    public void mouseClicked(MouseEvent e) {
        int i=table_1.getSelectedRow();
        textField.setText(model.getValueAt(i,0).toString());
        textField_1.setText(model.getValueAt(i,1).toString());
        textField_2.setText(model.getValueAt(i,2).toString());

    }
});
scrollPane_1.setViewportViewView(table_1);
table_1.setBackground(Color.WHITE);
table_1.setModel(model);

JLabel lblInCaseOf = new JLabel("In case of Group Grievence add their details:");
lblInCaseOf.setFont(new Font("Tahoma", Font.PLAIN, 23));
lblInCaseOf.setBounds(10, 402, 537, 44);
contentPane.add(lblInCaseOf);
}
}

```

SummaryFrame.java

```

import java.awt.BorderLayout;
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.EmptyBorder;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
import javax.swing.SwingConstants;
import java.awt.Font;
import javax.swing.JButton;
import java.awt.Color;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JTree;
import javax.swing.tree.DefaultTreeModel;
import javax.swing.tree.DefaultMutableTreeNode;
import javax.swing.UIManager;
import javax.swing.JScrollPane;
import javax.swing.JTextField;
import java.awt.event.MouseAdapter;
import java.awt.event.MouseEvent;
import javax.swing.JTextArea;

```

```

public class SummaryFrame extends JFrame {

    private JPanel contentPane;
    String Sletter,Regards,From,Copy;
    private JTextField textField;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    SummaryFrame frame = new SummaryFrame();
                    frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }

    /**
     * Create the frame.
     */
    public SummaryFrame(String Letter,String Reg,String Fro,String co) {

        Sletter=Letter;
        Regards=Reg;
        From=Fro;
        Copy=co;
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setBounds(100, 100, 1209, 790);
        contentPane = new JPanel();
        contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));
        setContentPane(contentPane);
        contentPane.setLayout(null);

        JLabel lblNewLabel = new JLabel("Summary of your Grievence:\n");
        lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 24));

        lblNewLabel.setVerticalAlignment(SwingConstants.TOP);
        lblNewLabel.setBounds(191, 92, 766, 38);
        contentPane.add(lblNewLabel);

        JScrollPane scrollPane = new JScrollPane();
        scrollPane.setBounds(244, 267, 655, 332);
    }
}

```



```

contentPane.add(scrollPane);

JLabel lblNewLabel_1 = new JLabel(Sletter);
scrollPane.setViewportView(lblNewLabel_1);
lblNewLabel_1.setBackground(Color.WHITE);
lblNewLabel_1.setVerticalAlignment(SwingConstants.TOP);
lblNewLabel_1.setFont(new Font("Tahoma", Font.PLAIN, 19));

JLabel lblNewLabel_2 = new JLabel("Reg: "+Regards);
lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 21));
lblNewLabel_2.setBounds(244, 222, 210, 38);
contentPane.add(lblNewLabel_2);

JLabel lblNewLabel_3 = new JLabel("From,");
lblNewLabel_3.setFont(new Font("Tahoma", Font.ITALIC, 21));
lblNewLabel_3.setBounds(202, 125, 66, 26);
contentPane.add(lblNewLabel_3);

JLabel lblNewLabel_4 = new JLabel(From);
lblNewLabel_4.setFont(new Font("Tahoma", Font.PLAIN, 21));
lblNewLabel_4.setBounds(244, 162, 137, 31);
contentPane.add(lblNewLabel_4);

JButton btnNewButton = new JButton("SUBMIT\r\n");
btnNewButton.setToolTipText("Clicking Submit will submit your grievance!");
btnNewButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        System.exit(0);
    }
});
btnNewButton.setForeground(Color.WHITE);
btnNewButton.setBackground(Color.BLUE);
btnNewButton.setFont(new Font("Tahoma", Font.PLAIN, 21));
btnNewButton.setBounds(521, 674, 123, 31);
contentPane.add(btnNewButton);

JLabel lblNewLabel_5 = new JLabel("Sending a copy to: ");
lblNewLabel_5.setFont(new Font("Tahoma", Font.BOLD, 22));
lblNewLabel_5.setBounds(191, 612, 228, 26);
contentPane.add(lblNewLabel_5);

JLabel lblNewLabel_6 = new JLabel(Copy);
lblNewLabel_6.setFont(new Font("Tahoma", Font.PLAIN, 22));
lblNewLabel_6.setBounds(414, 612, 155, 27);
contentPane.add(lblNewLabel_6);

JPanel panel = new JPanel();
panel.setBackground(UIManager.getColor("Button.shadow"));

```

```

panel.setBounds(948, 34, 215, 466);
contentPane.add(panel);
panel.setLayout(null);

JTree tree = new JTree();
tree.addMouseListener(new MouseAdapter() {
    @Override
    public void mouseClicked(MouseEvent e) {
        DefaultMutableTreeNode selectedNode= (DefaultMutableTreeNode)
tree.getSelectionPath().getLastPathComponent();
        textField.setText(selectedNode.getUserObject().toString());
    }
});
tree.setToolTipText("Click to add note to particular authority");
tree.setFont(new Font("Tahoma", Font.PLAIN, 18));
tree.setModel(new DefaultTreeModel(
    new DefaultMutableTreeNode("Portal Authorites") {
        {
            DefaultMutableTreeNode node_1;
            DefaultMutableTreeNode node_2;
            node_1 = new DefaultMutableTreeNode("Principal");
            node_1.add(new
DefaultMutableTreeNode("Mr.Mehta"));
            node_1.add(node_1);
            node_1 = new DefaultMutableTreeNode("Grievence Team");
            node_2 = new
DefaultMutableTreeNode("Chairman");
            node_2.add(new
DefaultMutableTreeNode("Mr.Thomas"));
            node_1.add(node_2);
            node_2 = new DefaultMutableTreeNode("Members");
            node_2.add(new
DefaultMutableTreeNode("Mrs.Grace"));
            node_2.add(new
DefaultMutableTreeNode("Mr.Arthur"));
            node_2.add(new
DefaultMutableTreeNode("Mr.John"));
            node_2.add(new
DefaultMutableTreeNode("Mr.Bellamy\t\t\t"));
            node_1.add(node_2);
            add(node_1);
        }
    }
));
tree.setBounds(10, 65, 195, 324);
panel.add(tree);

textField = new JTextField();

```

```
textField.setFont(new Font("Tahoma", Font.PLAIN, 16));
textField.setBounds(994, 524, 123, 31);
contentPane.add(textField);
textField.setColumns(10);
```


```
JTextArea textArea = new JTextArea();
textArea.setBounds(929, 566, 254, 77);
contentPane.add(textArea);
```

```
JButton btnNewButton_1 = new JButton("ADD NOTE");
btnNewButton_1.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        JOptionPane.showMessageDialog(null, "Note Added!");
    }
});
```

```
btnNewButton_1.setFont(new Font("Tahoma", Font.PLAIN, 16));
btnNewButton_1.setBounds(1004, 656, 123, 31);
contentPane.add(btnNewButton_1);
```

```
    }
}
```

Output:



GRIEVENCE PORTAL

Reg.No

Password

Enter Reg.No:

WELCOME TO THE KEC GRIEVENCE PORTAL

Hii 33

Be Anonymous: ☐ OFF

Lodge new grievence reg: ☐ Infrastructure ☐ Hostel
☐ Ragging ☐ Others
☐ Staffs

Send a copy to:

NOTE:
If you wish to take your issues further to the concern of higher authorities, then please
select from above options.
[KINDLY USE THIS OPTION TO TREAT ONLY SENSITIVE ISSUES]

PROCEED

Lodge your grievence below in detailed manner:

In case of Group Grievence add their details:

Reg.No

Name

Dept

ADD

MODIFY

DELE...

REG.NO	NAME	DEPT
--------	------	------

PROCCED

Lodge your grievance below in detailed manner:

RESPECTED SIR!

Message

Saved!

OK

In case of Group Grievance add their details:

Reg.No

Name

Dept

ADD

MODIFY

DELE...

REG.NO	NAME	DEPT
19CSR054	HARIS	CSE

PROCCED

Summary of your Grievence:

From,

33

Reg: Staffs

RESPECTED SIR!

Sending a copy to: Principal

Portal Authorites

Principal

Grievence Team

ADD NOTE

SUBMIT

Summary of your Grievence:

From,

33

Reg: Staffs

RESPECTED SIR!

Portal Authorites

Principal

Mr.Mehta

Grievence Team

Chairman

Mr.Thomas

Members

Mr.Thomas

ADD NOTE

Sending a copy to: Principal

SUBMIT

Result:

Thus the above features has been implemented with the swing components.