

```
//THE IMPORTED LIBRARIES
```

```
import javax.swing.*;
```

```
import javax.swing.undo.*;
```

```
import java.io.*;
```

```
import java.awt.*;
```

```
import java.awt.event.*;
```

```
import javax.swing.event.*;
```

```
import java.util.*;
```

```
import javax.swing.text.*;
```

```
import java.text.*;
```

```
public class myedit extends JFrame implements ActionListener
```

```
{
```

```
    public static myedit e;
```

```
    //DECLARATION OF ALL THE VARIABLES USED IN THIS APPLICATION
```

```
    JTextArea text = new JTextArea(0,0);
```

```
    JScrollPane scroll = new JScrollPane(text);
```

```
    JMenuBar mb=new JMenuBar();
```

```
    JMenu FILE = new JMenu("File");
```

```
    JMenu EDIT = new JMenu("Edit");
```

```
    JMenu SEARCH = new JMenu("Search");
```

```
    JMenu HELP = new JMenu("Help");
```

```
    JMenuItem NEWFILE = new JMenuItem("New");
```

```
    JMenuItem OPENFILE = new JMenuItem("Open...");
```

```
    JMenuItem SAVEFILE = new JMenuItem("Save");
```

```
JMenuItem SAVEASFILE = new JMenuItem("Save As...");
```

```
JMenuItem EXITFILE = new JMenuItem("Exit");
```

```
JMenuItem CUTEDIT = new JMenuItem("Cut");
```

```
JMenuItem COPYEDIT = new JMenuItem("Copy");
```

```
JMenuItem PASTEDIT = new JMenuItem("Paste");
```

```
JMenuItem DELETEDIT = new JMenuItem("Delete");
```

```
JMenuItem SELECTEDIT = new JMenuItem("Select All");
```

```
JMenuItem TIMEDIT = new JMenuItem("Time/Date");
```

```
JCheckBoxMenuItem WORDEDIT = new JCheckBoxMenuItem("Word Wrap");
```

```
JMenuItem FONTEDIT = new JMenuItem("Set Font...");
```

```
JMenuItem FINDSEARCH = new JMenuItem("Find");
```

```
JMenuItem FINDNEXTSEARCH = new JMenuItem("Find Next");
```

```
JMenuItem ABOUTHELP = new JMenuItem("About");
```

```
JPopupMenu POPUP = new JPopupMenu();
```

```
JMenuItem CUTPOPUP = new JMenuItem("Cut");
```

```
JMenuItem COPYPOPUP = new JMenuItem("Copy");
```

```
JMenuItem PASTEPOPUP = new JMenuItem("Paste");
```

```
JMenuItem DELETEPOPUP = new JMenuItem("Delete");
```

```
JMenuItem SELECTPOPUP = new JMenuItem("Select All");
```

```
UndoManager undo = new UndoManager();
```

```
UndoAction undoAction = new UndoAction();
```

```
boolean opened = false;
```

```
String wholeText,findString,filename = null;
```

```
int ind = 0;
```

```
//CLASS FOR HANDLING UNDO MENU OPTION OF EDIT AND POPUP MENU
```

```
class UndoAction extends AbstractAction
```

```
{
```

```
    public UndoAction()
```

```
    {
```

```
        super("Undo");
```

```
    }
```

```
    public void actionPerformed(ActionEvent e)
```

```
    {
```

```
        try
```

```
        {
```

```
            undo.undo();
```

```
        }
```

```
        catch (CannotUndoException ex)
```

```
        {
```

```
            System.out.println("Unable to undo: " + ex);
```

```
            ex.printStackTrace();
```

```
        }
```

```
        update();
```

```
    }
```

```
    protected void update()
```

```
    {
```

```
        if(undo.canUndo())
```

```
        {
```

```
            setEnabled(true);
```

```
            putValue("Undo", undo.getUndoPresentationName());
```

```
        }
```

```

        else
        {
            setEnabled(false);
            putValue(Action.NAME, "Undo");
        }
    }
}

```

//DEFAULT CONSTRUCTOR OF THE MYEDIT CLASS

```

public myedit()
{
    //SETING DEFAULT TITLE OF THE FRAME
    setTitle("Untitled");

    //SETTING DEFAULT SIZE OF THE FRAME
    setSize(600,400);

    //MAKING THE FRAME VISIBLE
    setVisible(true);

    //SETTING WORD WRAP TO TRUE AS DEFAULT
    text.setLineWrap(true);

    //SETTING THE DEFAULT STATE OF WORDWRAP MENU OPTION IN EDIT MENU
    WORDEDIT.setState(true);

    //SETTING THE LAYOUT OF THE FRAME
    getContentPane().setLayout(new BorderLayout());

    //ADDS THE SCROLLPANE CONTAINING THE TEXTAREA TO THE CONTAINER
    getContentPane().add(scroll, BorderLayout.CENTER);
}

```

```
//ADDING THE MAIN MENUBAR TO THE FRAME
```

```
setJMenuBar(mb);
```

```
//ADDING MENUS TO THE MAIN MENUBAR
```

```
mb.add(FILE);
```

```
mb.add(EDIT);
```

```
mb.add(SEARCH);
```

```
mb.add(HELP);
```

```
//ADDING MENUITEMS TO THE FILE MENU
```

```
FILE.add(NEWFILE);
```

```
FILE.add(OPENFILE);
```

```
FILE.add(SAVEFILE);
```

```
FILE.add(SAVEASFILE);
```

```
FILE.addSeparator();
```

```
FILE.add(EXITFILE);
```

```
//ADDING MENUITEMS TO THE EDIT MENU
```

```
EDIT.add(undoAction);
```

```
EDIT.add(CUTEDIT);
```

```
EDIT.add(COPYEDIT);
```

```
EDIT.add(PASTEDIT);
```

```
EDIT.add(DELETEDIT);
```

```
EDIT.addSeparator();
```

```
EDIT.add(SELECTEDIT);
```

```
EDIT.add(TIMEDIT);
```

```
EDIT.addSeparator();
```

```
EDIT.add(WORDEDIT);
```

```
EDIT.add(FONTEDIT);
```

```
//ADDING MENUITEMS TO THE SEARCH MENU
```

```
SEARCH.add(FINDSEARCH);
```

```
SEARCH.add(FINDNEXTSEARCH);
```

```
//ADDING MENUITEM TO THE HELP MENU
```

```
HELP.add(ABOUTHELP);
```

```
//ADDING MENUITEMS TO THE POPUPMENU
```

```
POPUP.add(undoAction);
```

```
POPUP.addSeparator();
```

```
POPUP.add(CUTPOPUP);
```

```
POPUP.add(COPYPOPUP);
```

```
POPUP.add(PASTEPOPUP);
```

```
POPUP.add(DELETEPOPUP);
```

```
POPUP.addSeparator();
```

```
POPUP.add(SELECTPOPUP);
```

```
//SETTING SHORTCUT KEYS OF MENUS IN THE MAIN MENUBAR
```

```
FILE.setMnemonic(KeyEvent.VK_F);
```

```
EDIT.setMnemonic(KeyEvent.VK_E);
```

```
SEARCH.setMnemonic(KeyEvent.VK_S);
```

```
HELP.setMnemonic(KeyEvent.VK_H);
```

```
//SETTING SHORTCUT KEYS OF MENUITEMS IN THE FILE MENU
```

```
NEWFILE.setMnemonic(KeyEvent.VK_N);
```

```
OPENFILE.setMnemonic(KeyEvent.VK_O);
```

```
SAVEFILE.setMnemonic(KeyEvent.VK_S);
```

```
SAVEASFILE.setMnemonic(KeyEvent.VK_A);
```

```
EXITFILE.setMnemonic(KeyEvent.VK_X);
```

```
//SETTING SHORTCUT KEYS OF MENUITEMS IN THE EDIT MENU
```

```
CUTEDIT.setMnemonic(KeyEvent.VK_T);
COPYEDIT.setMnemonic(KeyEvent.VK_C);
PASTEDIT.setMnemonic(KeyEvent.VK_P);
DELETEDIT.setMnemonic(KeyEvent.VK_L);
SELECTEDIT.setMnemonic(KeyEvent.VK_A);
TIMEDIT.setMnemonic(KeyEvent.VK_D);
WORDEDIT.setMnemonic(KeyEvent.VK_W);
FONTEDIT.setMnemonic(KeyEvent.VK_F);
```

```
//SETTING SHORTCUT KEYS OF MENUITEMS IN THE SEARCH MENU
```

```
FINDSEARCH.setMnemonic(KeyEvent.VK_F);
FINDNEXTSEARCH.setMnemonic(KeyEvent.VK_N);
```

```
//SETTING SHORTCUT KEYS OF MENUITEM IN THE HELP MENU
```

```
ABOUTHELP.setMnemonic(KeyEvent.VK_A);
```

```
//SETTING SHORTCUT KEYS OF MENUITEMS IN THE POPUPMENU
```

```
CUTPOPUP.setMnemonic(KeyEvent.VK_T);
COPYPOPUP.setMnemonic(KeyEvent.VK_C);
PASTEPOPUP.setMnemonic(KeyEvent.VK_P);
DELETEPOPUP.setMnemonic(KeyEvent.VK_D);
SELECTPOPUP.setMnemonic(KeyEvent.VK_A);
```

```
//SETTING ACCELERATOR KEYS OF SOME MENUITEMS IN THE EDIT MENU
```

```
CUTEDIT.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_X,ActionEvent.CTRL_MASK));
COPYEDIT.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_C,ActionEvent.CTRL_MASK));
PASTEDIT.setAccelerator(KeyStroke.getKeyStroke(KeyEvent.VK_V,ActionEvent.CTRL_MASK));
```

```
//ADDING LISTENERS TO THE MENUITEMS IN FILE MENU
```

```
NEWFILE.addActionListener(this);
OPENFILE.addActionListener(this);
SAVEFILE.addActionListener(this);
SAVEASFILE.addActionListener(this);
EXITFILE.addActionListener(this);

//ADDING LISTENERS TO THE MENUITEMS IN EDIT MENU
text.getDocument().addUndoableEditListener(new UndoListener());
CUTEDIT.addActionListener(this);
COPYEDIT.addActionListener(this);
PASTEDIT.addActionListener(this);
DELETEDIT.addActionListener(this);
SELECTEDIT.addActionListener(this);
TIMEDIT.addActionListener(this);
WORDEDIT.addActionListener(this);
FONTEDIT.addActionListener(this);

//ADDING LISTENERS TO THE MENUITEMS IN SEARCH MENU
FINDSEARCH.addActionListener(this);
FINDNEXTSEARCH.addActionListener(this);

//ADDING LISTENERS TO THE MENUITEM IN HELP MENU
ABOUTHELP.addActionListener(this);

//ADDING LISTENERS TO THE MENUITEMS IN POPUPMENU
CUTPOPUP.addActionListener(this);
COPYPOPUP.addActionListener(this);
PASTEPOPUP.addActionListener(this);
DELETEPOPUP.addActionListener(this);
SELECTPOPUP.addActionListener(this);
```



```
//ADDING MOUSELISTENER TO RIGHT CLICK FOR THE POPUPLISTENER
```

```
text.addMouseListener(new MouseAdapter()
{
    public void mousePressed(MouseEvent e)
    {
        if (e.isPopupTrigger())
        {
            POPUP.show(e.getComponent(),e.getX(), e.getY());
        }
    }

    public void mouseReleased(MouseEvent e)
    {
        if (e.isPopupTrigger())
        {
            POPUP.show(e.getComponent(),e.getX(), e.getY());
        }
    }
});
```

```
//ADDING WINDOWLISTENER TO HANDLE CLOSE WINDOW EVENT
```

```
/*    addWindowListener( new WindowAdapter()
    { public void windowClosing(WindowEvent evt)
    {
        int response = JOptionPane.showConfirmDialog(null, "Do you really want to
quit?");

        System.out.println("Inside Window Listener");
        switch (response)
        {
            case 0:
```

```

        {
            dispose();
            break; }

        case 2:
        {
            //myedit x = new myedit();
            System.out.println("Inside 2");
            e=new myedit();
            e.setVisible(true);
            break;}
    }
    System.out.println("response is :="+response);
}
}); */

```

```

addWindowListener(new WindowAdapter()
{
    public void windowClosing(WindowEvent e)
    {
        exitApIn();
    }
});
}

```

```

//HANDLING ALL EVENTS OF THE TEXT EDITOR
public void actionPerformed(ActionEvent e)
{

```

```
//ACTION FOR NEW MENU OPTION OF FILE MENU
```

```
if (e.getSource()==NEWFILE)
```

```
{
```

```
    newfile();
```

```
}
```

```
//ACTION FOR OPEN MENU OPTION OF FILE MENU
```

```
if (e.getSource()==OPENFILE)
```

```
{
```

```
    open();
```

```
}
```

```
//ACTION FOR SAVE MENU OPTION OF FILE MENU
```

```
if (e.getSource()==SAVEFILE)
```

```
{
```

```
    save();
```

```
}
```

```
//ACTION FOR SAVEAS MENU OPTION OF FILE MENU
```

```
if (e.getSource()==SAVEASFILE)
```

```
{
```

```
    opened=false;
```

```
    save();
```

```
}
```

```
//ACTION FOR EXIT MENU OPTION OF FILE MENU
```

```
if (e.getSource()==EXITFILE)
```

```
{
```

```
    exitApIn();
```

```
}
```

```
//ACTION FOR CUT MENU OPTION OF EDIT MENU AND POPUPMENU
```

```
if ((e.getSource()==CUTEDIT) || (e.getSource()==CUTPOPUP))
```

```
{
```

```
    text.cut();
```

```
}
```

```
//ACTION FOR COPY MENU OPTION OF EDIT MENU AND POPUPMENU
```

```
if ((e.getSource()==COPYEDIT) || (e.getSource()==COPYPOPUP))
```

```
{
```

```
    text.copy();
```

```
}
```

```
//ACTION FOR PASTE MENU OPTION OF EDIT MENU AND POPUPMENU
```

```
if ((e.getSource()==PASTEDIT) || (e.getSource()==PASTEPOPUP))
```

```
{
```

```
    text.paste();
```

```
}
```

```
//ACTION FOR DELETE MENU OPTION OF EDIT MENU AND POPUPMENU
```

```
if ((e.getSource()==DELETEDIT) || (e.getSource()==DELETEPOPUP))
```

```
{
```

```
    text.replaceSelection(null);
```

```
}
```

```
//ACTION FOR SELECTALL MENU OPTION OF EDIT MENU AND POPUPMENU
```

```
if ((e.getSource()==SELECTEDIT) || (e.getSource()==SELECTPOPUP))
```

```
{
```

```
    text.selectAll();
```

```
}
```

```
//ACTION FOR TIME/DATE MENU OPTION OF EDIT MENU
```

```
if (e.getSource()==TIMEDIT)
```

```
{
```

```
    Date currDate;
```

```
    String dd;
```

```
    currDate = new java.util.Date();
```

```
    dd=currDate.toString();
```

```
    text.insert(dd,text.getCaretPosition());
```

```
}
```

```
//ACTION FOR WORD WRAP MENU OPTION OF EDIT MENU
```

```
if (e.getSource()==WORDEDIT)
```

```
{
```

```
    if(WORDEDIT.isSelected())
```

```
        text.setLineWrap(true);
```

```
    else
```

```
        text.setLineWrap(false);
```

```
}
```

```
//ACTION FOR SET FONT MENU OPTION OF EDIT MENU
```

```
if (e.getSource()==FONTEDIT)
```

```
{
```

```
    fontDialogBox fontS = new fontDialogBox();
```

```
}
```

```
//ACTION FOR FIND MENU OPTION OF SEARCH MENU
```

```
if (e.getSource()==FINDSEARCH)
```

```
{
```

```
    wholeText=text.getText();
```

```
    findString =JOptionPane.showInputDialog(null, "Find What", "Find",
```

```
JOptionPane.INFORMATION_MESSAGE);
```

```

        ind = wholeText.indexOf(findString,0);

        text.setCaretPosition(ind);

        text.setSelectionStart(ind);

        text.setSelectionEnd(ind+findString.length());

    }

    //ACTION FOR FIND NEXT MENU OPTION OF SEARCH MENU
    if (e.getSource()==FINDNEXTSEARCH)
    {

        wholeText= text.getText();

        findString = JOptionPane.showInputDialog(null, "Find What","Find Next",
JOptionPane.INFORMATION_MESSAGE);

        ind = wholeText.indexOf(findString, text.getCaretPosition());

        text.setCaretPosition(ind);

        text.setSelectionStart(ind);

        text.setSelectionEnd(ind+findString.length());

    }

    //ACTION FOR ABOUT MENU OPTION OF HELP MENU
    if (e.getSource()==ABOUTHELP)
    {

        JOptionPane.showMessageDialog(null, "This is a simple Text Editor
application built using Java.",
        "About Editor",
        JOptionPane.INFORMATION_MESSAGE);

    }

}

//ACTION FOR NEW MENU OPTION OF FILE MENU
public void newfile()

```

```

{
    if(!text.getText().equals(""))
    {
        opened=false;
        int confirm = JOptionPane.showConfirmDialog(null,
            "Text in the Untitled file has changed. \n Do you want to save the changes?",
            "New File",

JOptionPane.YES_NO_CANCEL_OPTION,JOptionPane.INFORMATION_MESSAGE);

        if( confirm == JOptionPane.YES_OPTION )
        {
            save();
            text.setText(null);
        }
        else if( confirm == JOptionPane.NO_OPTION )
        {
            text.setText(null);
        }
    }
}

```

//ACTION FOR OPEN MENU OPTION OF FILE MENU

```

public void open()
{
    text.setText(null);
    JFileChooser ch = new JFileChooser();
    ch.setCurrentDirectory(new File("."));
    ch.setFileFilter(new javax.swing.filechooser.FileFilter()
    {
        public boolean accept(File f)

```

```

        {
            return f.isDirectory()
                || f.getName().toLowerCase().endsWith(".java");
        }

        public String getDescription()
        {
            return "Java files";
        }
    });

    int result = ch.showOpenDialog(new JPanel());
    if(result == JFileChooser.APPROVE_OPTION)
    {
        filename = String.valueOf(ch.getSelectedFile());
        setTitle(filename);
        opened=true;
        FileReader fr;
        BufferedReader br;

        try
        {
            fr=new FileReader (filename);
            br=new BufferedReader(fr);
            String s;
            while((s=br.readLine())!=null)
            {
                text.append(s);
                text.append("\n");
            }
            fr.close();
        }
        catch(FileNotFoundException ex)
    }

```



```

        {
            JOptionPane.showMessageDialog(this, "Requested file not found",
"Error Dialog box", JOptionPane.ERROR_MESSAGE);}

        catch(Exception ex)
        {System.out.println(ex);}
    }
}

//ACTION FOR SAVE MENU OPTION OF FILE MENU
public void save()
{
    if(opened==true)
    {
        try
        {
            FileWriter f1 = new FileWriter(filename);
            f1.write(text.getText());
            f1.close();
            opened = true;
        }
        catch(FileNotFoundException ex)
        {
            JOptionPane.showMessageDialog(this, "Requested file not found",
"Error Dialog box", JOptionPane.ERROR_MESSAGE);}
            catch(IOException ioe){ioe.printStackTrace();}
        }
    else
    {
        JFileChooser fc = new JFileChooser();
        fc.setCurrentDirectory(new File("."));
        int result = fc.showSaveDialog(new JPanel());
    }
}

```

```

        if(result == JFileChooser.APPROVE_OPTION)
        {
            filename = String.valueOf(fc.getSelectedFile());
            setTitle(filename);
            try
            {
                FileWriter f1 = new FileWriter(filename);
                f1.write(text.getText());
                f1.close();
                opened = true;
            }
            catch(FileNotFoundException ex)
        {
            JOptionPane.showMessageDialog(this, "Requested file not found",
            "Error Dialog box", JOptionPane.ERROR_MESSAGE);}

            catch(IOException ioe){ioe.printStackTrace();}

        }

    }

}

//ACTION FOR EXIT MENU OPTION OF FILE MENU AND CLOSE WINDOW BUTTON
public void exitApIn()
{
    if(!text.getText().equals(""))
    {
        int confirm = JOptionPane.showConfirmDialog(null,
        "Text in the file has changed. \n Do you want to save the changes?",
        "Exit",

```

```
JOptionPane.YES_NO_CANCEL_OPTION,JOptionPane.INFORMATION_MESSAGE);
```

```
    if( confirm == JOptionPane.YES_OPTION )
    {
        save();
        dispose();
        System.exit(0);
    }
    else if( confirm == JOptionPane.CANCEL_OPTION )
    {
        e=new myedit();
        String s= text.getText();
        e.setVisible(true);
        e.text.setText(s);
    }
    else if( confirm == JOptionPane.NO_OPTION )
    {
        dispose();
        System.exit(0);
    }
}
else
{
    System.exit(0);
}
}
```

```
//CLASS FOR UNDOLISTENER
```

```
class UndoListener implements UndoableEditListener
```

```
{
```

```

        public void undoableEditHappened(UndoableEditEvent e)
        {
            undo.addEdit(e.getEdit());
            undoAction.update();
        }
    }

```

//CLASS FOR BUILDING AND DISPLAYING FONT DIALOG BOX

class fontDialogBox extends JFrame implements ActionListener

```

{

```

```

    //DECLARATION OF ALL VARIABLES USED IN fontDialogBox CLASS

```

```

        String availableFontString[] =
GraphicsEnvironment.getLocalGraphicsEnvironment().getAvailableFontFamilyNames();

```

```

        JList fontList = new JList(availableFontString);

```

```

        JLabel fontLabel = new JLabel("Font");

```

```

        JTextField valueFont=new JTextField("Arial");

```

```

        JScrollPane fontPane = new JScrollPane(fontList);

```

```

        String fontStyleString[] = {"Normal","Bold","Italic","Bold Italic"};

```

```

        JList styleList = new JList(fontStyleString);

```

```

        JLabel styleLabel = new JLabel("Style");

```

```

        int v = ScrollPaneConstants.VERTICAL_SCROLLBAR_ALWAYS;

```

```

        int h = ScrollPaneConstants.HORIZONTAL_SCROLLBAR_AS_NEEDED;

```

```

        JScrollPane stylePane = new JScrollPane(styleList,v,h);

```

```

        JTextField valueStyle=new JTextField("Normal");

```

```

        String fontSizeString[] = {"8","10","12","14","16","18","20","22","24","28"};

```

```

        JList sizeList = new JList(fontSizeString);

```

```

        JLabel sizeLabel = new JLabel("Font size");

```

```
JScrollPane sizePane = new JScrollPane(sizeList);
```

```
TextField valueSize=new TextField("12");
```

```
Button okButton = new Button("OK");
```

```
Button cancelButton = new Button("Cancel");
```

```
JLabel sampleLabel = new JLabel("Sample:");
```

```
TextField sample = new TextField(" AaBbCc");
```

```
Font selectedFont;
```

```
//DEFAULT CONSTRUCTOR OF fontDialogBox CLASS
```

```
public fontDialogBox()
```

```
{
```

```
    setSize(500,300);
```

```
    setTitle("Font");
```

```
    setVisible(true);
```

```
    sample.setEditable(false);
```

```
    getContentPane().setLayout(null);
```

```
    fontLabel.setBounds(10,10,170,20);
```

```
    valueFont.setBounds(10,35,170,20);
```

```
    fontPane.setBounds(10,60,170,150);
```

```
    styleLabel.setBounds(200,10,100,20);
```

```
    valueStyle.setBounds(200,35,100,20);
```

```
    stylePane.setBounds(200,60,100,150);
```

```
    sizeLabel.setBounds(320,10,50,20);
```

```
    valueSize.setBounds(320,35,50,20);
```

```
sizePane.setBounds(320,60,50,150);
```

```
okButton.setBounds(400,35,80,20);
```

```
cancelButton.setBounds(400,60,80,20);
```

```
sampleLabel.setBounds(150,235,50,30);
```

```
sample.setBounds(200,235,100,30);
```

```
getContentPane().add(fontLabel);
```

```
getContentPane().add(fontPane);
```

```
getContentPane().add(valueFont);
```

```
getContentPane().add(styleLabel);
```

```
getContentPane().add(stylePane);
```

```
getContentPane().add(valueStyle);
```

```
getContentPane().add(sizeLabel);
```

```
getContentPane().add(sizePane);
```

```
getContentPane().add(valueSize);
```

```
getContentPane().add(okButton);
```

```
getContentPane().add(cancelButton);
```

```
getContentPane().add(sampleLabel);
```

```
getContentPane().add(sample);
```

```
okButton.addActionListener(this);
```

```
cancelButton.addActionListener(this);
```

```
fontList.addListSelectionListener(new ListSelectionListener()
```

```
{
```

```
    public void valueChanged(ListSelectionEvent event)
```

```

        {
            if (!event.getValueIsAdjusting())
            {
                valueFont.setText(fontList.getSelectedValue().toString());

                selectedFont = new
Font(valueFont.getText(),styleList.getSelectedIndex(),Integer.parseInt(valueSize.getText()));

                sample.setFont(selectedFont);
            }
        }
    });

```

```

styleList.addListSelectionListener(new ListSelectionListener()
{
    public void valueChanged(ListSelectionEvent event)
    {
        if (!event.getValueIsAdjusting())
        {
            valueStyle.setText(styleList.getSelectedValue().toString());

            selectedFont = new
Font(valueFont.getText(),styleList.getSelectedIndex(),Integer.parseInt(valueSize.getText()));

            sample.setFont(selectedFont);
        }
    }
});

```

```

sizeList.addListSelectionListener(new ListSelectionListener()
{
    public void valueChanged(ListSelectionEvent event)
    {
        if (!event.getValueIsAdjusting())
        {

```

