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/*
 * JFontChooserDialog.java
 *
 * Created on January 3, 2007, 10:23 AM
 */

package Utilidades;

import java.awt.Component;
import java.awt.Dialog;
import java.awt.Font;
import java.awt.Frame;
import java.awt.GraphicsEnvironment;
import java.awt.Toolkit;
import java.awt.font.TextAttribute;
import java.util.Hashtable;
import java.util.Map;
import javax.swing.DefaultListModel;

/**
 *
 * @author Robert Eckstein
 */
public class JFontChooserDialog extends javax.swing.JDialog {

    private Font selectedFont;

    protected String[] fontNames;
    protected String fontSizes[] = { "8", "10", "11", "12", "14", "16", "18",
        "20", "24", "30", "36", "40", "48", "60", "72" };
    protected String fontStyles[] = { "Normal", "Bold", "Italic", "Bold and Italic" };

    protected DefaultListModel fontNameListModel;
    protected DefaultListModel fontStyleListModel;
    protected DefaultListModel fontSizeListModel;

    /** Creates new form JFontChooserDialog */
    public JFontChooserDialog(Frame parent) {

        super(parent);
        initDialog();

    }

    public JFontChooserDialog(Dialog parent) {

        super(parent);
        initDialog();

    }

    private void initDialog() {

        setModal(true);
        setTitle("Choose Font");

        Toolkit toolkit = Toolkit.getDefaultToolkit();
        fontNames = GraphicsEnvironment.getLocalGraphicsEnvironment().
            getAvailableFontFamilyNames();

        // Create the font list

        fontNameListModel = new DefaultListModel();

        for (int i = 0; i < fontNames.length; i++)
            fontNameListModel.addElement(fontNames[i]);

        // Create the style list

        fontStyleListModel = new DefaultListModel();

        for (int i = 0; i < fontStyles.length; i++)
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        fontStyleListModel.addElement(fontStyles[i]);

// Create the size list

fontSizeListModel = new DefaultListModel();

for (int i = 0; i < fontSizes.length; i++)
    fontSizeListModel.addElement(fontSizes[i]);

initComponents();
}

public Font getSelectedFont() {
    return selectedFont;
}

public void setSelectedFont(Font f) {

    selectedFont = f;

    resetDialogToSelectedFont();
}

/** This method is called from within the constructor to
 * initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is
 * always regenerated by the Form Editor.
 */
// <editor-fold defaultstate="collapsed" desc=" Generated Code ">///GEN-BEGIN:initComponents
private void initComponents() {
    buttonGroup1 = new javax.swing.ButtonGroup();
    buttonGroup2 = new javax.swing.ButtonGroup();
    fontStyleScrollPane = new javax.swing.JScrollPane();
    fontStyleList = new javax.swing.JList();
    fontNameScrollPane = new javax.swing.JScrollPane();
    fontNameList = new javax.swing.JList();
    fontSizeScrollPane = new javax.swing.JScrollPane();
    fontSizeList = new javax.swing.JList();
    fontNameLabel = new javax.swing.JLabel();
    fontStyleLabel = new javax.swing.JLabel();
    fontSizeLabel = new javax.swing.JLabel();
    spacer = new javax.swing.JLabel();
    textAttributesLabel = new javax.swing.JLabel();
    textAttributesLeftPanel = new javax.swing.JPanel();
    thinUnderlineRadioButton = new javax.swing.JRadioButton();
    thickUnderlineRadioButton = new javax.swing.JRadioButton();
    noUnderlineRadioButton = new javax.swing.JRadioButton();
    standardUnderlineRadioButton = new javax.swing.JRadioButton();
    textAttributesRightPanel = new javax.swing.JPanel();
    strikethroughCheckBox = new javax.swing.JCheckBox();
    subscriptRadioButton = new javax.swing.JRadioButton();
    superscriptRadioButton = new javax.swing.JRadioButton();
    noSubOrSuperRadioButton = new javax.swing.JRadioButton();
    sampleTextPanel = new javax.swing.JPanel();
    sampleTextLabel = new javax.swing.JLabel();
    okButton = new javax.swing.JButton();
    cancelButton = new javax.swing.JButton();
    fontNameTextField = new javax.swing.JTextField();
    fontStyleTextField = new javax.swing.JTextField();
    fontSizeTextField = new javax.swing.JTextField();
    textAttributesCenterPanel = new javax.swing.JPanel();
    dashedUnderlineRadioButton = new javax.swing.JRadioButton();
    dottedUnderlineRadioButton = new javax.swing.JRadioButton();
    grayUnderlineRadioButton = new javax.swing.JRadioButton();
    kerningCheckBox = new javax.swing.JCheckBox();

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
    fontStyleList.setModel(fontStyleListModel);
    fontStyleList.setSelectedIndex(0);
    fontStyleList.addListSelectionListener(new javax.swing.event.ListSelectionListener() {
        public void valueChanged(javax.swing.event.ListSelectionEvent evt) {
            fontStyleListValueChanged(evt);
        }
    });
}

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    }
});

fontStyleScrollPane.setViewportViewView(fontStyleList);

fontNameList.setModel(fontNameListModel);
fontNameList.setSelectedIndex(0);
fontNameList.addListSelectionListener(new javax.swing.event.ListSelectionListener() {
    public void valueChanged(javax.swing.event.ListSelectionEvent evt) {
        fontNameListValueChanged(evt);
    }
});

fontNameScrollPane.setViewportViewView(fontNameList);

fontSizeList.setModel(fontSizeListModel);
fontSizeList.setSelectedIndex(0);
fontSizeList.addListSelectionListener(new javax.swing.event.ListSelectionListener() {
    public void valueChanged(javax.swing.event.ListSelectionEvent evt) {
        fontSizeListValueChanged(evt);
    }
});

fontSizeScrollPane.setViewportViewView(fontSizeList);

fontNameLabel.setText("Font:");

fontStyleLabel.setText("Style:");

fontSizeLabel.setText("Size:");

spacer.setText(" ");

textAttributesLabel.setText("Text Attributes:");

buttonGroup1.add(thinUnderlineRadioButton);
thinUnderlineRadioButton.setText("Underline (Thin)");
thinUnderlineRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
thinUnderlineRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
thinUnderlineRadioButton.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        thinUnderlineRadioButtonActionPerformed(evt);
    }
});

buttonGroup1.add(thickUnderlineRadioButton);
thickUnderlineRadioButton.setText("Underline (Thick)");
thickUnderlineRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
thickUnderlineRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
thickUnderlineRadioButton.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        thickUnderlineRadioButtonActionPerformed(evt);
    }
});

buttonGroup1.add(noUnderlineRadioButton);
noUnderlineRadioButton.setSelected(true);
noUnderlineRadioButton.setText("No Underline");
noUnderlineRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
noUnderlineRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
noUnderlineRadioButton.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        noUnderlineRadioButtonActionPerformed(evt);
    }
});

buttonGroup1.add(standardUnderlineRadioButton);
standardUnderlineRadioButton.setText("Underline");
standardUnderlineRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));

standardUnderlineRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
standardUnderlineRadioButton.addActionListener(new java.awt.event.ActionListener() {

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        public void actionPerformed(java.awt.event.ActionEvent evt) {
            standardUnderlineRadioButtonActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout textAttributesLeftPanelLayout = new javax.swing.GroupLayout(
(textAttributesLeftPanel);
    textAttributesLeftPanel.setLayout(textAttributesLeftPanelLayout);
    textAttributesLeftPanelLayout.setHorizontalGroup(
        textAttributesLeftPanelLayout.createParallelGroup
(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(textAttributesLeftPanelLayout.createSequentialGroup()
                .addContainerGap()
                .addGroup(textAttributesLeftPanelLayout.createParallelGroup
(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(thinUnderlineRadioButton)
                    .addComponent(thickUnderlineRadioButton)
                    .addComponent(noUnderlineRadioButton)
                    .addComponent(standardUnderlineRadioButton))
                .addContainerGap(38, Short.MAX_VALUE))
            );
    textAttributesLeftPanelLayout.setVerticalGroup(
        textAttributesLeftPanelLayout.createParallelGroup
(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(textAttributesLeftPanelLayout.createSequentialGroup()
                .addGap(32, 32, 32)
                .addComponent(noUnderlineRadioButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(standardUnderlineRadioButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(thinUnderlineRadioButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(thickUnderlineRadioButton)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            );

    strikethroughCheckBox.setText("Strikethrough");
    strikethroughCheckBox.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
    strikethroughCheckBox.setMargin(new java.awt.Insets(0, 0, 0, 0));
    strikethroughCheckBox.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            strikethroughCheckBoxActionPerformed(evt);
        }
    });

    buttonGroup2.add(subscriptRadioButton);
    subscriptRadioButton.setText("Subscript");
    subscriptRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
    subscriptRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
    subscriptRadioButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            subscriptRadioButtonActionPerformed(evt);
        }
    });

    buttonGroup2.add(superscriptRadioButton);
    superscriptRadioButton.setText("Superscript");
    superscriptRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
    superscriptRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
    superscriptRadioButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            superscriptRadioButtonActionPerformed(evt);
        }
    });

    buttonGroup2.add(noSubOrSuperRadioButton);
    noSubOrSuperRadioButton.setSelected(true);
    noSubOrSuperRadioButton.setText("Normal");
    noSubOrSuperRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
    noSubOrSuperRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
    noSubOrSuperRadioButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {

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        noSubOrSuperRadioButtonActionPerformed(evt);
    }
});

    javax.swing.GroupLayout textAttributesRightPanelLayout = new javax.swing.GroupLayout
(textAttributesRightPanel);
    textAttributesRightPanel.setLayout(textAttributesRightPanelLayout);
    textAttributesRightPanelLayout.setHorizontalGroup(
        textAttributesRightPanelLayout.createParallelGroup
(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(textAttributesRightPanelLayout.createSequentialGroup()
                .addContainerGap()
                .addGroup(textAttributesRightPanelLayout.createParallelGroup
(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(strikethroughCheckBox)
                    .addComponent(subscriptRadioButton)
                    .addComponent(noSubOrSuperRadioButton)
                    .addComponent(superscriptRadioButton)
                    .addContainerGap(52, Short.MAX_VALUE))
            );
    textAttributesRightPanelLayout.setVerticalGroup(
        textAttributesRightPanelLayout.createParallelGroup
(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(textAttributesRightPanelLayout.createSequentialGroup()
                .addContainerGap()
                .addComponent(strikethroughCheckBox)
                .addGap(27, 27, 27)
                .addComponent(noSubOrSuperRadioButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(subscriptRadioButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(superscriptRadioButton)
                .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            );

    sampleTextPanel.setBorder(javax.swing.BorderFactory.createTitledBorder
(javax.swing.BorderFactory.createEtchedBorder(), "Preview"));
    sampleTextLabel.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    sampleTextLabel.setText("Sample Text");

    javax.swing.GroupLayout sampleTextPanelLayout = new javax.swing.GroupLayout(sampleTextPanel);
    sampleTextPanel.setLayout(sampleTextPanelLayout);
    sampleTextPanelLayout.setHorizontalGroup(
        sampleTextPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .add(sampleTextLabel, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 435, Short.MAX_VALUE)
    );
    sampleTextPanelLayout.setVerticalGroup(
        sampleTextPanelLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .add(sampleTextLabel, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 91, Short.MAX_VALUE)
    );

    okButton.setText("OK");
    okButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            okButtonActionPerformed(evt);
        }
    });

    cancelButton.setText("Cancel");
    cancelButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            cancelButtonActionPerformed(evt);
        }
    });

    fontNameTextField.setEditable(false);

    fontStyleTextField.setEditable(false);

    fontSizeTextField.addActionListener(new java.awt.event.ActionListener() {

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        public void actionPerformed(java.awt.event.ActionEvent evt) {
            fontSizeTextFieldActionPerformed(evt);
        }
    });

    buttonGroup1.add(dashedUnderlineRadioButton);
    dashedUnderlineRadioButton.setText("Underline (Dashed)");
    dashedUnderlineRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
    dashedUnderlineRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
    dashedUnderlineRadioButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            dashedUnderlineRadioButtonActionPerformed(evt);
        }
    });

    buttonGroup1.add(dottedUnderlineRadioButton);
    dottedUnderlineRadioButton.setText("Underline (Dotted)");
    dottedUnderlineRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
    dottedUnderlineRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
    dottedUnderlineRadioButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            dottedUnderlineRadioButtonActionPerformed(evt);
        }
    });

    buttonGroup1.add(grayUnderlineRadioButton);
    grayUnderlineRadioButton.setText("Underline (Gray)");
    grayUnderlineRadioButton.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
    grayUnderlineRadioButton.setMargin(new java.awt.Insets(0, 0, 0, 0));
    grayUnderlineRadioButton.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            grayUnderlineRadioButtonActionPerformed(evt);
        }
    });

    kerningCheckBox.setText("Kerning");
    kerningCheckBox.setBorder(javax.swing.BorderFactory.createEmptyBorder(0, 0, 0, 0));
    kerningCheckBox.setMargin(new java.awt.Insets(0, 0, 0, 0));
    kerningCheckBox.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            kerningCheckBoxActionPerformed(evt);
        }
    });

    javax.swing.GroupLayout textAttributesCenterPanelLayout = new javax.swing.GroupLayout(
(textAttributesCenterPanel);
    textAttributesCenterPanel.setLayout(textAttributesCenterPanelLayout);
    textAttributesCenterPanelLayout.setHorizontalGroup(
        textAttributesCenterPanelLayout.createParallelGroup(
(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(textAttributesCenterPanelLayout.createSequentialGroup()
                .addContainerGap()
                .addGroup(textAttributesCenterPanelLayout.createParallelGroup(
(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(dashedUnderlineRadioButton)
                    .addComponent(dottedUnderlineRadioButton)
                    .addComponent(grayUnderlineRadioButton)
                    .addComponent(kerningCheckBox))
                .addContainerGap(26, Short.MAX_VALUE))
            );
    textAttributesCenterPanelLayout.setVerticalGroup(
        textAttributesCenterPanelLayout.createParallelGroup(
(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(textAttributesCenterPanelLayout.createSequentialGroup()
                .addContainerGap()
                .addComponent(kerningCheckBox)
                .addGap(25, 25, 25)
                .addComponent(dashedUnderlineRadioButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(dottedUnderlineRadioButton)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(grayUnderlineRadioButton)
            );

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        .addContainerGap(13, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(sampleTextPanel, javax.swing.GroupLayout.Alignment.LEADING,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(spacer, javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(textAttributesLabel, javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createParallelGroup()
                            .addComponent(cancelButton)
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                            .addComponent(okButton))
                        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()
                            .addGroup(layout.createParallelGroup()
                                .addComponent(textAttributesLeftPanel,
                                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                .addComponent(fontNameLabel, javax.swing.GroupLayout.Alignment.LEADING)
                                .addComponent(fontNameScrollPane,
                                    javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE, 145, Short.MAX_VALUE)
                                .addComponent(fontNameTextField,
                                    javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE, 145, Short.MAX_VALUE))
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                .addGroup(layout.createParallelGroup()
                                    .addGroup(layout.createParallelGroup()
                                        .addComponent(fontStyleTextField,
                                            javax.swing.GroupLayout.DEFAULT_SIZE, 145, Short.MAX_VALUE)
                                        .addComponent(fontStyleLabel)
                                        .addComponent(fontStyleScrollPane,
                                            javax.swing.GroupLayout.DEFAULT_SIZE, 145, Short.MAX_VALUE))
                                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                    .addGroup(layout.createParallelGroup()
                                        .addGroup(layout.createSequentialGroup()
                                            .addGroup(layout.createParallelGroup()
                                                .addComponent(fontSizeLabel)
                                                .addPreferredGap(
                                                    javax.swing.LayoutStyle.ComponentPlacement.RELATED, 122, Short.MAX_VALUE))
                                            .addComponent(fontSizeScrollPane,
                                                javax.swing.GroupLayout.DEFAULT_SIZE, 145, Short.MAX_VALUE)
                                            .addComponent(fontSizeTextField,
                                                javax.swing.GroupLayout.DEFAULT_SIZE, 145, Short.MAX_VALUE)))
                                        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                                            layout.createSequentialGroup()
                                                .addComponent(textAttributesCenterPanel,
                                                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                                                .addComponent(textAttributesRightPanel,
                                                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))))
                                .addContainerGap())
                            .addComponent(fontNameLabel)
                            .addComponent(fontStyleLabel)
                            .addComponent(fontSizeLabel))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(fontNameTextField, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(fontStyleTextField, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(fontSizeTextField, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(13, 13, Short.MAX_VALUE))
                .addContainerGap())
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGroup(layout.createParallelGroup()
                    .addGroup(layout.createParallelGroup()
                        .addContainerGap()
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(fontNameLabel)
                            .addComponent(fontStyleLabel)
                            .addComponent(fontSizeLabel))
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(fontNameTextField, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(fontStyleTextField, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(fontSizeTextField, javax.swing.GroupLayout.PREFERRED_SIZE,
                                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(13, 13, Short.MAX_VALUE))
                    .addContainerGap())
                .addContainerGap())
    );

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        .addComponent(fontSizeTextField, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addGroup(layout.createSequentialGroup())
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(fontStyleScrollPane, javax.swing.GroupLayout.PREFERRED_SIZE,
106, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(fontNameScrollPane, 0, 0, Short.MAX_VALUE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(spacer)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(textAttributesLabel))
        .addComponent(fontSizeScrollPane, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.PREFERRED_SIZE, 106, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(textAttributesCenterPanel, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(textAttributesRightPanel, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(textAttributesLeftPanel, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(sampleTextPanel, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(11, 11, 11)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(okButton)
            .addComponent(cancelButton))
        .addContainerGap()
    );
    pack();
} // </editor-fold> //GEN-END:initComponents

private void fontSizeTextFieldActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_fontSizeTextFieldActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_fontSizeTextFieldActionPerformed

private void grayUnderlineRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_grayUnderlineRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_grayUnderlineRadioButtonActionPerformed

private void dottedUnderlineRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_dottedUnderlineRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_dottedUnderlineRadioButtonActionPerformed

private void dashedUnderlineRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_dashedUnderlineRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_dashedUnderlineRadioButtonActionPerformed

private void standardUnderlineRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_standardUnderlineRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_standardUnderlineRadioButtonActionPerformed

private void noSubOrSuperRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_noSubOrSuperRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_noSubOrSuperRadioButtonActionPerformed

private void noUnderlineRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-

```



```
FIRST:event_noUnderlineRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_noUnderlineRadioButtonActionPerformed

private void cancelButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_cancelButtonActionPerformed
    selectedFont = null;
    setVisible(false);
} //GEN-LAST:event_cancelButtonActionPerformed

private void okButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_okButtonActionPerformed
    setVisible(false);
} //GEN-LAST:event_okButtonActionPerformed

private void superscriptRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_superscriptRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_superscriptRadioButtonActionPerformed

private void subscriptRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_subscriptRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_subscriptRadioButtonActionPerformed

private void strikethroughCheckBoxActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_strikethroughCheckBoxActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_strikethroughCheckBoxActionPerformed

private void thickUnderlineRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_thickUnderlineRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_thickUnderlineRadioButtonActionPerformed

private void thinUnderlineRadioButtonActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_thinUnderlineRadioButtonActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_thinUnderlineRadioButtonActionPerformed

private void kerningCheckBoxActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_kerningCheckBoxActionPerformed
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_kerningCheckBoxActionPerformed

private void fontSizeListValueChanged(javax.swing.event.ListSelectionEvent evt) { //GEN-
FIRST:event_fontSizeListValueChanged
    fontSizeTextField.setText(fontSizeList.getSelectedValue().toString());
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_fontSizeListValueChanged

private void fontStyleListValueChanged(javax.swing.event.ListSelectionEvent evt) { //GEN-
FIRST:event_fontStyleListValueChanged
    fontStyleTextField.setText(fontStyleList.getSelectedValue().toString());
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_fontStyleListValueChanged

private void fontNameListValueChanged(javax.swing.event.ListSelectionEvent evt) { //GEN-
FIRST:event_fontNameListValueChanged
    fontNameTextField.setText(fontNameList.getSelectedValue().toString());
    selectedFont = createFontFromDialog();
    sampleTextLabel.setFont(selectedFont);
} //GEN-LAST:event_fontNameListValueChanged
```

```
private void resetDialogToSelectedFont() {

    String family = selectedFont.getFamily();

    String size = ""+selectedFont.getSize();
    if (!fontSizeListModel.contains(size))
        fontSizeListModel.addElement(size);

    int style = 0;
    if (selectedFont.isBold())
        style += 1;
    if (selectedFont.isItalic())
        style += 2;

    Map<TextAttribute, ?> map = selectedFont.getAttributes();

    // Now reset everything

    if (TextAttribute.KERNING_ON.equals(map.get(TextAttribute.KERNING))) {
        kerningCheckBox.setSelected(true);
    }

    if (TextAttribute.STRIKETHROUGH_ON.equals(map.get(TextAttribute.STRIKETHROUGH))) {
        strikethroughCheckBox.setSelected(true);
    }

    if (TextAttribute.SUPERSCRRIPT_SUB.equals(map.get(TextAttribute.SUPERSCRRIPT))) {
        subscriptRadioButton.setSelected(true);
    } else if (TextAttribute.SUPERSCRRIPT_SUPER.equals(map.get(TextAttribute.SUPERSCRRIPT))) {
        superscriptRadioButton.setSelected(true);
    } else {
        noSubOrSuperRadioButton.setSelected(true);
    }

    if (TextAttribute.UNDERLINE_LOW_ONE_PIXEL.equals(map.get(TextAttribute.UNDERLINE))) {
        thinUnderlineRadioButton.setSelected(true);
    } else if (TextAttribute.UNDERLINE_LOW_TWO_PIXEL.equals(map.get(TextAttribute.UNDERLINE))) {
        thickUnderlineRadioButton.setSelected(true);
    } else if (TextAttribute.UNDERLINE_ON.equals(map.get(TextAttribute.UNDERLINE))) {
        standardUnderlineRadioButton.setSelected(true);
    } else if (TextAttribute.UNDERLINE_LOW_DASHED.equals(map.get(TextAttribute.UNDERLINE))) {
        dashedUnderlineRadioButton.setSelected(true);
    } else if (TextAttribute.UNDERLINE_LOW_DOTTED.equals(map.get(TextAttribute.UNDERLINE))) {
        dottedUnderlineRadioButton.setSelected(true);
    } else if (TextAttribute.UNDERLINE_LOW_GRAY.equals(map.get(TextAttribute.UNDERLINE))) {
        grayUnderlineRadioButton.setSelected(true);
    } else {
        noUnderlineRadioButton.setSelected(true);
    }

    fontNameList.setSelectedValue(family, true);
    fontStyleList.setSelectedIndex(style);
    fontSizeList.setSelectedValue(size, true);
}

private Font createFontFromDialog() {

    String fontFamilyName = (String)fontNameList.getSelectedValue();
    int fontStyle = fontStyleList.getSelectedIndex();
    int fontSize = Integer.parseInt((String)fontSizeList.getSelectedValue());

    String fontSizeText = fontSizeTextField.getText();
    if (!fontSizeText.equals(""))
        fontSize = Integer.parseInt(fontSizeText);

    Map<TextAttribute, Object> map = new Hashtable<TextAttribute, Object>();

    if (kerningCheckBox.isSelected())
        map.put(TextAttribute.KERNING, TextAttribute.KERNING_ON);
```

```

    if (standardUnderlineRadioButton.isSelected())
        map.put(TextAttribute.UNDERLINE, TextAttribute.UNDERLINE_ON);
    if (thinUnderlineRadioButton.isSelected())
        map.put(TextAttribute.UNDERLINE, TextAttribute.UNDERLINE_LOW_ONE_PIXEL);
    if (thickUnderlineRadioButton.isSelected())
        map.put(TextAttribute.UNDERLINE, TextAttribute.UNDERLINE_LOW_TWO_PIXEL);
    if (dashedUnderlineRadioButton.isSelected())
        map.put(TextAttribute.UNDERLINE, TextAttribute.UNDERLINE_LOW_DASHED);
    if (dottedUnderlineRadioButton.isSelected())
        map.put(TextAttribute.UNDERLINE, TextAttribute.UNDERLINE_LOW_DOTTED);
    if (grayUnderlineRadioButton.isSelected())
        map.put(TextAttribute.UNDERLINE, TextAttribute.UNDERLINE_LOW_GRAY);

    if (superscriptRadioButton.isSelected())
        map.put(TextAttribute.SUPERScript, TextAttribute.SUPERScript_SUPER);
    if (subscriptRadioButton.isSelected())
        map.put(TextAttribute.SUPERScript, TextAttribute.SUPERScript_SUB);

    if (strikethroughCheckBox.isSelected())
        map.put(TextAttribute.STRIKETHROUGH, TextAttribute.STRIKETHROUGH_ON);

    Font newFont = new Font(fontFamilyName, fontStyle, fontSize);
    newFont = newFont.deriveFont(map);

    return newFont;
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new JFontChooserDialog((Frame)null).setVisible(true);
        }
    });
}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.ButtonGroup buttonGroup2;
private javax.swing.JButton cancelButton;
private javax.swing.JRadioButton dashedUnderlineRadioButton;
private javax.swing.JRadioButton dottedUnderlineRadioButton;
private javax.swing.JLabel fontNameLabel;
private javax.swing.JList fontNameList;
private javax.swing.JScrollPane fontNameScrollPane;
private javax.swing.JTextField fontNameTextField;
private javax.swing.JLabel fontSizeLabel;
private javax.swing.JList fontSizeList;
private javax.swing.JScrollPane fontSizeScrollPane;
private javax.swing.JTextField fontSizeTextField;
private javax.swing.JLabel fontStyleLabel;
private javax.swing.JList fontStyleList;
private javax.swing.JScrollPane fontStyleScrollPane;
private javax.swing.JTextField fontStyleTextField;
private javax.swing.JRadioButton grayUnderlineRadioButton;
private javax.swing.JCheckBox kerningCheckBox;
private javax.swing.JRadioButton noSubOrSuperRadioButton;
private javax.swing.JRadioButton noUnderlineRadioButton;
private javax.swing.JButton okButton;
private javax.swing.JLabel sampleTextLabel;
private javax.swing.JPanel sampleTextPanel;
private javax.swing.JLabel spacer;
private javax.swing.JRadioButton standardUnderlineRadioButton;
private javax.swing.JCheckBox strikethroughCheckBox;
private javax.swing.JRadioButton subscriptRadioButton;
private javax.swing.JRadioButton superscriptRadioButton;
private javax.swing.JPanel textAttributesCenterPanel;
private javax.swing.JLabel textAttributesLabel;
private javax.swing.JPanel textAttributesLeftPanel;

```

```
private javax.swing.JPanel textAttributesRightPanel;  
private javax.swing.JRadioButton thickUnderlineRadioButton;  
private javax.swing.JRadioButton thinUnderlineRadioButton;  
// End of variables declaration//GEN-END:variables
```

```
}
```