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/*
 * To change this template, choose Tools | Templates
 * and open the template in the editor.
 */

/*
 * NewJFrame.java
 *
 * Created on Apr 17, 2011, 1:13:13 PM
 */

/**
 *
 * @author Kelli
 */
import java.io.*;

public class NewJFrame extends javax.swing.JFrame {

    static String srcDir = "file:wpblogs\\";

    String Titles2Blogs[] = new String [100]; // Array allows for 100 blog
    titles per Term; string allows direct use of filename
    static BufferedReader inBread = new BufferedReader (new
    InputStreamReader(System.in));

    /** Creates new form NewJFrame */
    public NewJFrame() {
        initComponents();
        initBlogSearch(); //initializes Index List box
    }

    public void initBlogSearch() {
        readFromIndexFile("index_terms.txt"); //puts all elements from Index
        Terms into the Index List
    } //END initBlogSearch{}

    /** 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.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated
Code"> //GEN-BEGIN: initComponents
    private void initComponents() {

        buttonGroup1 = new javax.swing.ButtonGroup();
        buttonGroup2 = new javax.swing.ButtonGroup();
        jScrollPane1 = new javax.swing.JScrollPane();
        ShowBlog_textPane = new javax.swing.JTextPane();

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Index_Listbox = new java.awt.List();
Title_Listbox = new java.awt.List();
IndexSelect_button = new javax.swing.JButton();
TitleSelect_button = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("Kelli's Metadata WordPress Blog Search");

ShowBlog_textPane.setBorder(javax.swing.BorderFactory.createTitledBorder(
null, "Blog", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Kalinga", 1, 14), new java.awt.Color(0, 0, 204))); //
NOI18N
ShowBlog_textPane.setToolTipText("Full text of the desired blog
will show here.");
jScrollPane1.setViewportViewView(ShowBlog_textPane);

Index_Listbox.setCursor(new
java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
Index_Listbox.setFont(new java.awt.Font("Kalinga", 0, 18)); //
NOI18N
Index_Listbox.setForeground(new java.awt.Color(0, 51, 153));
Index_Listbox.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt)
    {
        Index_ListboxActionPerformed(evt);
    }
});

Title_Listbox.setFont(new java.awt.Font("Kalinga", 0, 18)); //
NOI18N
Title_Listbox.setForeground(new java.awt.Color(0, 0, 102));
Title_Listbox.addActionListener(new
java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt)
    {
        Title_ListboxActionPerformed(evt);
    }
});

IndexSelect_button.setFont(new java.awt.Font("Kalinga", 0, 14));
IndexSelect_button.setText("1. Select Search Term to See
Titles");
IndexSelect_button.setActionCommand("1. Select Search Term to See
Titles");
IndexSelect_button.setAutoscrolls(true);

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IndexSelect_button.setBorder(javax.swing.BorderFactory.createEtchedBorder());

    IndexSelect_button.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            IndexSelect_buttonActionPerformed(evt);
        }
    });

    TitleSelect_button.setFont(new java.awt.Font("Kalinga", 0, 14));
    TitleSelect_button.setText("2. Select Title to See Full Blog");

TitleSelect_button.setBorder(javax.swing.BorderFactory.createEtchedBorder(new java.awt.Color(153, 153, 255), null));
    TitleSelect_button.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            TitleSelect_buttonActionPerformed(evt);
        }
    });

    jLabel1.setFont(new java.awt.Font("Kalinga", 0, 14)); // NOI18N
    jLabel1.setText("Indexing Search Terms:");
    jLabel1.setToolTipText("Highlight desired term and double-click or hit \"1\" button.");

    jLabel2.setFont(new java.awt.Font("Kalinga", 0, 14)); // NOI18N
    jLabel2.setText("Blog Titles (for the search term selected above):");
    jLabel2.setToolTipText("Highlight desired title and double-click or hit \"2\" button.");

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .add(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(IndexSelect_button, javax.swing.GroupLayout.PREFERRED_SIZE, 213, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
                .add(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(layout.createSequentialGroup()
                        .add(Component1, javax.swing.GroupLayout.PREFERRED_SIZE, 213, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .add(Component2, javax.swing.GroupLayout.PREFERRED_SIZE, 213, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(layout.createSequentialGroup()
                        .add(Component3, javax.swing.GroupLayout.PREFERRED_SIZE, 213, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .add(Component4, javax.swing.GroupLayout.PREFERRED_SIZE, 213, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap())
    );
}
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javax.swing.GroupLayout.PREFERRED_SIZE, 333,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(29, 29, 29))
        .addGroup(layout.createSequentialGroup())
        .addComponent(IndexSelect_button,
javax.swing.GroupLayout.PREFERRED_SIZE, 258,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(104, 104, 104))
        .addGroup(layout.createSequentialGroup())

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING)
        .addComponent(jLabel1,
javax.swing.GroupLayout.DEFAULT_SIZE, 317, Short.MAX_VALUE)
        .addGroup(layout.createSequentialGroup())
        .addComponent(Index_Listbox,
javax.swing.GroupLayout.PREFERRED_SIZE, 162,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(101, 101, 101)))
        .addGap(103, 103, 103)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 382,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
);
layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment
.LEADING, false)
        .addGroup(layout.createSequentialGroup())
        .addGap(33, 33, 33)
        .addComponent(Index_Listbox,
javax.swing.GroupLayout.PREFERRED_SIZE, 147,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(25, 25, 25)
        .addComponent(IndexSelect_button,
javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(11, 11, 11)
        .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent>Title_Listbox,
javax.swing.GroupLayout.PREFERRED_SIZE, 269,
javax.swing.GroupLayout.PREFERRED_SIZE)

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.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(TitleSelect_button,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addGroup(layout.createSequentialGroup())
    .addComponent(jLabel1)
    .addGap(18, 18, 18)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 585,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );

    pack();
} // </editor-fold> // GEN-END: initComponents
// makes clickable list of index terms
private void
Index_ListboxActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_Index_ListboxActionPerformed
    if (null != Index_Listbox.getSelectedItemAt()) // prevents Exception
    from showing in Title_Listbox: must have a list
        readFromTitleFile(Index_Listbox.getSelectedItemAt()); // calls
    method - passes in selected Index item

    // GEN-LAST: event_Index_ListboxActionPerformed
// makes clickable list of Blog Titles to retrieve selected blog
private void
Title_ListboxActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_Title_ListboxActionPerformed
    String filename = ""; // initialized filename
    try { // goes into wblogs folder and retrieves/displays the file
name
        filename = srcDir +
Titles2Blogs[Title_Listbox.getSelectedIndex()];
        ShowBlog_textPane.setPage(filename);
    }
    catch (Exception ex) {
        Title_Listbox.add("No File "+filename+" to read: \n
"+ex);
    }
    // GEN-LAST: event_Title_ListboxActionPerformed
// allows button to be used if user cannot double-click (accessibility
issues)
private void
IndexSelect_buttonActionPerformed(java.awt.event.ActionEvent evt)
{ // GEN-FIRST: event_IndexSelect_buttonActionPerformed
    Index_ListboxActionPerformed( evt);
    // GEN-LAST: event_IndexSelect_buttonActionPerformed
// allows button to be used if user cannot double-click (accessibility
issues)

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        private void
TitleSelect_buttonActionPerformed(java.awt.event.ActionEvent evt)
{
    //GEN-FIRST:event_TitleSelect_buttonActionPerformed
        if (null != Title_Listbox.getSelectedIndex())
            Title_ListboxActionPerformed( evt);
    //GEN-LAST:event_TitleSelect_buttonActionPerformed

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new JFrame().setVisible(true);
            }
        });
    }

}

}

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton IndexSelect_button;
private java.awt.List Index_Listbox;
private javax.swing.JTextPane ShowBlog_textPane;
private javax.swing.JButton TitleSelect_button;
private java.awt.List Title_Listbox;
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.ButtonGroup buttonGroup2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JScrollPane jScrollPane1;
// End of variables declaration//GEN-END:variables

// method to retrieve list of titles after choosing a desired index term
// add the index terms to the box upon running program;
public void readFromIndexFile(String filename) {

    try {
        File myFile = new File( filename );
        FileReader fileReader = new FileReader( myFile );
        //Construct the BufferedReader object
        BufferedReader reader = new BufferedReader( fileReader);
        boolean done = false;
        String parts = ""; //parts are the index terms from index_terms.txt
        while( !done ) //reads while there are still "things" to be read
        {
            // Read Line
            parts = reader.readLine();
            if ( null == parts )
                done = true;
            else

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        Index_Listbox.add(parts);
    }    // end while
    reader.close();
} //END try
catch (Exception ex) {
    Title_Listbox.add("No File '"+filename+"' to read: \n    "+ex);
} //END catch
}    //  END ReadFromIndexFile()

//method to retrieve blog text from title list
public void readFromTitleFile(String filename) { //passed-in index term

    try {
        filename += "_Titles.txt"; //files are set up as
IndexTerm'X'_Titles.txt: this builds the .txt file to look in (ex:
XML_Title.txt)
        File myFile = new File(filename);
        int ii =0;
        FileReader fileReader = new FileReader( myFile );
        BufferedReader reader = new BufferedReader( fileReader);
        boolean done = false;
        String titleName = "";
        Title_Listbox.removeAll(); //makes sure Title_List box is cleared
for new set of titles
        while( !done) { //while we are at 100 blogs or less
            titleName = reader.readLine(); //gets blog Title - this is
what's clickable in Title_Listbox
            if ( null == titleName )
                done = true;
            else {
                Titles2Blogs[ii] = reader.readLine(); //creates item in
array of .htm blog files associated with the index term
                if ( null == Titles2Blogs[ii] )
                    done = true;
                else {
                    Title_Listbox.add(titleName); //gets
'searchterm_Title.txt' name --> searches THAT .txt file for all blog titles
(ex:wp0Fears.htm)
                    ii++;
                    if (ii >= Titles2Blogs.length) //we stop at 100 blogs
[array size]
                        done = true;
                }
            }
        }    // end while
        reader.close();
    } //END try
    catch (Exception ex) {
        Title_Listbox.add("No File '"+filename+"' to Read Prior
information:\n    "+ex);
    } //END catch
}    //  END ReadFromTitleFile()

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```
//END public class NewJFrame
```