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1  /*-----*/
2  * Author:      Dan Cassidy
3  * Date:        2015-07-20
4  * Assignment:  HW4-3
5  * Source File: BlankTrimmerController.java
6  * Language:    Java
7  * Course:      CSCI-C 490, Android Programming, MoWe 08:00
8  -----*/
9  import java.awt.event.*;
10 import java.io.IOException;
11 import java.nio.file.*;
12
13 import javax.swing.JOptionPane;
14
15 /**
16  * Controller for the Blank Trimmer program.
17  *
18  * @author Dan Cassidy
19  */
20 public class BlankTrimmerController
21 {
22     BlankTrimmerView theView = new BlankTrimmerView();
23
24     /**
25      * No-parameter constructor.
26      */
27     public BlankTrimmerController()
28     {
29         // Add action listener to the trim button in the view.
30         theView.addTrimButtonActionListener(new ActionListener()
31         {
32             public void actionPerformed(ActionEvent event)
33             {
34                 String message = "";
35                 int messageType = 0;
36
37                 try
38                 {
39                     // Try to trim the file.
40                     BlankTrimmer.trim(theView.getFilePath());
41                     message = "Blanks trimmed successfully.";
42                     messageType = JOptionPane.INFORMATION_MESSAGE;
43                 }
44                 catch (InvalidPathException ex)
45                 {
46                     // Path couldn't be parsed. Not a valid path or a bad character or something.
47                     message = "Invalid file path.\n" + ex.getReason();
48                     messageType = JOptionPane.ERROR_MESSAGE;
49                 }
50                 catch (NoSuchFileException ex)
51                 {
52                     // File couldn't be found.
53                     message = "File does not exist.";
54                     messageType = JOptionPane.ERROR_MESSAGE;
55                 }
56                 catch (SecurityException ex)
57                 {
58                     // A file couldn't be read or couldn't be written to.
59                     message = "Access denied.\n" + ex.getMessage();
60                     messageType = JOptionPane.ERROR_MESSAGE;
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61         }
62         catch (IOException ex)
63         {
64             // Generic I/O exception.
65             message = "I/O exception:\n" + ex.getMessage();
66             messageType = JOptionPane.ERROR_MESSAGE;
67         }
68         catch (Exception ex)
69         {
70             // Some other exception that wasn't explicitly planned for.
71             message = "Unknown error:\n" + ex.getMessage();
72             messageType = JOptionPane.ERROR_MESSAGE;
73             ex.printStackTrace();
74         }
75         finally
76         {
77             // Always display a message as to how the operation went.
78             theView.showMessage(message, messageType);
79         }
80     }
81     });
82 }
83
84 /**
85  * Show the view.
86  */
87 public void showView()
88 {
89     theView.setVisible(true);
90 }
91 }
92
```