

# SaveListener.java

```

1 package tellscopeV4;
2
3 /* import libraries */
4 import java.awt.event.ActionEvent;
5
6
7 public class SaveListener implements ActionListener {
8
9
10
11     public void actionPerformed(ActionEvent e) { //use action performed method
12
13         String s; //create string to store filename
14
15         s = JOptionPane.showInputDialog("Enter a filename"); //create input dialog box to prompt
16         user for filename //and store input to string s
17         /* validate filename */
18         if(s.matches(".*[./#',].*")) //if filename only contains valid
19             characters or numbers
20             {
21                 JOptionPane.showMessageDialog(TellScopeGui04.txtFocalInput, //create a new message dialog box
22                     "Filename contains invalid characters!\n"
23                     + "Only characters and numeric values are permitted!", //print message to user
24                     "Invalid Filename", //set title of dialog box
25                     JOptionPane.ERROR_MESSAGE); //set box type to error
26             }
27         else //else if filename contains invalid
28             characters
29             {
30                 TellScopeGui04.storeResults(s); //call storeResults() method to save
31                 the results set
32             }
33         } //end action performed
34     } //end SaveListener()
35 }
36

```