

## TextVerifier.java

```
1 package project;
2
3 import java.awt.Color;
11
12 /* This is used to validate the Input Field for Non empty String */
13 public class TextVerifier extends InputVerifier {
14     Border originalBorder=null;
15     @Override
16     public boolean verify(JComponent input) {
17         String text=null;
18         if (input instanceof JTextField ){
19             text=((JTextField)input).getText().trim();
20             if (text==null || text.equals(""))
21                 return false;
22         }
23         return true;
24     }
25
26     /* This will be used to check the validation by the above method and then
27     * displaying popup message for the user and if validation fails , this should
put
28     * red rectangle around the input field*/
29     @Override
30     public boolean shouldYieldFocus(JComponent input) {
31         originalBorder=(originalBorder==null)?input.getBorder():originalBorder;
32         boolean valid=verify(input);
33         if (!valid){
34             JOptionPane.showMessageDialog(null, "Invalid data!! text cannot be
blank");
35             Border border=BorderFactory.createLineBorder(Color.red);
36             Border emptyBorder=new EmptyBorder(5, 5, 5, 0);
37             Border compoundBorder=BorderFactory.createCompoundBorder(border,
emptyBorder);
38             input.setBorder(compoundBorder);
39             //input.setBorder(new CustomBorder(1, Color.RED));
40         }
41         else {
42             if (input.getClass()==JTextField.class){
43                 input.setBorder(originalBorder);
44             }
45             else input.setBorder(((RoundedTextField)
input).getOriginalBorder());
46         }
47         return valid;
48     }
49
50 }
51
```