

GenericForm.java

```
1 package project;
2
3 import java.awt.GridBagConstraints;
16
17 /* This is the class represent a Generic Form without any Components pre
   populated.
18 * rather components will be added using a FormConfiguration Objects which
19 * hold the data to define the form. That is , it hold the data of the
   JTextField, JLabel,
20 * JButton (JComponent) etc */
21 public class GenericForm extends JPanel implements ActionListener {
22
23     private static final long serialVersionUID = 1L;
24     private int totalFields;
25     /*This variable hold the reference to List of JComponents where the component
   is editable in the
26     * visual form */
27     private List<JComponent> fieldList;
28     /*This variable hold the reference to List of JComponents where the component
   is used as Labels
29     * in the visual form */
30     private List<JComponent> messageList;
31     private List<JComponent> labelList;
32     /* This variable hold the reference to all the form related data */
33     private FormConfiguration formConfigurator;
34     /*Store all the Event Listener related to the FormSaveEvent */
35     private EventListenerList listenersList=new EventListenerList();
36
37     public GenericForm(){
42
43     public GenericForm(FormConfiguration formConfigurator){
49
50     /*This will use the data from the FormConfiguraton object and construct the
   form by adding the
51     * appropriate components from the data */
52     public void renderForm(FormConfiguration formConfigurator){
172
173     /***** Getters and Setters *****/
174     public List<JComponent> getLabelList() {
177
178     public void setLabelList(List<JComponent> labelList) {
181
182     public List<JComponent> getMessageList() {
185
186     public void setMessageList(List<JComponent> messageList) {
189
190     public JComponent getFieldComponent(int index){
193
194     public FormConfiguration getFormConfigurator(){
197
198     public void setConfigurator(FormConfiguration formConfigurator){
201     /***** End Of Getters and Setters *****/
202
203     /* This method provide the ability to other Objects(FormSaveEvent aware) to
   add their Listeners with
```

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```
204     * this object*/
205     public void addFormSaveListener(FormSaveListener listener){
208
209     /* This method provide the ability to other Objects(FormSaveEvent aware) to
remove their Listeners from
210     * this object*/
211     public void removeFormSaveListener(FormSaveListener listener){
214
215     /*This is the method being called when FormSaveEvent is fired on this
object*/
216     public void fireFormSaveEvent(FormSaveEvent event){
225
226     /* This method extract the data from the formDataObject and bind to the
respective
227     * input fields in the form . This delegate the bind task to the underlying
formConfigurator obect*/
228     public void bind(Object formDataObject){
231
232     /*This method is being called when the form layout is changed */
233     public void reRender(FormConfiguration formConfiguration){
240
241     /* This is the method is being called when the button is clicked
242     * The action has been delegated to formconfiguration object to handle it
outside the form*/
244     public void actionPerformed(ActionEvent e) {
250 }
251
```