

## View.java

```
1 package project;
2
3 import java.awt.BorderLayout;
14
15 /* This represents the Main User Interface, This contains Two Higher level Frames,
    Main Frame and AuthFrame
16 * Main Frame contains SearchPane,NavigationPane,FooterPane,ContentPane.
17 * This contains references to the FormFactory(create forms) and UIController
    (where all the user
18 * interactions are processed) */
19 public class View {
20
21     JFrame mainFrame;           //Main Frame of the User Interface
22     JPanel mainPane;           //Main Panel constitutes the Main Frame
23     AuthFrame authFrame;       //Authentication frame displays the Logon
    window
24     SearchPane searchPane;     //Search Pane which contains the search
    formn
25     NavigationPane navPane;    //Navigation Pane of the User Interface
26     ContentPane contentPane;  // Main Content Pane of the User Interface
27     FooterPane footerPane;    // Footer Pane of the User Interface
28     Map<String,GenericForm> forms; // Form to be Embedded in the Content Pane
29     UIController controller;  // Controller to handle all the user
    interactions
30     FormFactory formFactory;   // Form Factory which create all the forms
31     Container c;              // Top Container of the Main Frame
32
33     public View(){
34
35
36     /* Getters and Setters of the Main Variables */
37     public ContentPane getContentPane() {
38
39
40
41     public void setContentPane(ContentPane contentPane) {
42
43
44
45     public NavigationPane getNavPane() {
46
47
48     public void setNavPane(NavigationPane navPane) {
49
50
51
52     public SearchPane getSearchPane() {
53
54
55     public void setSearchPane(SearchPane searchPane) {
56
57
58
59     public JPanel getMainPane() {
60
61
62     public void setMainPane(JPanel mainPane) {
63
64
65
66     public JFrame getMainFrame() {
67
68
69     public void setMainFrame(JFrame mainFrame) {
70
71
72
73     public FooterPane getFooterPane() {
74
75
76
77     public void setFooterPane(FooterPane footerPane) {
78
79
80
81     public AuthFrame getAuthFrame(){
82
83
84
85
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```

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```
98
99  public Map<String, GenericForm> getForms() {
102
103  public void setForms(Map<String, GenericForm> forms) {
106  /* End of Getters and Setters */
107
108  /* Render the Authentication Frame or Window */
109  public void renderAuthFrame(){
112
113  /* Render the Navigation Pane*/
114  public void renderNavPane(String acl){
117
118  /* Render the Footer Pane*/
119  public void renderFooterPane(String acl){
122
123  /* Render the Search Pane*/
124  public void renderSearchPane(String acl){
127
128  /* Render the Content Pane*/
129  public void renderContentPane(String acl){
132
133  /* Render the Main Frame which is the Main User Interface */
134  public void renderMainFrame(String acl){
160
161  /* This will be called whenever forms properties are going to be changed in
the external text file
162  * where the form properties are stored. This will dynamically update the form
interface with the
163  * changes of the external file*/
164  public void refreshForms(String acl){
177
178
179 }
180
```