

```

Loading vc-cvs...
1 package caltool.options_ui;
2
3 import caltool.options.*;
4 import javax.swing.*;
5 import java.awt.*;
6 import java.awt.event.*;
7 import mvp.*;
8
9 /**
10 *
11 * Class OptionsMenu is the pulldown menu view of the <a href = "Options.html"
12 * Options </a> model class. The OptionsMenu widget is a Java JMenu.
13 * Anonymous instances of JMenuItem are defined for each item in the menu.
14 *
15 */
16 public class OptionsMenu extends mvp.View {
17
18     /**
19      * Construct this with the given Options model.
20      */
21     public OptionsMenu(Screen screen, Options options, OptionsUI optionsUI) {
22         super(screen, options);
23         this.optionsUI = optionsUI;
24     }
25
26     /**
27      * Compose this by inserting each of its three menu items into the pulldown
28      * menu. The items are Times and Dates, Scheduling, Viewing, and
29      * Administrative.
30      */
31     public Component compose() {
32
33         /*
34          * Make the widget of this the JMenu.
35          */
36         widget = new JMenu("Options");
37
38         /*
39          * Create a constant reference to the Options model for use in the
40          * menu item action listeners. This is necessary due to the subtle
41          * rules of anonymous inner classes in Java.
42          */
43         final Options options = (Options) model;
44
45         /*
46          * Create the menu items using the following pattern:
47          * <pre>
48          *     JMenu.addItem("<em>Item name</em>").addActionListener(
49          *         new ActionListener() {
50          *             public void actionPerformed(ActionEvent e) {
51          *                 <em>Model.method()</em>
52          *             }
53          *     }
54          * </pre>
55
56         /*
57          * Add the 'Times and Dates' menu item.
58          */
59         ((JMenu) widget).add(new JMenuItem("Times and Dates ...")).addActionListener(
60             new ActionListener() {
61                 public void actionPerformed(ActionEvent e) {
62                     optionsUI.show();
63                     optionsUI.selectTab("Times and Dates");
64                     System.out.println("In Options.timesAndDates.");
65                 }
66             });
67
68         /*
69          * add the 'Fonts ...' menu item.());
70          */
71         ((JMenu) widget).add(new JMenuItem("Fonts ...")).addActionListener(
72             new ActionListener() {
73                 public void actionPerformed(ActionEvent e) {
74                     optionsUI.show();
75                     optionsUI.selectTab("Fonts");
76                     System.out.println("In Options.viewing.");
77                 }
78             });
79
80         /*
81          * Add the 'Scheduling ...' menu item.();
82          */
83         ((JMenu) widget).add(new JMenuItem("Scheduling ...")).addActionListener(
84             new ActionListener() {
85                 public void actionPerformed(ActionEvent e) {
86                     optionsUI.show();
87                     optionsUI.selectTab("Scheduling");
88                     System.out.println("In Options.scheduling.");
89                 }
90             });
91
92         /*
93          * add the 'Viewing ...' menu item.());
94          */
95         ((JMenu) widget).add(new JMenuItem("Viewing ...")).addActionListener(
96             new ActionListener() {
97                 public void actionPerformed(ActionEvent e) {
98                     optionsUI.show();
99                     optionsUI.selectTab("Viewing");
100                    System.out.println("In Options.viewing.");
101                }
102            });
103
104         /*
105          * add the 'Administrative ...' menu item.());
106          */
107         ((JMenu) widget).add(new JMenuItem("Administrative ...")).addActionListener(
108             new ActionListener() {
109                 public void actionPerformed(ActionEvent e) {
110                     optionsUI.show();
111                     optionsUI.selectTab("Administrative");
112                     System.out.println("In Options.administrative.");
113                 }
114             });
115
116     }
117
118 }

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```
112     new ActionListener() {
113         public void actionPerformed(ActionEvent e) {
114             optionsUI.show();
115             optionsUI.selectTab("Administrative");
116         //         System.out.println("In Options.administrative.");
117     }
118 }
119 );
120
121 /**
122 * Add a separator.
123 */
124 ((JMenu) widget).add(new JSeparator());
125
126 /**
127 * add the 'Global ...' menu item.);
128 */
129 ((JMenu) widget).add(new JMenuItem("Global ...")).addActionListener(
130     new ActionListener() {
131         public void actionPerformed(ActionEvent e) {
132             System.out.println("In OptionsMenu 'Global' listener.");
133         }
134     }
135 );
136
137 /**
138 * Add a separator.
139 */
140 ((JMenu) widget).add(new JSeparator());
141
142 /**
143 * add the 'Restore Defaults' menu item.);
144 */
145 ((JMenu) widget).add(new JMenuItem("Restore Defaults")).addActionListener(
146     new ActionListener() {
147         public void actionPerformed(ActionEvent e) {
148             System.out.println("In OptionsMenu 'Restore Defaults' listener.");
149         }
150     }
151 );
152
153     return widget;
154 }
155
156 /** Parent view */
157 protected OptionsUI optionsUI;
158
159 }
```