

```

Loading vc-cvs...
 1 package caltool.options_ui;
 2
 3 import caltool.options.*;
 4 import.mvp.*;
 5 import javax.swing.*;
 6 import java.awt.*;
 7
 8 public class TimesAndDatesOptionsPanel extends View {
 9
10     public TimesAndDatesOptionsPanel(Screen screen, Options options) {
11         super(screen, options);
12         maxTextFieldHeight = 1.9;
13     }
14
15     public Component compose() {
16
17         /*
18          * Make this' widget a vertically laid out JPanel.
19          */
20         JPanel panel = new JPanel();
21         panel.setLayout(new BorderLayout(panel, BorderLayout.Y_AXIS));
22
23         panel.add(composeTimeFormat());
24         panel.add(composeDateDisplayFormat());
25         panel.add(composeDateInputFormat());
26
27         return (widget = panel);
28     }
29
30     protected Component composeTimeFormat() {
31         Box hbox = Box.createHorizontalBox();
32
33         hbox.add(Box.createHorizontalStrut(10));
34         JLabel label = new JLabel("Time Format: ");
35         label.setAlignmentY(Component.BOTTOM_ALIGNMENT);
36
37         hbox.add(label);
38         hbox.add(Box.createHorizontalStrut(30));
39         hbox.add(composeClockButtons());
40         hbox.add(Box.createHorizontalStrut(30));
41         hbox.add(composeAMPMCheckBoxes());
42         hbox.add(Box.createHorizontalStrut(30));
43         hbox.add(composeAMPMPrefix());
44         hbox.add(Box.createHorizontalStrut(10));
45
46         return hbox;
47     }
48
49     protected Component composeClockButtons() {
50         Box vbox = Box.createVerticalBox();
51         JRadioButton twelveHour = new JRadioButton("12-hour clock");
52         JRadioButton twentyFourHour = new JRadioButton("24-hour clock");
53         ButtonGroup group= new ButtonGroup();
54
55         group.add(twelveHour);
56
57         group.add(twentyFourHour);
58         twelveHour.setSelected(true);
59         vbox.add(twelveHour);
60         vbox.add(twentyFourHour);
61
62         return vbox;
63     }
64
65     protected Component composeAMPMCheckBoxes() {
66         Box vbox = Box.createVerticalBox();
67         JCheckBox showAM = new JCheckBox("Show AM");
68         JCheckBox showPM = new JCheckBox("Show PM");
69
70         showAM.setSelected(true);
71         showPM.setSelected(true);
72         vbox.add(showAM);
73         vbox.add(showPM);
74
75         return vbox;
76     }
77
78     protected Component composeAMPMPrefix() {
79         Box hbox = Box.createHorizontalBox();
80         JLabel label = new JLabel("AM/PM Prefix: ");
81         JTextField prefix = new JTextField(3);
82
83         label.setAlignmentY(Component.BOTTOM_ALIGNMENT);
84         prefix.setAlignmentY(Component.BOTTOM_ALIGNMENT);
85         prefix.setMaximumSize(
86             new Dimension(
87                 (int)(3 * prefix.getFont().getSize()),
88                 (int)(maxTextFieldHeight * prefix.getFont().getSize())));
89         prefix.setMinimumSize(
90             new Dimension(
91                 (int)(3 * prefix.getFont().getSize()),
92                 (int)(maxTextFieldHeight * prefix.getFont().getSize())));
93
94         // Next line must wait for 1.4.
95         // hbox.setAlignmentY(Component.BOTTOM_ALIGNMENT);
96         hbox.add(label);
97         hbox.add(prefix);
98
99         return hbox;
100     }
101
102     protected Component composeDateDisplayFormat() {
103         Box hbox = Box.createHorizontalBox();
104         JLabel label = new JLabel("Date Display Format: ");
105         Box comboVbox = Box.createVerticalBox();
106         Box separatorVbox = Box.createVerticalBox();
107         String[] selections = {
108             "day of week, full name",
109             "day of week, three characters",
110             "day of week, one or two characters",
111             "date number",

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112         "month, full name",
113         "month, short name",
114         "month number",
115         "year, four digits",
116         "year, two digits",
117     };
118     JComboBox dayCombo = new JComboBox(selections);
119     JComboBox dateCombo = new JComboBox(selections);
120     JComboBox monthCombo = new JComboBox(selections);
121     JComboBox yearCombo = new JComboBox(selections);
122
123     /*
124     dayCombo.addItem("day of week, full name");
125     dayCombo.addItem("day of week, three characters");
126     dayCombo.addItem("day of week, one or two characters");
127     dayCombo.addItem(new JSeparator());
128     dayCombo.addItem("date number");
129     dayCombo.addItem(new JSeparator());
130     dayCombo.addItem("month, full name");
131     dayCombo.addItem("month, short name");
132     dayCombo.addItem("month number");
133     dayCombo.addItem(new JSeparator());
134     dayCombo.addItem("year, four digits");
135     dayCombo.addItem("year, two digits");
136 */
137
138     label.setAlignmentY(Component.TOP_ALIGNMENT);
139     label.setAlignmentY(Component.LEFT_ALIGNMENT);
140     dayCombo.setAlignmentY(Component.BOTTOM_ALIGNMENT);
141     yearCombo.setAlignmentY(Component.TOP_ALIGNMENT);
142     dayCombo.setMaximumSize(
143         new Dimension(
144             (int)(34 * dayCombo.getFont().getSize()),
145             (int)(maxTextFieldHeight * dayCombo.getFont().getSize()));
146     dateCombo.setMaximumSize(
147         new Dimension(
148             (int)(34 * dayCombo.getFont().getSize()),
149             (int)(maxTextFieldHeight * dayCombo.getFont().getSize()));
150     monthCombo.setMaximumSize(
151         new Dimension(
152             (int)(34 * dayCombo.getFont().getSize()),
153             (int)(maxTextFieldHeight * dayCombo.getFont().getSize()));
154     yearCombo.setMaximumSize(
155         new Dimension(
156             (int)(34 * dayCombo.getFont().getSize()),
157             (int)(maxTextFieldHeight * dayCombo.getFont().getSize()));
158
159     dayCombo.setSelectedItem("day of week, full name");
160     dateCombo.setSelectedItem("date number");
161     monthCombo.setSelectedItem("month, full name");
162     yearCombo.setSelectedItem("year, four digits");
163
164     comboVbox.add(dayCombo);
165     comboVbox.add(Box.createVerticalStrut(8));
166     comboVbox.add(dateCombo);
167     comboVbox.add(Box.createVerticalStrut(8));
168
169     comboVbox.add(monthCombo);
170     comboVbox.add(Box.createVerticalStrut(8));
171     comboVbox.add(yearCombo);
172     comboVbox.add(Box.createVerticalStrut(8));
173     comboVbox.setAlignmentY(Component.TOP_ALIGNMENT);
174
175     hbox.add(label);
176     hbox.setAlignmentY(Component.TOP_ALIGNMENT);
177     hbox.add(comboVbox);
178
179     return hbox;
180 }
181
182 protected Component composeDateInputFormat() {
183     Box hbox = Box.createHorizontalBox();
184     return hbox;
185 }
186
187 /** The max height of a text field */
188 protected final double maxTextFieldHeight;
189 }

```