

```

1  package caltool.view.schedule;
2
3  import caltool.model.schedule.*;
4  import caltool.view.*;
5  import mvp.*;
6  import java.awt.*;
7
8  /****
9   *
10 * Class ScheduleUI is the companion view for the <a href = "Schedule.html">
11 * Schedule </a> model class. ScheduleUI contains all of the interface
12 * components needed to access model components of the Schedule object. The
13 * ScheduleMenu provides access to the four scheduling operations and the
14 * categories list. An input dialog view is defined for each of the four
15 * operations. The input dialog classes are named "ScheduleXDialog", where X =
16 * "Appointment", "Meeting", "Task", and "Event". These dialogs are used to
17 * gather input values for their corresponding method and to invoke the method
18 * when the user confirms the inputs with the 'OK' button.
19 *
20 * The CategoriesEditor view provides access to the categories list component
21 * of the Schedule model. This dialog provides the canonical view of the
22 * Categories class. The CategoriesEditor is a subview of ScheduleUI in
23 * parallel with Categories being a submodel of Schedule.
24 *
25 * @author Gene Fisher (gfisher@calpoly.edu)
26 * @version 13apr15
27 *
28 */
29 public class ScheduleUI extends View {
30
31     /**
32     * Construct this by constructing each of the component views.
33     */
34     public ScheduleUI(Screen screen, Schedule schedule,
35         CalendarToolUI calToolUI) {
36         super(screen, schedule);
37         scheduleMenu = new ScheduleMenu(screen, schedule, this);
38         scheduleAppointmentDialog = new ScheduleAppointmentDialog(screen,
39             schedule, calToolUI);
40         scheduleMeetingDialog = new ScheduleMeetingDialog(screen, schedule,
41             calToolUI);
42         scheduleTaskDialog = new ScheduleTaskDialog(screen, schedule,
43             calToolUI);
44         scheduleEventDialog = new ScheduleEventDialog(screen, schedule,
45             calToolUI);
46         categoriesEditor = new CategoriesEditor(screen,
47             schedule.getCategories(), calToolUI);
48     }
49
50     /**
51     * Call compose for each of the component views. As a convenience to dad
52     * (the CalendarToolUI), return the pulldown menu so it can be inserted
53     * into the top-level menubar.
54     */
55     public Component compose() {
56         scheduleAppointmentDialog.compose();
57         scheduleMeetingDialog.compose();
58         scheduleTaskDialog.compose();
59         scheduleEventDialog.compose();
60         categoriesEditor.compose();
61         return scheduleMenu.compose();
62     }
63
64     /**
65     * Return the ScheduleAppointmentDialog.
66     */
67     public ScheduleAppointmentDialog getScheduleAppointmentDialog() {
68         return scheduleAppointmentDialog;
69     }
70
71     /**
72     * Return the ScheduleMeetingDialog.
73     */
74     public ScheduleMeetingDialog getScheduleMeetingDialog() {
75         return scheduleMeetingDialog;
76     }
77
78     /**
79     * Return the ScheduleTaskDialog.
80     */
81     public ScheduleTaskDialog getScheduleTaskDialog() {
82         return scheduleTaskDialog;
83     }
84
85     /**
86     * Return the ScheduleEventDialog.
87     */
88     public ScheduleEventDialog getScheduleEventDialog() {
89         return scheduleEventDialog;
90     }
91
92     /**
93     * Return the CategoriesEditor.
94     */
95     public CategoriesEditor getCategoriesEditor() {
96         return categoriesEditor;
97     }
98
99     /** The ScheduleMenu */
100    protected ScheduleMenu scheduleMenu;
101
102    /** The ScheduleAppointmentDialog */
103    protected ScheduleAppointmentDialog scheduleAppointmentDialog;
104
105    /** The ScheduleMeetingDialog */
106    protected ScheduleMeetingDialog scheduleMeetingDialog;
107
108    /** The ScheduleTaskDialog */
109    protected ScheduleTaskDialog scheduleTaskDialog;
110
111    /** The ScheduleEventDialog */
112    protected ScheduleEventDialog scheduleEventDialog;

```

caltool/view/schedule

ScheduleUI.java

```
113
114     /** The CategoriesEditor */
115     protected CategoriesEditor categoriesEditor;
116
117 }
```