

```

Loading vc-cvs...
 1 package caltool.view;
 2
 3 import caltool.schedule.*;
 4 import mvp.*;
 5
 6 /**
 7  *
 8  * An AppointmentListItem is the somewhat abbreviated description of an
 9  * appointment that appears in appointments and meetings list views. The
10  * precise relation between a full Appointment compared to an
11  * AppointmentListItem is as follows:
12  *
13  * The titles are the same.
14  *
15  * The list item has only a start date, with no end date. This is
16  * because there is a separate list item for every instance of a
17  * recurring appointment.
18  *
19  * The start time and duration are the same.
20  *
21  * There is only a boolean-valued Recurs component in the list item,
22  * instead of the full recurring structure of the Appointment. The
23  * rationale is that the list would be too cluttered if it contained
24  * all of the recurring information of the full appointment.
25  *
26  * The category, location, security, and priority are the same.
27  *
28  * The list item contains no remind information or details. The
29  * rationale is again not to clutter the list.
30  */
31
32 public class AppointmentListItem extends Model {
33
34     /**
35      * Construct with the given field values.
36      */
37     public AppointmentListItem(String title, Date date, Time time,
38                               Duration duration, boolean recurs, Category category,
39                               String location, Security security, Priority priority) {
40
41         this.title = title;
42         this.date = date;
43         this.time = time;
44         this.duration = duration;
45         this.recurs = recurs;
46         this.category = category;
47         this.location = location;
48         this.security = security;
49         this.priority = priority;
50
51     }
52
53     /**
54      * Convert this to an array of its data fields. This method serves the
55      * companion view class <a href = ../view_ui/AppointmentsListDisplay.html>
56
57     * AppointmentsListDisplay </a>, the update method of which uses the array
58     * to populate the rows of the table view.
59     */
60     public Object[] toArray() {
61         Object[] array = new Object[9];
62
63         array[0] = title;
64         array[1] = date;
65         array[2] = time;
66         array[3] = duration;
67         array[4] = recurs ? "yes" : "no";
68         array[5] = category;
69         array[6] = location;
70         array[7] = security;
71         array[8] = priority;
72
73         return array;
74     }
75
76     /** Brief description of the scheduled item */
77     protected String title;
78
79     /** Date on which item is scheduled or due. This is the single-instance
80     date the listed item.
81     */
82     protected Date date;
83
84     /** Starting time of the appointment */
85     protected Time time;
86
87     /** How long the appointment lasts */
88     protected Duration duration;
89
90     /** Flag indicating whether the appointment recurs */
91     protected boolean recurs;
92
93     /** Color-coded category */
94     protected Category category;
95
96     /** Where the appointment is held */
97     protected String location;
98
99     /** Indicates who can see that the appointment is scheduled */
100    protected Security security;
101
102    /** How important the appointment is */
103    protected Priority priority;
104 }

```