```
Loading vc-cvs...
package caltool.view;

import caltool.schedule.*;
import mvp.*;

/****
 *
 * An AppointmentListItem is the somewhat abbreviated description of an
 * appointment that appears in appointments and meetings list views.  The
 * precise relation between a full Appointment compared to an
 * AppointmentListItem is as follows:
 *                                                                 <ul><li>
 *  The titles are the same.
 *                                                                     <li>
 *  The list item has only a start date, with no end date.  This is
 *  because there is a separte list item for every instance of a
 *  recurring appointment.
 *                                                                     <li>
 *  The start time and duration are the same.
 *                                                                     <li>
 *  There is only a boolean-valued Recurs component in the list item,
 *  instead of the full recurring structure of the Appointment.  The
 *  rationale is that the list would be too cluttered if it contained
 *  all of the recurring information of the full appointment.
 *                                                                     <li>
 *  The category, location, security, and priority are the same.
 *                                                                     <li>
 *  The list item contains no remind information or details.  The
 *  rationale is again not to clutter the list.
 */

public class AppointmentListItem extends Model {

    /**
     * Construct with the given field values.
     */
    public AppointmentListItem(String title, Date date, Time time,
            Duration duration, boolean recurs, Category category,
            String location, Security security, Priority priority) {

        this.title = title;
        this.date = date;
        this.time = time;
        this.duration = duration;
        this.recurs = recurs;
        this.category = category;
        this.location = location;
        this.security = security;
        this.priority = priority;

    }

    /**
     * Convert this to an array of its data fields.  This method serves the
     * companion view class <a href = ../view_ui/AppointmentsListDisplay.html>
     * AppointmentsListDisplay </a>, the update method of which uses the array
     * to populate the rows of the table view.
     */
    public Object[] toArray() {
        Object[] array = new Object[9];

        array[0] = title;
        array[1] = date;
        array[2] = time;
        array[3] = duration;
        array[4] = recurs ? "yes" : "no";
        array[5] = category;
        array[6] = location;
        array[7] = security;
        array[8] = priority;

        return array;
    }

    /** Brief description of the scheduled item */
    protected String title;

    /** Date on which item is scheduled or due.  This is the single-instance
        date the listed item.
     */
    protected Date date;

    /** Starting time of the appointment */
    protected Time time;

    /** How long the appointment lasts */
    protected Duration duration;

    /** Flag indicating whether the appointent recurs */
    protected boolean recurs;

    /** Color-coded category */
    protected Category category;

    /** Where the appointment is held */
    protected String location;

    /** Indicates who can see that the appointment is scheduled */
    protected Security security;

    /** How important the appointment is */
    protected Priority priority;

}
```