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Loading vc-cvs...                                                          56      * ../../../../requirements/list-viewing.html#Figure Basic Appointments List>
   1   package caltool.view;                                                57      * Figure 32 </a> of the requirements.
   2                                                                         58      */
   3   import caltool.caldb.*;                                              59     public Object[] viewAppointmentsList() {
   4   import caltool.schedule.*;                                           60         return generateSampleList();
   5   import mvp.*;                                                         61     }
   6   import java.util.*;                                                   62
   7                                                                         63     /**
   8   /****                                                                 64      * Generate a sample appointments list for initial view testing.  The list
   9    *                                                                    65      * is based on
  10    * Class Lists is the model class that encapsulates the View->Lists commands.  66      * ../../requirements/list-viewing.html#Figure Basic Appointments List>
  11    * These are commands to list appointments, meetings, tasks, events, and all  67      * Figure 32 </a> of the requirements, with additional data added to
  12    * items.  Lists also has a reference to the CustomLists class, which has  68      * reflect that which is not visible in the default 20-line view.  The data
  13    * methods and data to support editing custom lists of items.         69      * were generated with the assistance of Emacs editing macros.
  14    *                                                        <p>         70      */
  15    * There are couple design alternatives for this class.  In Alternative 1, the  71     protected Object[] generateSampleList() {
  16    * way the class is currently designed, this Lists class supplies      72
  17    * array-returning methods that trace to the operations in the abstract spec.  73         Vector<AppointmentListItem> list = new Vector();
  18    * These methods have been refined to return array values intstead of whole  74
  19    * model objects.  This refinement supports the companion view classes that are  75         list.add(
  20    * implemented as JTables, the rows of which are easily populated with  76             new AppointmentListItem(
  21    * array-valued data.                                                  77                 "Racket Ball",
  22    *                                                        <p>          78                 new caltool.schedule.Date("sep 17, 1998"),
  23    * Alternative 2, not currently implemented, would be patterned after the  79                 new Time("8 AM"),
  24    * current MontlyAgenda/MonthlyAgendaDisplay design.  In this version of the  80                 new Duration(1, 0),
  25    * design,, the Lists class would have data fields that point to instances of  81                 true,
  26    * AppointmentLists, etc, and each such list class would provide iterator  82                 new Category("personal"),
  27    * methods, a la MontlyAgenda.  In this case, the traceable             83                 "Rec centre",
  28    * viewAppointmentsList method returns a (persistent) AppointmentList object  84                 Security.PublicTitle,
  29    * that serves as the appointment list factory, a la MonthlyAgenda.    85                 Priority.Optional)
  30    *                                                        <p>          86         );
  31    * Alternative 1 is more directly traceable to the spec, and more functional in  87
  32    * style, since the return values of the methods are not persistent objects.  88         list.add(
  33    * Alternative 2 can be considered more object-oriented in style, with its  89             new AppointmentListItem(
  34    * persistent object instances and iterator methods.  I see no real qualitative  90                 "Office Hours",
  35    * difference between the two designs, only a stylistic difference.    91                 new caltool.schedule.Date("sep 21, 1998"),
  36    *                                                                     92                 new Time("9 AM"),
  37    * @author Gene Fisher (gfisher@calpoly.edu)                           93                 new Duration(1, 0),
  38    * @version 25jan08                                                    94                 true,
  39    *                                                                     95                 new Category("classes"),
  40    */                                                                    96                 "14-210",
  41   public class Lists extends mvp.Model {                                 97                 Security.Public,
  42                                                                         98                 Priority.Must)
  43       public Lists(CalendarDB caldb) {                                  99         );
  44       }                                                               100
  45                                                                        101         list.add(
  46                                                                        102             new AppointmentListItem(
  47       /**                                                              103                 "Data Structures Lecture",
  48        * List all appointments between the current list-start and list-end option  104                 new caltool.schedule.Date("sep 21, 1998"),
  49        * settings.  The default start/end setting is the three-week period  105                 new Time("10 AM"),
  50        * starting one week prior to today's date through two weeks after today's  106                 new Duration(1, 0),
  51        * date.  The list of values is returned in an array of <a href=  107                 true,
  52        * AppointmentListItem.html> AppointmentListItems </a>.            108                 new Category("classes"),
  53        *                                                                109                 "14-256",
  54        * The current implementation is a stub that returns a sample list with  110                 Security.Public,
  55        * values taken from <a href=                                     111                 Priority.Must)
```

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112              );
113
114          list.add(
115              new AppointmentListItem(
116                  "Data Structures Lab",
117                  new caltool.schedule.Date("sep 21, 1998"),
118                  new Time("11 AM"),
119                  new Duration(1, 0),
120                  true,
121                  new Category("classes"),
122                  "14-232",
123                  Security.Public,
124                  Priority.Must)
125          );
126
127          list.add(
128              new AppointmentListItem(
129                  "Software Engineering Graduate Seminar",
130                  new caltool.schedule.Date("sep 21, 1998"),
131                  new Time("3 PM"),
132                  new Duration(2, 0),
133                  true,
134                  new Category("classes"),
135                  "14-301",
136                  Security.Public,
137                  Priority.Must)
138          );
139
140          list.add(
141              new AppointmentListItem(
142                  "Racket Ball",
143                  new caltool.schedule.Date("sep 22, 1998"),
144                  new Time("8 AM"),
145                  new Duration(1, 0),
146                  true,
147                  new Category("personal"),
148                  "Rec centre",
149                  Security.PublicTitle,
150                  Priority.Optional)
151          );
152
153          list.add(
154              new AppointmentListItem(
155                  "Research",
156                  new caltool.schedule.Date("sep 22, 1998"),
157                  new Time("9 AM"),
158                  new Duration(8, 0),
159                  true,
160                  new Category("research"),
161                  "14-210",
162                  Security.Public,
163                  Priority.Must)
164          );
165
166          list.add(
167              new AppointmentListItem(
168                  "Office Hours",
169                  new caltool.schedule.Date("sep 23, 1998"),
170                  new Time("9 AM"),
171                  new Duration(1, 0),
172                  true,
173                  new Category("classes"),
174                  "14-210",
175                  Security.Public,
176                  Priority.Must)
177          );
178
179          list.add(
180              new AppointmentListItem(
181                  "Data Structures Lecture",
182                  new caltool.schedule.Date("sep 23, 1998"),
183                  new Time("10 AM"),
184                  new Duration(1, 0),
185                  true,
186                  new Category("classes"),
187                  "14-256",
188                  Security.Public,
189                  Priority.Must)
190          );
191
192          list.add(
193              new AppointmentListItem(
194                  "Data Structures Lab",
195                  new caltool.schedule.Date("sep 23, 1998"),
196                  new Time("11 AM"),
197                  new Duration(1, 0),
198                  true,
199                  new Category("classes"),
200                  "14-232",
201                  Security.Public,
202                  Priority.Must)
203          );
204
205          list.add(
206              new AppointmentListItem(
207                  "Lunch with Microsoft",
208                  new caltool.schedule.Date("sep 23, 1998"),
209                  new Time("12 PM"),
210                  new Duration(1, 30),
211                  false,
212                  new Category("department"),
213                  "Staff dining",
214                  Security.Public,
215                  Priority.Optional)
216          );
217
218          list.add(
219              new AppointmentListItem(
220                  "Racket Ball",
221                  new caltool.schedule.Date("sep 24, 1998"),
222                  new Time("8 AM"),
223                  new Duration(1, 0),
```

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224                 true,
225                 new Category("personal"),
226                 "Rec centre",
227                 Security.PublicTitle,
228                 Priority.Optional)
229         );
230
231         list.add(
232             new AppointmentListItem(
233                 "Office Hours",
234                 new caltool.schedule.Date("sep 24, 1998"),
235                 new Time("1:15 PM"),
236                 new Duration(1, 45),
237                 true,
238                 new Category("classes"),
239                 "14-210",
240                 Security.Public,
241                 Priority.Must)
242         );
243
244         list.add(
245             new AppointmentListItem(
246                 "Software Engineering Graduate Seminar",
247                 new caltool.schedule.Date("sep 24, 1998"),
248                 new Time("3 PM"),
249                 new Duration(2, 0),
250                 true,
251                 new Category("classes"),
252                 "14-301",
253                 Security.Public,
254                 Priority.Must)
255         );
256
257         list.add(
258             new AppointmentListItem(
259                 "Dentist",
260                 new caltool.schedule.Date("sep 25, 1998"),
261                 new Time("8 AM"),
262                 new Duration(1, 30),
263                 false,
264                 new Category("personal"),
265                 "1342 Sycamore Dr",
266                 Security.PublicTitle,
267                 Priority.Must)
268         );
269
270         list.add(
271             new AppointmentListItem(
272                 "Office Hours",
273                 new caltool.schedule.Date("sep 25, 1998"),
274                 new Time("9 AM"),
275                 new Duration(1, 0),
276                 true,
277                 new Category("classes"),
278                 "14-210",
279                 Security.Public,
280                 Priority.Must)
281         );
282
283         list.add(
284             new AppointmentListItem(
285                 "Data Structures Lecture",
286                 new caltool.schedule.Date("sep 25, 1998"),
287                 new Time("10 AM"),
288                 new Duration(1, 0),
289                 true,
290                 new Category("classes"),
291                 "14-256",
292                 Security.Public,
293                 Priority.Must)
294         );
295
296         list.add(
297             new AppointmentListItem(
298                 "Data Structures Lab",
299                 new caltool.schedule.Date("sep 25, 1998"),
300                 new Time("11 AM"),
301                 new Duration(1, 0),
302                 true,
303                 new Category("classes"),
304                 "14-232",
305                 Security.Public,
306                 Priority.Must)
307         );
308
309         list.add(
310             new AppointmentListItem(
311                 "Office Hours",
312                 new caltool.schedule.Date("sep 28, 1998"),
313                 new Time("9 AM"),
314                 new Duration(1, 0),
315                 true,
316                 new Category("classes"),
317                 "14-210",
318                 Security.Public,
319                 Priority.Must)
320         );
321
322         list.add(
323             new AppointmentListItem(
324                 "Data Structures Lecture",
325                 new caltool.schedule.Date("sep 28, 1998"),
326                 new Time("10 AM"),
327                 new Duration(1, 0),
328                 true,
329                 new Category("classes"),
330                 "14-256",
331                 Security.Public,
332                 Priority.Must)
333         );
334
335         list.add(
```

```
336              new AppointmentListItem(
337                  "Data Structures Lab",
338                  new caltool.schedule.Date("sep 28, 1998"),
339                  new Time("11 AM"),
340                  new Duration(1, 0),
341                  true,
342                  new Category("classes"),
343                  "14-232",
344                  Security.Public,
345                  Priority.Must)
346          );
347
348          list.add(
349              new AppointmentListItem(
350                  "Software Engineering Graduate Seminar",
351                  new caltool.schedule.Date("sep 28, 1998"),
352                  new Time("3 PM"),
353                  new Duration(2, 0),
354                  true,
355                  new Category("classes"),
356                  "14-301",
357                  Security.Public,
358                  Priority.Must)
359          );
360
361          list.add(
362              new AppointmentListItem(
363                  "Racket Ball",
364                  new caltool.schedule.Date("sep 29, 1998"),
365                  new Time("8 AM"),
366                  new Duration(1, 0),
367                  true,
368                  new Category("personal"),
369                  "Rec centre",
370                  Security.PublicTitle,
371                  Priority.Optional)
372          );
373
374          list.add(
375              new AppointmentListItem(
376                  "Research",
377                  new caltool.schedule.Date("sep 29, 1998"),
378                  new Time("9 AM"),
379                  new Duration(8, 0),
380                  true,
381                  new Category("research"),
382                  "14-210",
383                  Security.Public,
384                  Priority.Must)
385          );
386
387          list.add(
388              new AppointmentListItem(
389                  "Office Hours",
390                  new caltool.schedule.Date("sep 30, 1998"),
391                  new Time("9 A"),
392                  new Duration(1, 0),
393                  true,
394                  new Category("classes"),
395                  "14-210",
396                  Security.Public,
397                  Priority.Must)
398          );
399
400          list.add(
401              new AppointmentListItem(
402                  "Data Structures Lecture",
403                  new caltool.schedule.Date("sep 30, 1998"),
404                  new Time("10 AM"),
405                  new Duration(1, 0),
406                  true,
407                  new Category("classes"),
408                  "14-256",
409                  Security.Public,
410                  Priority.Must)
411          );
412
413          list.add(
414              new AppointmentListItem(
415                  "Data Structures Lab",
416                  new caltool.schedule.Date("sep 30, 1998"),
417                  new Time("11 AM"),
418                  new Duration(1, 0),
419                  true,
420                  new Category("classes"),
421                  "14-232",
422                  Security.Public,
423                  Priority.Must)
424          );
425
426          list.add(
427              new AppointmentListItem(
428                  "CAD Research Project Meeting",
429                  new caltool.schedule.Date("sep 30, 1998"),
430                  new Time("2:30 PM"),
431                  new Duration(2, 0),
432                  true,
433                  new Category("research"),
434                  "14-301",
435                  Security.Public,
436                  Priority.Must)
437          );
438
439          list.add(
440              new AppointmentListItem(
441                  "Racket Ball",
442                  new caltool.schedule.Date("oct 1, 1998"),
443                  new Time("8 AM"),
444                  new Duration(1, 0),
445                  true,
446                  new Category("personal"),
447                  "Rec centre",
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448             Security.PublicTitle,
449             Priority.Optional)
450         );
451
452     list.add(
453         new AppointmentListItem(
454             "Office Hours",
455             new caltool.schedule.Date("oct 1, 1998"),
456             new Time("1:15 PM"),
457             new Duration(1, 45),
458             true,
459             new Category("classes"),
460             "14-210",
461             Security.Public,
462             Priority.Must)
463         );
464
465     list.add(
466         new AppointmentListItem(
467             "Software Engineering Graduate Seminar",
468             new caltool.schedule.Date("oct 1, 1998"),
469             new Time("3 PM"),
470             new Duration(2, 0),
471             true,
472             new Category("classes"),
473             "14-301",
474             Security.Public,
475             Priority.Must)
476         );
477
478     list.add(
479         new AppointmentListItem(
480             "Office Hours",
481             new caltool.schedule.Date("oct 2, 1998"),
482             new Time("9 AM"),
483             new Duration(1, 0),
484             true,
485             new Category("classes"),
486             "14-210",
487             Security.Public,
488             Priority.Must)
489         );
490
491     list.add(
492         new AppointmentListItem(
493             "Data Structures Lecture",
494             new caltool.schedule.Date("oct 2, 1998"),
495             new Time("10 AM"),
496             new Duration(1, 0),
497             true,
498             new Category("classes"),
499             "14-256",
500             Security.Public,
501             Priority.Must)
502         );
503
504     list.add(
505         new AppointmentListItem(
506             "Data Structures Lab",
507             new caltool.schedule.Date("oct 2, 1998"),
508             new Time("11 AM"),
509             new Duration(1, 0),
510             true,
511             new Category("classes"),
512             "14-232",
513             Security.Public,
514             Priority.Must)
515         );
516
517     list.add(
518         new AppointmentListItem(
519             "Office Hours",
520             new caltool.schedule.Date("oct 5, 1998"),
521             new Time("9 AM"),
522             new Duration(1, 0),
523             true,
524             new Category("classes"),
525             "14-210",
526             Security.Public,
527             Priority.Must)
528         );
529
530     list.add(
531         new AppointmentListItem(
532             "Data Structures Lecture",
533             new caltool.schedule.Date("oct 5, 1998"),
534             new Time("10 AM"),
535             new Duration(1, 0),
536             true,
537             new Category("classes"),
538             "14-256",
539             Security.Public,
540             Priority.Must)
541         );
542
543     list.add(
544         new AppointmentListItem(
545             "Data Structures Lab",
546             new caltool.schedule.Date("oct 5, 1998"),
547             new Time("11 AM"),
548             new Duration(1, 0),
549             true,
550             new Category("classes"),
551             "14-232",
552             Security.Public,
553             Priority.Must)
554         );
555
556     list.add(
557         new AppointmentListItem(
558             "Software Engineering Graduate Seminar",
559             new caltool.schedule.Date("oct 5, 1998"),
```

```
560                   new Time("3 PM"),
561                   new Duration(2, 0),
562                   true,
563                   new Category("classes"),
564                   "14-301",
565                   Security.Public,
566                   Priority.Must)
567           );
568
569           list.add(
570               new AppointmentListItem(
571                   "Racket Ball",
572                   new caltool.schedule.Date("oct 6, 1998"),
573                   new Time("8 AM"),
574                   new Duration(1, 0),
575                   true,
576                   new Category("personal"),
577                   "Rec centre",
578                   Security.PublicTitle,
579                   Priority.Optional)
580           );
581
582           list.add(
583               new AppointmentListItem(
584                   "Research",
585                   new caltool.schedule.Date("oct 6, 1998"),
586                   new Time("9 AM"),
587                   new Duration(8, 0),
588                   true,
589                   new Category("research"),
590                   "14-210",
591                   Security.Public,
592                   Priority.Must)
593           );
594
595           return list.toArray();
596
597       }
598
599  }
```