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1 package caltool.model.view;
2
3 import caltool.model.caldb.*;
4 import caltool.model.schedule.*;
5 import mvp.*;
6 import java.util.*;
7
8 /**
9  *
10 * Class Lists is the model class that encapsulates the View->Lists commands.
11 * These are commands to list appointments, meetings, tasks, events, and all
12 * items. Lists also has a reference to the CustomLists class, which has
13 * methods and data to support editing custom lists of items.
14 *
15 * There are couple design alternatives for this class. In Alternative 1, the
16 * way the class is currently designed, this Lists class supplies
17 * array-returning methods that trace to the operations in the abstract spec.
18 * These methods have been refined to return array values instead of whole
19 * model objects. This refinement supports the companion view classes that are
20 * implemented as JTables, the rows of which are easily populated with
21 * array-valued data.
22 *
23 * Alternative 2, not currently implemented, would be patterned after the
24 * current MontlyAgenda/MonthlyAgendaDisplay design. In this version of the
25 * design,, the Lists class would have data fields that point to instances of
26 * AppointmentLists, etc, and each such list class would provide iterator
27 * methods, a la MontlyAgenda. In this case, the traceable
28 * viewAppointmentsList method returns a (persistent) AppointmentList object
29 * that serves as the appointment list factory, a la MonthlyAgenda.
30 *
31 * Alternative 1 is more directly traceable to the spec, and more functional in
32 * style, since the return values of the methods are not persistent objects.
33 * Alternative 2 can be considered more object-oriented in style, with its
34 * persistent object instances and iterator methods. I see no real qualitative
35 * difference between the two designs, only a stylistic difference.
36 *
37 * @author Gene Fisher (gfisher@calpoly.edu)
38 * @version 13apr15
39 *
40 */
41 public class Lists extends mvp.Model {
42
43     public Lists(CalendarDB caldb) {
44     }
45
46     /**
47     * List all appointments between the current list-start and list-end option
48     * settings. The default start/end setting is the three-week period
49     * starting one week prior to today's date through two weeks after today's
50     * date. The list of values is returned in an array of 

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113
114     list.add(
115         new AppointmentListItem(
116             "Data Structures Lab",
117             new caltool.model.schedule.Date("sep 21, 2015"),
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.model.schedule.Date("sep 21, 2015"),
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.model.schedule.Date("sep 22, 2015"),
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.model.schedule.Date("sep 22, 2015"),
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
170
171             new caltool.model.schedule.Date("sep 23, 2015"),
172             new Time("9 AM"),
173             new Duration(1, 0),
174             true,
175             new Category("classes"),
176             "14-210",
177             Security.Public,
178             Priority.Must)
179     );
180
181     list.add(
182         new AppointmentListItem(
183             "Data Structures Lecture",
184             new caltool.model.schedule.Date("sep 23, 2015"),
185             new Time("10 AM"),
186             new Duration(1, 0),
187             true,
188             new Category("classes"),
189             "14-256",
190             Security.Public,
191             Priority.Must)
192     );
193
194     list.add(
195         new AppointmentListItem(
196             "Data Structures Lab",
197             new caltool.model.schedule.Date("sep 23, 2015"),
198             new Time("11 AM"),
199             new Duration(1, 0),
200             true,
201             new Category("classes"),
202             "14-232",
203             Security.Public,
204             Priority.Must)
205     );
206
207     list.add(
208         new AppointmentListItem(
209             "Lunch with Microsoft",
210             new caltool.model.schedule.Date("sep 23, 2015"),
211             new Time("12 PM"),
212             new Duration(1, 30),
213             false,
214             new Category("department"),
215             "Staff dining",
216             Security.Public,
217             Priority.Optional)
218     );
219
220     list.add(
221         new AppointmentListItem(
222             "Racket Ball",
223             new caltool.model.schedule.Date("sep 24, 2015"),
224             new Time("8 AM"),
225             new Duration(1, 0),
226             true,

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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.model.schedule.Date("sep 24, 2015"),
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.model.schedule.Date("sep 24, 2015"),
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.model.schedule.Date("sep 25, 2015"),
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.model.schedule.Date("sep 25, 2015"),
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
284     list.add(
285         new AppointmentListItem(
286             "Data Structures Lecture",
287             new caltool.model.schedule.Date("sep 25, 2015"),
288             new Time("10 AM"),
289             new Duration(1, 0),
290             true,
291             new Category("classes"),
292             "14-256",
293             Security.Public,
294             Priority.Must)
295     );
296
297     list.add(
298         new AppointmentListItem(
299             "Data Structures Lab",
300             new caltool.model.schedule.Date("sep 25, 2015"),
301             new Time("11 AM"),
302             new Duration(1, 0),
303             true,
304             new Category("classes"),
305             "14-232",
306             Security.Public,
307             Priority.Must)
308     );
309
310     list.add(
311         new AppointmentListItem(
312             "Office Hours",
313             new caltool.model.schedule.Date("sep 28, 2015"),
314             new Time("9 AM"),
315             new Duration(1, 0),
316             true,
317             new Category("classes"),
318             "14-210",
319             Security.Public,
320             Priority.Must)
321     );
322
323     list.add(
324         new AppointmentListItem(
325             "Data Structures Lecture",
326             new caltool.model.schedule.Date("sep 28, 2015"),
327             new Time("10 AM"),
328             new Duration(1, 0),
329             true,
330             new Category("classes"),
331             "14-256",
332             Security.Public,
333             Priority.Must)
334     );
335
336     list.add(
337         new AppointmentListItem(

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337         "Data Structures Lab",
338         new caltool.model.schedule.Date("sep 28, 2015"),
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.model.schedule.Date("sep 28, 2015"),
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.model.schedule.Date("sep 29, 2015"),
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.model.schedule.Date("sep 29, 2015"),
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.model.schedule.Date("sep 30, 2015"),
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.model.schedule.Date("sep 30, 2015"),
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.model.schedule.Date("sep 30, 2015"),
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.model.schedule.Date("sep 30, 2015"),
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.model.schedule.Date("oct 1, 2015"),
443             new Time("8 AM"),
444             new Duration(1, 0),
445             true,
446             new Category("personal"),
447             "Rec centre",
448             Security.PublicTitle,

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449         Priority.Optional)
450     );
451
452     list.add(
453         new AppointmentListItem(
454             "Office Hours",
455             new caltool.model.schedule.Date("oct 1, 2015"),
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.model.schedule.Date("oct 1, 2015"),
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.model.schedule.Date("oct 2, 2015"),
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.model.schedule.Date("oct 2, 2015"),
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
506         new AppointmentListItem(
507             "Data Structures Lab",
508             new caltool.model.schedule.Date("oct 2, 2015"),
509             new Time("11 AM"),
510             new Duration(1, 0),
511             true,
512             new Category("classes"),
513             "14-232",
514             Security.Public,
515             Priority.Must)
516     );
517
518     list.add(
519         new AppointmentListItem(
520             "Office Hours",
521             new caltool.model.schedule.Date("oct 5, 2015"),
522             new Time("9 AM"),
523             new Duration(1, 0),
524             true,
525             new Category("classes"),
526             "14-210",
527             Security.Public,
528             Priority.Must)
529     );
530
531     list.add(
532         new AppointmentListItem(
533             "Data Structures Lecture",
534             new caltool.model.schedule.Date("oct 5, 2015"),
535             new Time("10 AM"),
536             new Duration(1, 0),
537             true,
538             new Category("classes"),
539             "14-256",
540             Security.Public,
541             Priority.Must)
542     );
543
544     list.add(
545         new AppointmentListItem(
546             "Data Structures Lab",
547             new caltool.model.schedule.Date("oct 5, 2015"),
548             new Time("11 AM"),
549             new Duration(1, 0),
550             true,
551             new Category("classes"),
552             "14-232",
553             Security.Public,
554             Priority.Must)
555     );
556
557     list.add(
558         new AppointmentListItem(
559             "Software Engineering Graduate Seminar",
560             new caltool.model.schedule.Date("oct 5, 2015"),
561             new Time("3 PM"),

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```
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.model.schedule.Date("oct 6, 2015"),
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.model.schedule.Date("oct 6, 2015"),
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 }
```