

```

1  package caltool.model.schedule;
2
3  import caltool.model.caldb.*;
4
5  /**
6   *
7   * An Event is the simplest type of ScheduledItem. The only component it adds
8   * to a ScheduledItem is simple security.
9   *
10  * @author Gene Fisher (gfisher@calpoly.edu)
11  * @version 13apr15
12  *
13  */
14
15  public class Event extends ScheduledItem {
16
17      /**
18       * Construct an empty event.
19       */
20      public Event() {
21      }
22
23      /**
24       * Construct an event with the given field values. Generate and store the
25       * unique key for this event.
26       */
27      public Event(String title, Date startOrDueDate, Date endDate,
28                  Category category, SimpleSecurity security) {
29
30          this.title = title;
31          this.startOrDueDate = startOrDueDate;
32          this.endDate = endDate;
33          this.category = category;
34          this.security = security;
35
36          itemKey = new ItemKey(startOrDueDate, null, null, title, 0);
37      }
38
39      /**-
40       * Access methods.
41       */
42
43      /**
44       * Return the title.
45       */
46      public String getTitle() {
47          return title;
48      }
49
50
51      /**
52       * Return the start date.
53       */
54      public Date getStartDate() {
55          return startOrDueDate;
56
57
58      /**
59       * Return the end date.
60       */
61      public Date getEndDate() {
62          return endDate;
63      }
64
65      /**-
66       * Process methods
67       */
68
69      /**
70       * Return the unique key for this, consisting of date and title. Time,
71       * duration, and priority are unused.
72       */
73      public ItemKey getKey() {
74          return itemKey;
75      }
76
77      /**
78       * Convert this to a string.
79       */
80      public String toString() {
81          return
82              "\n" + "Title: " + title + "\n" +
83              "Start date: " + startOrDueDate.toString() + "\n" +
84              "End date: " + (endDate == null ? "" : endDate.toString()) + "\n" +
85              "Category: " + (category == null ? "" : category.toString()) +
86              "\n" +
87              "Security: " + security + "\n";
88      }
89
90      /**-
91       * Derived data field
92       */
93
94      /** Whether the event is public or private. */
95      protected SimpleSecurity security;
96
97
98      /**-
99       * Process data field
100      */
101
102      /** The unique key for storing this in the UserCalendar items list */
103      protected ItemKey itemKey;
104
105  }

```