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1 // fo1/10/juno/User.java
2 //
3 //
4 // Copyright 2003 Ethan Bolker and Bill Campbell
5
6 /**
7  * Model a juno user. Each User has a login name, password,
8  * a home directory, and a real name.
9  * name.
10 *
11 * @version 10
12 */
13
14 public class User
15 implements java.io.Serializable
16 {
17     private String name; // The user's login name
18     private String password; // The user's login password.
19     private Directory home; // her home Directory
20     private String realName; // her real name
21
22     /**
23      * Construct a new User.
24      *
25      * @param name the User's login name.
26      * @param password the user's login password.
27      * @param home her home Directory.
28      * @param realName her real name.
29      */
30
31     public User( String name, String password,
32                 Directory home, String realName )
33     {
34         this.name = name;
35         this.password = password;
36         this.home = home;
37         this.realName = realName;
38     }
39
40     /**
41      * Confirm password. Throw a JunoException on failure.
42      *
43      * @param guess the string to test against the password.
44      *
45      * @exception JunoException
46      *         if password fails to match
47      */
48
49     public void matchPassword( String guess ) throws JunoException
50     {
51         if ( !guess.equals( password ) ) {
52             throw new JunoException( "bad password" );
53         }
54     }
55
56     /**

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57      * Get the User's login name.
58      *
59      * @return the name.
60      */
61
62     public String getName()
63     {
64         return name;
65     }
66
67     /**
68      * Convert the User to a String.
69      * The String representation for a User is her
70      * login name.
71      *
72      * @return the User's name.
73      */
74
75     public String toString()
76     {
77         return getName();
78     }
79
80     /**
81      * Get the User's home Directory.
82      *
83      * @return the home Directory.
84      */
85
86     public Directory getHome()
87     {
88         return home;
89     }
90
91     /**
92      * Get the user's real name.
93      *
94      * @return the real name.
95      */
96
97     public String getRealName()
98     {
99         return realName;
100     }
101 }

```