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1 // fo1/10/juno/JunoTerminal.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5
6 /**
7  * A Command line interface terminal for Juno.
8  *
9  * @version 1.0
10 */
11
12 public class JunoTerminal
13 implements InputInterface, OutputInterface
14 {
15     private Terminal terminal; // the delegate terminal
16     private boolean echo; // are we echoing input?
17
18     /**
19      * Construct a JunoTerminal
20      *
21      * Allows for input echo, when, for example, input is redirected
22      * from a file.
23      *
24      * @param echo whether or not input should be echoed.
25      */
26
27     public JunoTerminal( boolean echo )
28     {
29         this.echo = echo;
30         terminal = new Terminal( echo );
31     }
32
33     // Implement InputInterface
34
35     /**
36      * Read a line (terminated by a newline).
37      *
38      * @param promptString output string to prompt for input
39      * @return the string (without the newline character)
40      */
41
42     public String readline( String promptString )
43     {
44         return terminal.readline( promptString );
45     }
46
47     // Implement OutputInterface
48
49     /**
50      * Write a String followed by a newline
51      * to console output location.
52      *
53      * @param str - the string to write
54      */
55     public void println( String str )

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57     {
58         terminal.println( str );
59     }
60
61     /**
62      * Write a String followed by a newline
63      * to console error output location.
64      *
65      * @param str - the String to write
66      */
67
68     public void errPrintln( String str )
69     {
70         terminal.errPrintln( str );
71     }
72
73     /**
74      * Query what kind of console this is.
75      *
76      * @return true if and only if echoing input.
77      */
78
79     public boolean isEchoInput()
80     {
81         return echo;
82     }
83
84     /**
85      * Query what kind of console this is.
86      *
87      * @return false, since it is not a GUI
88      */
89
90     public boolean isGUI()
91     {
92         return false;
93     }
94
95     /**
96      * Query what kind of console this is.
97      *
98      * @return false, since it is not remote.
99      */
100
101     public boolean isRemote()
102     {
103         return false;
104     }
105 }

```