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1 // fo1/7/juno/ShellCommand.java
2 //
3 //
4 // Copyright 2003 Bill Campbell and Ethan Bolker
5 import java.util.*;
6
7 /**
8  * Model those features common to all ShellCommands.
9  *
10 * Each concrete extension of this class provides a constructor
11 * and an implementation for method doit().
12 *
13 * @version 7
14 */
15
16 public abstract class ShellCommand
17 {
18     private String helpString; // documents the command
19     private String argString; // any args to the command
20
21     /**
22      * A constructor, always called (as super()) by the subclass.
23      * Used only for commands that have arguments.
24      *
25      * @param helpString a brief description of what the command does.
26      * @param argString a prototype illustrating the required arguments.
27      */
28     protected ShellCommand( String helpString, String argString )
29     {
30         this.argString = argString;
31         this.helpString = helpString;
32     }
33
34     /**
35      * A constructor for commands having no arguments.
36      *
37      * @param helpString a brief description of what the command does.
38      */
39     protected ShellCommand( String helpString )
40     {
41         this( helpString, "" );
42     }
43
44     /**
45      * Execute the command.
46      *
47      * @param args the remainder of the command line.
48      * @param sh the current shell
49      * @exception JunoException for reporting errors
50      */
51     public abstract void doit( StringTokenizer args, Shell sh )
52
53
54
55
56

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57     throws JunoException;
58
59     /**
60      * Help for this command.
61      *
62      * @return the help string.
63      */
64     public String getHelpString()
65     {
66         return helpString;
67     }
68
69     /**
70      * The argument string prototype.
71      *
72      * @return the argument string prototype.
73      */
74     public String getArgString()
75     {
76         return argString;
77     }
78
79 }
80

```