

Automator.java

```
1 //*****
2 //
3 // File:    Automator.java
4 // Package: ---
5 // Unit:    Class Automator
6 //
7 //*****
8
9 import java.io.IOException;
10 import java.nio.charset.Charset;
11 import java.nio.file.Files;
12 import java.nio.file.Paths;
13 import java.util.List;
14
15 /**
16  * This class automates many calls to the Chirp main method
17  * by using command line arguments from an automation file.
18  *
19  * Each line in the file must either be commented out with
20  * a '#', or be a valid command for Chirp.java.
21  *
22  * @author Jimi Ford (jhf3617)
23  * @version 3-31-2015
24  */
25 public class Automator {
26
27     /**
28      *
29      * @param args command line arguments
30      * @param args[0] = automation file
31      */
32     public static void main(String[] args) {
33         if(args.length != 1) {
34             usage();
35         }
36         try {
37             List<String> lines = Files.readAllLines(Paths.get(args[0]),
38                 Charset.defaultCharset());
39             String[] lineArr;
40             int lineCount = 0;
41             boolean skip, comment;
42             for (String line : lines) {
43                 ++lineCount;
44                 line = line.trim();
45                 lineArr = line.split(" ");
46                 skip = lineArr[0].equals(line);
47                 comment = lineArr[0].startsWith("#");
48                 if(skip || comment) {
49                     if(comment) {
50                         if(line.equals("#")) {
51                             System.out.println();
52                         } else {
53                             System.out.println(line);
54                         }
55                     }
56                     continue;
57                 }
58                 Chirp.main(lineArr);
```

```
59     }
60     } catch (IOException e) {
61         error("Error reading automation file");
62     }
63 }
64
65 /**
66  * display usage message and exit
67  */
68 private static void usage() {
69     System.err.println("usage: java Automator <automation file>");
70     System.exit(1);
71 }
72
73 /**
74  * print error message and call usage()
75  * @param msg
76  */
77 private static void error(String msg) {
78     System.err.println(msg);
79     usage();
80 }
81 }
82
```