

```
1 import components.map.Map;
2 import components.simplereader.SimpleReader;
3 import components.simplereader.SimpleReader1L;
4
5 /**
6  * cooooool homework yaaaaaaaayyy
7  *
8  * @author G. Farmer
9  */
10 public final class Homework21 {
11
12     /**
13      * No argument constructor--private to prevent instantiation.
14      */
15     private Homework21() {
16         // no code needed here
17     }
18
19     /**
20      * Inputs a "menu" of words (items) and their prices from the given file and
21      * stores them in the given {@code Map}.
22      *
23      * @param fileName
24      *     the name of the input file
25      * @param priceMap
26      *     the word -> price map
27      * @replaces priceMap
28      * @requires <pre>
29      * [file named fileName exists but is not open, and has the
30      *  format of one "word" (unique in the file) and one price (in cents)
31      *  per line, with word and price separated by ','; the "word" may
32      *  contain whitespace but no ',']
33      * </pre>
34      * @ensures [priceMap contains word -> price mapping from file fileName]
35      */
36     private static void getPriceMap(String fileName,
37                                     Map<String, Integer> priceMap) {
38
39         SimpleReader file = new SimpleReader1L(fileName);
40         String[] namePrice;
41
42         String next = file.nextLine();
43
44         while (!next.equals("")) {
45             namePrice = next.split("[,]", 0);
46             priceMap.add(namePrice[0], Integer.valueOf(namePrice[1]));
47             next = file.nextLine();
48         }
49     }
50
51     /**
52      * Input one pizza order and compute and return the total price.
53      *
54      * @param input
55      *     the input stream
56      * @param sizePriceMap
57      *     the size -> price map
58      * @param toppingPriceMap
59      *     the topping -> price map
```

```
60     * @return the total price (in cents)
61     * @updates input
62     * @requires <pre>
63     * input.is_open and
64     * [input.content begins with a pizza order consisting of a size
65     *   (something defined in sizePriceMap) on the first line, followed
66     *   by zero or more toppings (something defined in toppingPriceMap)
67     *   each on a separate line, followed by an empty line]
68     * </pre>
69     * @ensures <pre>
70     * input.is_open and
71     * #input.content = [one pizza order (as described
72     *                   in the requires clause)] * input.content and
73     * getOneOrder = [total price (in cents) of that pizza order]
74     * </pre>
75     */
76     private static int getOneOrder(SimpleReader input,
77     Map<String, Integer> sizePriceMap,
78     Map<String, Integer> toppingPriceMap) {
79
80         String next = input.nextLine();
81         int total = 0;
82         int i = 0;
83
84         while (!next.equals("")) {
85             if (i == 0) {
86                 total += sizePriceMap.value(next);
87             } else {
88                 total += toppingPriceMap.value(next);
89             }
90         }
91
92         return 0;
93     }
94
95 }
96
```