```
1  Linked List Game: Design Document
2  Author: Lauren E. Scott
3  June 27, 2014
4
5  The goal of this game is to brush up on linked lists while at the same time
6
7  -- The Game --
8
9  This game is a simple one about ordering a random assortment of letters into
10
11 For example, this may be a level given to a player:
12
13 -- Level 0 --
14 I have wings, feathers, and I fly in the sky. What am I?
15
16 Available letters: HIROBNDQ
17 Choose something to do to the list:
18 [1] to Append a letter to the back of the list.
19 [2] to Push a letter to the front of the list.
20 [3] to Delete a letter from the list.
21 The list will be printed out each time you modify it.
22
23 The player must use properties of a list to assemble the letters B, I, R, an
24
25 l.append(B);
26 l.append(I);
27 l.append(R);
28 l.append(D);
29 Correct!
30
31 Or, something like this:
32 l.append(I);
33 l.push_front(B);
34 l.append(R);
35 l.append(H);
36 l.append(D);
37 l.delete(H);
38 Correct!
39
40 If the player inputs a wrong letter:
41 l.append(X);
42 Letter is not in set of given letters!
43
44 The player can print what they have at any time during the game:
45 l.print()
```

```
46  BRD
47
48  The player can type Q at any time to quit the game.
49
50
51  -- Code Design --
52
53  Of course, we will be using a linked list for the meat of this game. The lin
54
55  In addition to these linked list functions, there will also be other functio
56
57  Each level will also have a set of possible upper-case letters that the play
58
59  There will be a total of 10 levels. Once level 10 is reached, the player is
60
61
62
63
64
65
66
67
```