

```
1 /*
2  * Helpers.h
3  * Defines Helper functions for the application
4  *
5  *
6  * Created: 2/7/2017 by Ryan Tedeschi
7  */
8
9 #include "Helpers.h"
10
11 using namespace std;
12
13 namespace Helpers {
14     string ReadFile(string filename) {
15         FILE* fp = fopen(filename.c_str(), "r");
16         string filetext = "";
17
18         if (fp != NULL) {
19             char c;
20             while ((c = fgetc(fp)) != EOF) {
21                 filetext += c;
22             }
23         }
24
25         return filetext;
26     }
27
28     string DupStr(string str, int count) {
29         string s = "";
30         for (int i = 0; i < count; i++) {
31             s += str;
32         }
33         return s;
34     }
35
36     string toLower(string str) {
37         string c(str);
38         std::transform(c.begin(), c.end(), c.begin(), ::tolower);
39         return c;
40     }
41
42     string toUpper(string str) {
43         string c(str);
44         std::transform(c.begin(), c.end(), c.begin(), ::toupper);
45         return c;
46     }
47
48     vector<string> ParseArrayArgument(string tag, vector<arg> args) {
49         tag = toLower(tag);
50         vector<string> ls;
51
52         for (int i = 0; i < args.size(); i++) {
53             if (args[i].id == tag)
54                 ls.push_back(args[i].value);
55         }
56
57         return ls;
58     }
59
60     string ParseArgument(string tag, vector<arg> args) {
61         tag = toLower(tag);
62         string s = "";
63
64         for (int i = 0; i < args.size(); i++) {
65             if (args[i].id == tag) {
66                 s = args[i].value;
67                 break;
68             }
69         }
70
71         return s;
72     }
73 }
```

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67         }  
68     }  
69  
70     return s;  
71 }  
72 }
```