```
1 #include <iostream>
 2 #include <string>
 3 #include <iomanip>
 4 #include "concordance.h"
 6 using namespace std;
 7
 8 int main() {
 9
        char exit = 'n';
10
        int choice;
        do {
11
12
            cout << left;</pre>
13
            cout << "What would you like to do?" << endl << endl;</pre>
            cout << setw(3) << "1" << setw(3) << "-" << "Display concordance" <</pre>
14
               endl;
            cout << setw(3) << "2" << setw(3) << "-" << "Display letter of</pre>
15
                                                                                            P
               concordance (A-Z)" << endl;</pre>
            cout << setw(3) << "3" << setw(3) << "-" << "Find Word" << endl;</pre>
16
            cout << setw(3) << "4" << setw(3) << "-" << "Exit" << endl << endl;</pre>
17
18
19
            cin >> choice;
20
21
            while (!cin) {
22
                 cin.clear();
23
                 cin.ignore(numeric_limits<streamsize>::max(), '\n');
24
                 cin >> choice;
25
            }
26
27
            concordance gettysburg;
28
            gettysburg.createFrom("gettysburg.txt");
29
30
            if (choice == 1) {
31
                 cout << endl;</pre>
32
                 gettysburg.display();
33
                 cout << endl;</pre>
34
35
                 cin.ignore();
36
            }
37
            else if (choice == 2) {
38
                 char character;
39
                 cout << "Choose a letter A-Z: ";</pre>
                 cin >> character;
40
41
                 while (!cin) {
42
43
                     cin.clear();
                     cin.ignore(numeric_limits<streamsize>::max(), '\n');
44
45
                     cin >> character;
                 }
46
47
```

```
...280_concordance_elliotShaw\280_concordance_elliotShaw.cpp
```

```
2
```

```
48
                 cout << endl;</pre>
49
50
                 gettysburg.display(character);
51
52
            }
            else if (choice == 3) {
53
                 string word;
54
55
                 cout << "What word would you like to know is in the concordance?: ";</pre>
56
                 cin >> word;
57
                 while (!cin) {
58
                     cin.clear();
59
                     cin.ignore(numeric_limits<streamsize>::max(), '\n');
60
61
                     cin >> word;
62
                 }
63
                 cout << endl;</pre>
65
                 if (gettysburg.existanceOf(word) == 1) {
66
67
                     cout << word << " is in the concordance" << endl << endl;</pre>
68
                 }
                 else {
69
                     cout << word << " is not in the concordance" << endl << endl;</pre>
70
71
                 }
72
73
            }
            else if (choice == 4) {
74
75
                 exit = 'y';
76
            }
77
            else {
                 cout << "That is not a choice try again." << endl;</pre>
78
79
80
        } while (exit != 'y');
81
        return 0;
82 }
```