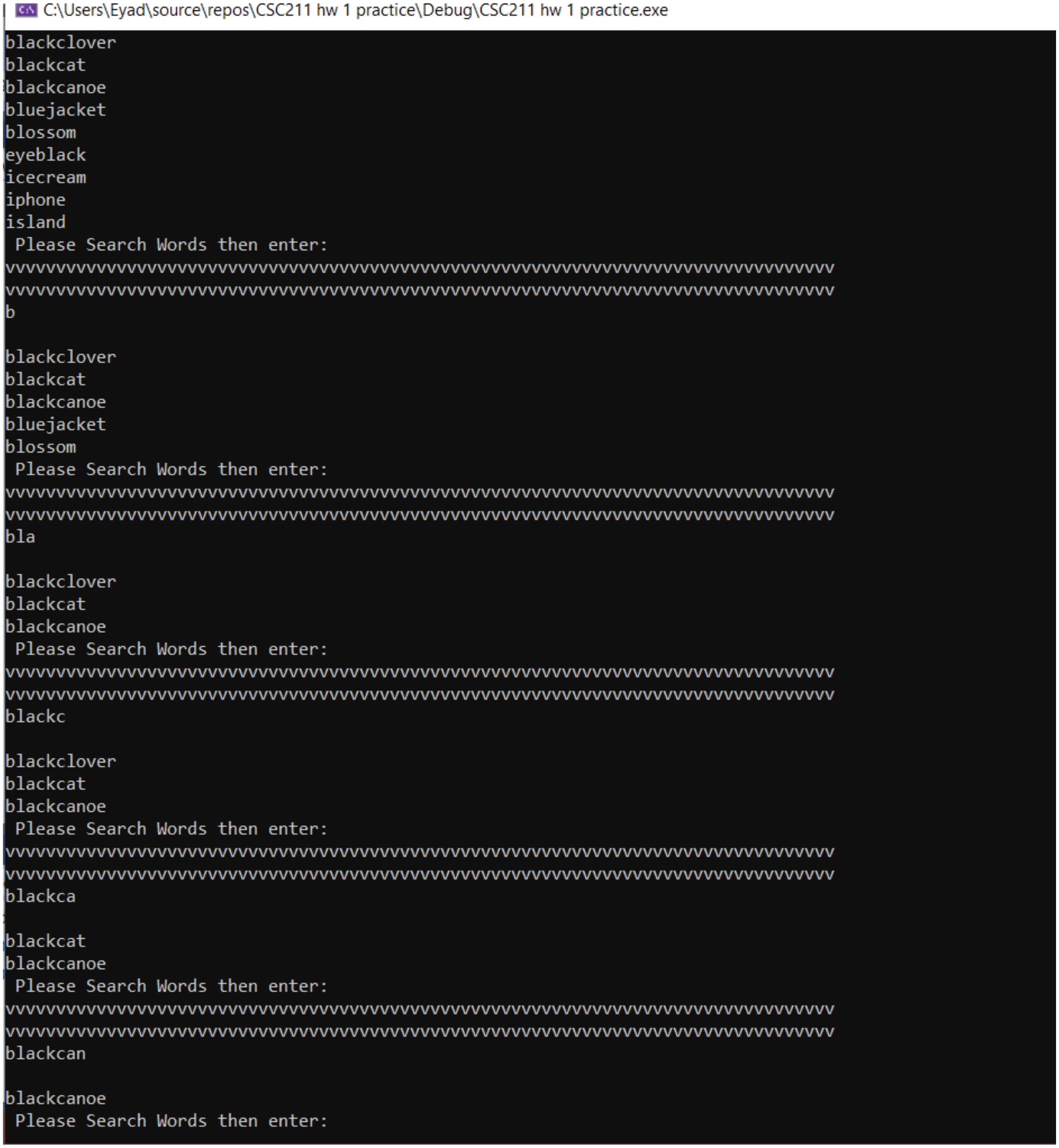
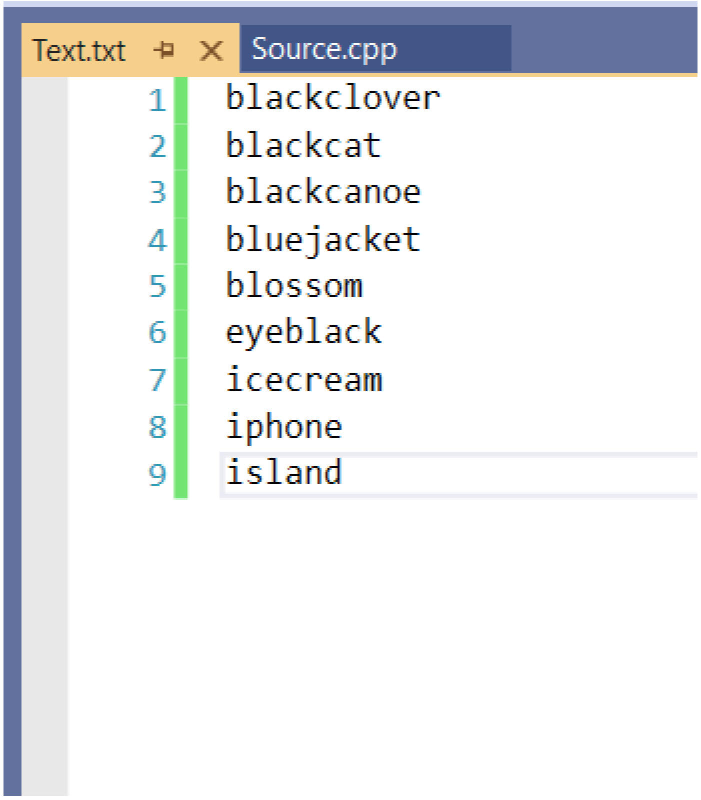
```
#include <fstream>
#include <iostream>
#include <string>
#include <vector>

using namespace std;
class Bag {

private:

    string word;
    vector<string> objects;

public:

    Bag(string name)
    {
        this->word = name;
    }

    void increase(string item)
    {
        objects.push_back(item);
    }

    void display()
    {
        for (int i = 0; i < objects.size(); i++) {

            cout << objects[i] << endl;
        }
    }

    void discover() {

        cout << "Bag: " << word << endl;
        for (int i = 0; i < objects.size(); i++)
        {

            cout << objects[i] << endl;
        }
    }

    void search()
    {
        string search;
        cout << " Please Search Words then enter: " << endl;
        cout <<
"vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv"
<< endl;
        cout <<
"vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv"
<< endl;
        cin >> search;

        cout << "" << endl;



        vector<string>::iterator me;
        me = find_if(objects.begin(), objects.end(), [search](string item)
            {
                return item.find(search) == 0; });

        if (search.length() < 0)
        {
            discover();
        }
        else {
            if (me != objects.end())
            {
                if (search.length() == (*me).length()) {
                    cout << *me << endl;
                }

                else {
                    cout << *me << endl;

                    me++;

                    while (me != objects.end()) {
                        if ((*me).find(search) == 0) {
                            cout << *me << endl;
                        }
                        me++;
                    }
                }
            }
            else {
            }
        }
    }
};

int main() {
    Bag bag("");
    ifstream file_("Text.txt");
    if (!file_) {
        cout << "file not open";
    }

    string toy;

    while (getline(file_, toy))
    {
        bag.increase(toy);
    }

    bag.display();
    do {
        bag.search();
    } while (true);

    return 0;
}
```


C:\Users\Eyad\source\repos\CSC211 hw 1 practice\Debug\CSC211 hw 1 practice.exe

```
blackclover
blackcat
blackcanoe
bluejacket
blossom
eyeblack
icecream
iphone
island
 Please Search Words then enter:
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
b

blackclover
blackcat
blackcanoe
bluejacket
blossom
 Please Search Words then enter:
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
bla

blackclover
blackcat
blackcanoe
 Please Search Words then enter:
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
blackc

blackclover
blackcat
blackcanoe
 Please Search Words then enter:
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
blackca

blackcat
blackcanoe
 Please Search Words then enter:
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
vvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvvv
blackcan

blackcanoe
 Please Search Words then enter:
```

TXT file:


Text.txt
Source.cpp

```
blackclover
blackcat
blackcanoe
bluejacket
blossom
eyeblack
icecream
iphone
island
```