

```

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

using namespace std;
class Node {

public:
    int data;
    Node* next = NULL;
    Node(int data) :data(data) {}
};

class LinkedList {
private:

    Node* head = NULL;
    Node* tail = NULL;
    string list;
    vector<string> arr;

    void swapValue(int& x, int& y) {
    bool append(int a);
    int search(int target);
    }

public:
    LinkedList(string name) {
        this->list = name;
    }

    void bank(string item) {
        arr.push_back(item);
    }
    void display() {
        for (int i = 0; i < arr.size(); i++) {

            cout << arr[i] << endl;
        }
    }
    void look() {

        cout << "Bag: " << list << endl;
        for (int i = 0; i < arr.size(); i++) {
            cout << arr[i] << endl;
        }
    }
}

```

```

void search() {

    string search;
    cout << " Search Word to Generate then Press Enter (Please start with capital word!!!): " << endl;
    cout << "" << endl;
    cin >> search;
    cout << "....." << endl;

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

    if (search.length() < 0) {
        look();
    }
    else {
        if (K != arr.end())
        {
            if (search.length() == (*K).length()) {
                cout << *K << endl;
            }
            else {
                cout << *K << endl;
                K++;

                while (K != arr.end()) {
                    if ((*K).find(search) == 0) {
                        cout << *K << endl;
                    }
                    K++;
                }
            }
        }
    }
    else {
        cout << "couldn't find the word you're looking for" << endl;
        cout << "....." << endl;
        cout << "" << endl;
        cout << " Try adding new value to the list (Please start with capital word!!!): " << endl;
        cout << "-" << endl;
        cout << "" << endl;
    }
}

};

int main() {

    LinkedList append();
    LinkedList goods("");

```

```

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

string keyword;
while (getline(file_, keyword)) {

    goods.bank(keyword);
}
goods.display();
do {
    goods.search();
} while (true);
system("pause");
return 0;
}

```

```

Basketball
Baseball
Boxing
Badminton
Golf
Tennis
Table Tennis
Running
Soccer
Volleyball
    Search Word to Generate then Press Enter (Please start with capital word!!!):
B
.....
Basketball
Baseball
Boxing
Badminton
    Search Word to Generate then Press Enter (Please start with capital word!!!):
H
.....
couldn't find the word you're looking for
.....
y) {
    Try adding new value to the list (Please start with capital word!!!):
    -
    Search Word to Generate then Press Enter (Please start with capital word!!!):
Hockey_

size(); i++) {
dl;

```