```cpp
1  /*
2  ALEX FRIEDBERG
3
4  tree .cpp
5  */
6
7  #include "stdafx.h"
8  #include <iostream>
9  #include <fstream>
10 #include <string>
11 #include <sstream>
12 #include "show.h"
13
14 using namespace std;
15
16 show::show() {
17     name = "";
18     url = "";
19     yearStart = 0000;
20     yearEnd = 0000;
21     category = "";
22
23     actors = new linklist;
24 }
25
26 void show::parseNameAndDates(string line)
27 {
28     int dateIndex = line.find("(");
29     this->name = line.substr(0, dateIndex - 1);
30     this->yearStart = stoi(line.substr(dateIndex+1, 4));
31     this->yearEnd = stoi(line.substr(dateIndex+6, 4));
32
33 }
34
35 void show::parseCategory(string line)
36 {
37     this->category = line;
38 }
39
40 void show::parseURL(string line)
41 {
42     this->url = line;
43
44 }
45
46 void show::parseActor(string line) {
47     this->actors->addAtEnd(line);
48 }
49
```

```cpp
50
51  void show::printShow()
52  {
53      cout << name << ", " << yearStart << ", " << yearEnd << endl;
54      cout << category << endl;
55      cout << url << endl;
56      actors->printList();
57      cout << endl;
58  }
59
60  bool show::isSameShow(show *otherShow) {
61      if (this->name.compare(otherShow->name) != 0)
62          return false;
63      if (this->category.compare(otherShow->category) != 0)
64          return false;
65      if (this->url.compare(otherShow->url) != 0)
66          return false;
67      if (this->yearStart != otherShow->yearStart || this->yearEnd != otherShow-
          >yearEnd)
68          return false;
69      if (this->actors->countList() != otherShow->actors->countList())
70          return false;
71      for (int i = 0; i < this->actors->countList(); i++) {
72          if (this->actors->getData(i).compare(otherShow->actors->getData(i)) !=
              0)
73              return false;
74      }
75
76
77      return true;
78  }
79
80  bool show::containsActorName(string actorToFind)
81  {
82      for (int i = 0; i < this->actors->countList(); i++) {
83          if (this->actors->getData(i).compare(actorToFind) == 0)
84              return true;
85      }
86      return false;
87  }
88
89  int show::getStartYear()
90  {
91      return this->yearStart;
92  }
93
94  int show::getEndYear()
95  {
96      return this->yearEnd;
```

```
 97  }
 98
 99  string show::getName() {
100      return this->name;
101  }
102
103  void show::printActors(){
104      this->actors->printList();
105  }
```