```
1 **********************************
2 *
    PROGRAMMED BY: Andrew Gharios
3 *
    STUDENT ID : 1449366
4
    CLASS
           : M-Th 5-7:20p
    ASSIGNMENT #5 : OPP - DVD Movie List
6 *******************
 *****************************
8 Title: Antwone Fisher
 ______
10 Year: 2002
          Rating: 7
11 -----
                       Genre 1: Biography
12 Leading Actor: Denzel Washington
13 Supporting Actor: Derek Luke
                        Genre 2: Drama
14 -----
15 PLOT:
16 Antwone Fisher, a young navy man, is forced to see a psychiatrist after a
17 violent outburst against a fellow crewman. During the course of treatment a
 painful past is revealed and a new hope begins.
 *************************
20
21
23 Title: Bagger Vance, The Legend of
24 ------
25 Year: 2000
           Rating: 6
26 -----
27 Leading Actor: Will Smith
                       Genre 1: Drama
28 Supporting Actor: Matt Damon
                        Genre 2: Drama
29 -----
30 PLOT:
31 A down-and-out golfer attempts to recover his game and his life with help
32 from a mystical caddy
 ******************************
33
34
35
37 Title: Cinderella Man
38 -----
39 Year: 2005
          Rating: 8
40 -----
41 Leading Actor: Russell Crowe
                        Genre 1: Biography
42 Supporting Actor: Renee Zellweger Genre 2: Drama
43 -----
44 PLOT:
45 The story of James Braddock, a supposedly washed up boxer who came back to
46 become a champion and an inspiration in the 1930s.
 ****************************
48
49
```

```
51 Title: Five People You Meet in Heaven, The
52 -----
53 Year: 2004
             Rating: 7
54 -----
55 Leading Actor:
             Jon Voight
                            Genre 1: Drama
56 Supporting Actor: Ellen Burstyn Genre 2: Drama
57 -----
58 PLOT:
59 On his 83rd birthday, Eddie (Voight), a war vet and a maintenance worker at
60 the Ruby Pier amusement park, dies while trying to save a girl who is
61 sitting under a falling ride. When he awakens in the afterlife, he
62 encounters five people with ties to his corporeal existence who help him
  understand the meaning of his life.
  ******************************
64
65
66
67 ***************************
68 Title: Good Night, Good Luck
69 -----
70 Year: 2005
             Rating: 8
71 -----
             David Strathairn
72 Leading Actor:
                            Genre 1: Biography
73 Supporting Actor: George Clooney
                          Genre 2: Drama
74 -----
75 PLOT:
76 In the early 1950's, the threat of Communism created an air of paranoia in
77 the United States and exploiting those fears was Senator Joseph McCarthy of
78 Wisconsin. However, CBS reporter Edward R. Murrow and his producer Fred W.
79 Friendly decided to take a stand and challenge McCarthy and expose him for
80 the fear monger he was. However, their actions took a great personal toll
81 on both men, but they stood by their convictions and helped to bring down
  one of the most controversial senators in American history.
  ****************************
84
85
87 Title: Invictus
88 ------
89 Year: 2009
             Rating: 8
90 -----
91 Leading Actor:
             Morgan Freeman
                          Genre 1: Biography
92 Supporting Actor: Matt Damon
                           Genre 2: Drama
93 -----
94 PLOT:
95 Nelson Mandela, in his first term as the South African President, initiates
96 a unique venture to unite the apartheid-torn land: enlist the national
97 rugby team on a mission to win the 1995 Rugby World Cup.
```

```
99
100
101
  *******************************
102 Title: Miss Petigrew Lives for a Day
103 -----
104 Year: 2008
            Rating: 7
105 -----
106 Leading Actor: Frances McDomand
                          Genre 1: Comedy
107 Supporting Actor: Amy Adams
                          Genre 2: Romance
108 -----
109 PLOT:
110 Guinevere Pettigrew, a middle-aged London governess, finds herself unfairly
111 dismissed from her job. An attempt to gain new employment catapults her
112 into the glamorous world and dizzying social whirl of an American actress
113 and singer, Delysia Lafosse.
  *************************
115
116
118 Title: Pay it Forward
119 -----
120 Year: 2000
            Rating: 7
121 -----
122 Leading Actor: Kevin Spacey
                         Genre 1: Drama
123 Supporting Actor: Helen Hunt
                          Genre 2: Romance
124 -----
125 PLOT:
126 Like some other kids, 12-year-old Trevor McKinney believed in the goodness
127 of human nature. Like many other kids, he was determined to change the
128 world for the better. Unlike most other kids, he succeeded.
130
131
133 Title: Pianist, The
134 -----
135 Year: 2003
             Rating: 9
136 -----
137 Leading Actor: Adrien Brody Genre 1: Biogra138 Supporting Actor: Thomas Kreschmann Genre 2: Drama
                         Genre 1: Biography
140 PLOT:
141 A Polish Jewish musician struggles to survive the destruction of the Warsaw
142 ghetto of World War II.
  *************************
143
144
145
147 Title: Pirates of the Caribbean 1: The Curse of the Bl...
```

```
_____
149 Year: 2003
            Rating: 8
150
151 Leading Actor:
            Johnny Depp
                          Genre 1: Action
152 Supporting Actor: Orlando Bloom
                         Genre 2: Action
153 -----
154 PLOT:
155 This swash-buckling tale follows the quest of Captain Jack Sparrow, a savvy
156 pirate, and Will Turner, a resourceful blacksmith, as they search for
157 Elizabeth Swann. Elizabeth, the daughter of the governor and the love of
158 Will's life, has been kidnapped by the feared Captain Barbossa. Little do
159 they know, but the fierce and clever Barbossa has been cursed. He, along
160 with his large crew, is under an ancient curse, doomed for eternity to
161 neither live, nor die. That is, unless a blood sacrifice is made. Full of
162 edge-of-the-seat action and swashbuckling adventures, this is a movie you
163 won't want to miss!
165
166
168 Title: Pursuit of Happyness
169 -----
170 Year: 2008
            Rating: 8
171 ------
172 Leading Actor: Will Smith
                          Genre 1: Biography
173 Supporting Actor: Jaden Smith
                         Genre 2: Drama
174 -----
175 PLOT:
176 A struggling salesman takes custody of his son as he's poised to begin a
177 life-changing professional endeavor.
179
180
182 Title: Rent
183 -----
184 Year: 2005
            Rating: 7
185 ------
186 Leading Actor: Anthony Rapp
                         Genre 1: Musical
                        Genre 2: Drama
187 Supporting Actor: Adam Pascal
188 -----
189 PLOT:
190 This is the film version of the Pulitzer and Tony Award winning musical
191 about Bohemians in the East Village of New York City struggling with life,
192 love and AIDS, and the impacts they have on America.
194
195
```

```
197 Title: Secondhand Lions
198 -----
199 Year: 2003 Rating: 8
200 -----
201 Leading Actor: Haley Joel Osmet Genre 1: Comedy 
202 Supporting Actor: Robert Duvall Genre 2: Comedy
203 -----
204 PLOT:
205 A coming-of-age story about a shy, young boy sent by his irresponsible
206 mother to spend the summer with his wealthy, eccentric uncles in Texas.
  *************************
208
209
211 Title: Shackelton
212 ------
213 Year: 2002
           Rating: 8
215 Leading Actor: Kenneth Branagh Genre 1: Biography
                      Genre 2: Drama
216 Supporting Actor: John Grillo
217 -----
218 PLOT:
219 The true story of Shackleton's 1914 Endurance expedition to the the South
220 Pole and his epic struggle to lead his 28 man crew to safety after his ship
221 was crushed in the pack ice.
  *******************************
222
223
224
226 Title: Shawshank Redemption, The
227 ------
         Rating: 9
228 Year: 1994
229 -----
           Tim Robbins
230 Leading Actor:
                      Genre 1: Drama
231 Supporting Actor: Morgan Freeman Genre 2: Crime
232 -----
233 PLOT:
234 Two imprisoned men bond over a number of years, finding solace and eventual
235 redemption through acts of common decency.
237
238
240 Title: Thelma and Louise
241 -----
242 Year: 1991 Rating: 7
243 -----
                      Genre 1: Action
244 Leading Actor: Susan Sarandon
                      Genre 2: Action
245 Supporting Actor: Geena Davis
```

```
247 PLOT:
248 Whilst on a short weekend getaway, Louise shoots a man who had tried to
249 rape Thelma. Due to the incriminating circumstances, they make a run for it
250 but are soon followed closely by the authorities including a local
251 policeman who is sympathetic to their plight. The federal authorities,
252 however, have less compassion and thus a cross country chase ensues for the
253 two fugitives. Along the way, both women rediscover the strength of their
254 friendship and surprising aspects of their personalities and self-strengths
255 in the trying times.
  *************************
257
258
260 Title: Unfinished Life, An
261 -----
262 Year: 2005
             Rating: 7
263 -----
264 Leading Actor:
             Robert Redford
                           Genre 1: Drama
265 Supporting Actor: Jennifer Lopez
                           Genre 2: Drama
266 -----
267 PLOT:
268 A down on her luck woman, desperate to provide care for her daughter, moves
269 in with her father in-law from whom she is estranged. Through time, they
270 learn to forgive each other and heal old wounds.
272
273
275 Title: Whip It
276 -----
277 Year: 2009
             Rating: 7
278 -----
                           Genre 1: Drama
279 Leading Actor: Ellen Page
280 Supporting Actor: Marcia Gay Harden
                           Genre 2: Sport
281 -----
282 PLOT:
283 In Bodeen, Texas, an indie-rock loving misfit finds a way of dealing with
284 her small-town misery after she discovers a roller derby league in nearby
285 Austin.
  *************************
286
287
288
290 Title: X-Men
291 -----
292 Year: 2000
             Rating: 7
293 -----
             Hugh Jackman
294 Leading Actor:
                            Genre 1: Action
```

295	Supporting Actor:	Patrick Stewart	Genre 2: Action			
296						
297	PLOT:					
298	All over the plane	et, unusual children a	re born with an add	ded twist to their		
299	genetic code. This X-factor allows the children to perform extraordinary					
300	feats - flight, telekinetics, laser beams from the eyes and more. One Dr.					
301	Charles Xavier gathers the children to a place where he can train them to					
302	use their powers for themselves and the forces of good he dubs these					
303	children his X-men and hijinks ensue.					
304	************************					
305						
306						
307	***********************					
308	Title: Yankee Doodle Dandee					
309						
310	Year: 1942	Rating: 8				
311						
312	Leading Actor:	James Cagney	Genre 1: Musical			
313	Supporting Actor:	Joan Leslie	Genre 2: Biograp	ny		
314						
315	PLOT:					
316	This film depicts	the life of the renow	ned musical compos	er, playwright,		
317	· · · · · · · · · · · · · · · · · · ·					
318	**********	*********	*******	*******		
319						
220						

31 Writing output file OutFile.txt

```
******************
2
      PROGRAMMED BY : Andrew Gharios
3
      STUDENT ID
                   : 1449366
      CLASS
                   : M-Th 5-7:20p
      ASSIGNMENT #5 : OPP - DVD Movie List
  *********************
  Which input file would you like to use? inFile.txt
   Which output file would you like to use? OutFile.txt
9
10 Name: Yankee Doodle Dandee
11 Name: X-Men
12 Name: Whip It
13 Name: Unfinished Life, An
14 Name: Thelma and Louise
15 Name: Shawshank Redemption, The
16 Name: Shackelton
17 Name: Secondhand Lions
18 Name: Rent
19 Name: Pursuit of Happyness
20 Name: Pirates of the Caribbean 1: The Curse of the Black Pearl
21 Name: Pianist, The
22 Name: Pay it Forward
23 Name: Miss Petigrew Lives for a Day
24 Name: Invictus
25 Name: Good Night, Good Luck
26 Name: Five People You Meet in Heaven, The
27 Name: Cinderella Man
28 Name: Bagger Vance, The Legend of
29 Name: Antwone Fisher
30
```

```
1 #ifndef HEADER H
2 #define HEADER H
4 #include <iostream> // cin, cout.
 5 #include <string> // string datatype variables.
6 #include <fstream> // Fstream files.
7 #include <iomanip> // fixed, setw, setprecision.
8 #include <ostream>
9 #include <sstream>
10 using namespace std;
12 enum Menu {
13
       EXIT = 0,
14
       OutputList,
15
       TitleSearch,
       GenreSearch,
16
17
       ActorSearch,
18
       YearSearch,
19
       RatingSearch,
20 };
21
22 struct DVDNode
23 {
24
       string title;
25
       string leadAct;
26
       string supAct;
27
       string genre;
28
       string altGenre;
29
       int
              year;
30
       int
              rating;
31
       string synop;
32
       DVDNode* next;
33 };
34
35 const int ColSpace = 18; // CALC - Column setw space size.
36
37 #endif
38
39
```

```
C:\Users\smgne\source\repos\AS 5\AS 5\Source.cpp
```

```
1 #include "Header.h"
2 #include "Movie.h"
3 #include "Stack.h"
4
    **********************
   **
6 * OPP - DVD Movie List.
7 *-----
8 * This program will keep track of all the Dvds for the user and display them
9 * into an output file.
10 *-----
11 * INPUT:
12 * userInFile : Input file name.
13 * userOFile : Output file name.
/
15 int main()
16 {
17
      ****************************
     * CONSTANTS
     * ______
19
20
     * OUTPUT - USED FOR CLASS HEADING
     * ______
21
22
     * PROGRAMMER : Programmer's Name
23
     * CLASS
           : Student's Course
24
     * SECTION : Class Days and Times
25
     * LAB_NUM : Lab Number (specific to this lab)
     * LAB NAME : Title of the Lab
26
     27
28
     const string AS_NAME = "OPP - DVD Movie List";
29
30
     const int AS_NUM = 5;
     const string STUDENT_NAME = "Andrew Gharios";
31
32
     const string CLASS INFO = "M-Th 5-7:20p";
33
     const char AS_TYPE = 'A';
34
     const long long STUDENT_ID = 1449366;
35
36
     MovieList movie; // CALC - Movies list.
     string userInFile; // IN & CALC - User input file.
37
38
     string userOFile; // IN & CALC - User output file.
39
40
     cout << left;</pre>
     41
     cout << "* PROGRAMMED BY : " << STUDENT_NAME << endl;</pre>
42
     cout << "* " << setw(14) << "STUDENT ID " << ": " << STUDENT ID << endl;</pre>
43
     cout << "* " << setw(14) << "CLASS " << ": " << CLASS_INFO << endl;</pre>
44
```

```
C:\Users\smgne\source\repos\AS 5\AS 5\Source.cpp
```

```
2
```

```
cout << "* ";
46
47
       // PROCESSING - This will adjust setws and format appropriately based
48
                       on if this is a lab 'L' or assignment
       //
49
50
       if (toupper(AS_TYPE) == 'L')
51
       {
52
           cout << "LAB #" << setw(9);</pre>
53
       }
54
       else
55
       {
           cout << "ASSIGNMENT #" << setw(2);</pre>
56
57
58
       cout << AS NUM << ": " << AS NAME << endl;</pre>
       59
60
       cout << right << endl;</pre>
61
62
63
       cout << "Which input file would you like to use? ";</pre>
       getline(cin, userInFile);
64
       cout << "Which output file would you like to use? ";</pre>
65
       getline(cin, userOFile);
66
67
       cout << endl;</pre>
68
69
       movie.CreateList(userInFile);
70
       movie.DisplayList(userOFile);
71
72
       return 0;
73 }
74
75
76
77
78
```

```
1 #ifndef STACK H
2 #define STACK_H_
4 #include "Header.h"
6 class StackList
7 {
8 public:
9
       StackList(); // CONSTRUCTOR
10
11
       ~StackList(); // DECONSTRUCTOR
12
       /************
13
       **
14
             MUTATORS
       ****************/
15
       void Push(DVDNode newDVD); // Adds a new Node to the list.
16
17
       DVDNode Pop(); // Removes first node and returns it.
18
19
       /*************
20
21
             ACCESSORS
       ****************/
22
23
       bool isEmpty() const; // Returns if list is empty.
24
       DVDNode Peek() const; // Returns the first object of the list.
       int Size() const; // Returns the size of the list.
25
26
27 protected:
28
       DVDNode* head;
                      // CALC - Stack head pointer.
29
               stackCount; // CALC - Amount of objects in stack.
30 };
31
32 #endif
```

```
1 #include "Header.h"
 2 #include "Stack.h"
4 StackList::StackList() // CONSTRUCTOR
 5 {
 6
       head = NULL;
 7
       stackCount = 0;
 8 }
9
10 StackList::~StackList() // DECONSTRUCTOR
       DVDNode* dvdPtr; // CALC - Dvd pointer.
12
13
14
       dvdPtr = head;
15
16
       while (dvdPtr != NULL)
17
        {
18
           head = head->next;
19
           delete dvdPtr;
20
           dvdPtr = head;
21
       }
22 }
23
24 void StackList::Push(DVDNode newDVD)
25 {
26
       DVDNode* dvdPtr; // CALC - Dvd pointer.
27
       dvdPtr = new DVDNode;
28
29
       *dvdPtr = newDVD;
30
31
       dvdPtr->next = head;
32
       head = dvdPtr;
33 }
34
35 DVDNode StackList::Pop()
36 {
37
       DVDNode* dvdPtr; // CALC - Dvd pointer.
38
39
       dvdPtr = head;
40
       head = dvdPtr->next;
41
       delete dvdPtr;
42
       dvdPtr = NULL;
43
44
       return *head;
45 }
46
47 bool StackList::isEmpty() const
48 {
49
       if (head == NULL)
```

```
C:\Users\smgne\source\repos\AS 5\AS 5\Stack.cpp
```

```
2
```

```
{
51
        return true;
52
53
    else
54
    {
55
        return false;
56
     }
57 }
58
59 DVDNode StackList::Peek() const
61
     return *head;
62 }
63
64 int StackList::Size() const
66
     DVDNode* ptr; // CALC - DVDpointer.
     int counter; // CALC - List counter.
67
68
69
     counter = 0;
70
71
    while (ptr != NULL)
72
73
        counter++;
74
        ptr = ptr->next;
75
     }
     return counter;
76
77 }
78
79 /
    80 * Push
81 * This method will create a node and add it to the front.
82 * INPUTS:
83 * newDVD : new DVD node.
84 *
85 * No outputs.
86 *
    87
88 /
    *************************
90 * This method will remove the first object and return it.
91 * No inputs.
92 *
```

```
1 #ifndef MOVIE H
2 #define MOVIE H
4 #include "Header.h"
 5 #include "Stack.h"
 7 class MovieList : public StackList
8 {
9 public:
       MovieList(); // DECONSTRUCTOR
10
11
       ~MovieList(); // CONSTRUCTOR
12
       /************
13
        **
14
             MUTATORS
        *****************/
15
       void CreateList(string IFileName);
                                                  // Creates a lit of DVDs.
16
17
       void DisplayList(string outputFileName) const; // Displays the list of
         DVDs.
18
19 private:
       /*************
20
21
             ACCESSORS
22
        ***************/
       string WordWrap(string plot) const; // returns plot limited to characters
23
         per line.
       string TitleString(string title) const; // returns the Title without
24
         exceeding limit.
25
       void
             PrintHeader(ostream& oFile) const; // Outputs the class header to
                                                                               P
         Ofile.
26 };
27
28 #endif
```

```
1 #include "Header.h"
 2 #include "Movie.h"
4 MovieList::MovieList(){}
 5 MovieList::~MovieList(){}
 7 void MovieList::CreateList(string inFileName)
 8 {
 9
       DVDNode* dvdPtr; // CALC - DVD pointer.
10
       dvdPtr = new DVDNode;
11
12
       ifstream inFile;
13
       inFile.open(inFileName.c_str());
14
15
       while (inFile)
16
       {
17
            getline(inFile, dvdPtr->title);
18
            getline(inFile, dvdPtr->leadAct);
19
            getline(inFile, dvdPtr->supAct);
20
            getline(inFile, dvdPtr->genre);
21
            getline(inFile, dvdPtr->altGenre);
22
            inFile >> dvdPtr->year;
23
            inFile.ignore(10000, '\n');
24
            inFile >> dvdPtr->rating;
25
            inFile.ignore(10000, '\n');
26
            getline(inFile, dvdPtr->synop);
27
            inFile.ignore(10000, '\n');
28
29
            cout << "Name: " << dvdPtr->title << endl;</pre>
30
31
            Push(*dvdPtr);
32
        }
33
       delete dvdPtr;
34
       dvdPtr = NULL;
       inFile.close();
35
36 }
37
38 void MovieList::DisplayList(string outputFileName) const
39 {
40
       DVDNode* dvdPtr; // CALC
                                   - DVD pointer
41
        int counter; // CALC - Counter
42
       ofstream oFile; // CALC & OUT - Output file variable.
43
44
       counter = 1;
45
       dvdPtr = head;
46
47
       oFile.open(outputFileName.c_str());
48
49
       PrintHeader(oFile);
```

```
C:\Users\smgne\source\repos\AS 5\AS 5\Movie.cpp
```

```
50
51
      cout << "\nWriting output file " << outputFileName << endl;</pre>
52
53
      while (dvdPtr != NULL)
54
55
         oFile << left;
56
         oFile <<
           ****** << endl;
         oFile << "Title: " << TitleString(dvdPtr->title) << endl;
57
         oFile << "Title: " << TitleString(dvdPtr->title) << endl;
58
59
         oFile <<
           "_____
           ----- << endl;
60
         oFile << "Year: " << setw(ColSpace - 6) << dvdPtr->year << "Rating: " →
           << dvdPtr->rating << endl;</pre>
61
         oFile <<
           "______
           -----" << endl;
         oFile << setw(ColSpace) << "Leading Actor: " << setw(ColSpace + 5) << →
62
           dvdPtr->leadAct << "Genre 1: ";</pre>
63
         oFile << dvdPtr->genre << endl;
         oFile << setw(ColSpace) << "Supporting Actor: " << setw(ColSpace + 5) →
           << dvdPtr->supAct << "Genre 2: ";</pre>
65
         oFile << dvdPtr->altGenre << endl;
         oFile <<
66
                                                                    P
           "______
           ----- << endl;
67
         oFile << "PLOT:\n";
68
         oFile << WordWrap((*dvdPtr).synop);</pre>
69
           ******* << endl;
70
         oFile << endl << endl;
71
         oFile << right;
72
         counter++;
73
         dvdPtr = dvdPtr->next;
74
75
      oFile.close();
76 }
77
78 string MovieList::WordWrap(string title) const
79 {
80
      const int MAX = 75; // CALC - Maximum characters per line.
81
82
      ostringstream stream; // Stringstream output variable
83
      string word; // CALC & OUT - Temp word memory.
84
      string line; // CALC & OUT - Temp line memory.
85
```

```
86
        word = "";
 87
        line = "";
 88
 89
        for (unsigned int i = 0; i < title.length(); i++)</pre>
 90
            if (title[i] != ' ')
 91
 92
            {
 93
                word += title[i];
 94
            }
 95
            else
 96
            {
 97
                if (line.length() + word.length() > MAX)
 98
99
                    stream << line << endl;</pre>
                    line = "";
100
101
                line += word + " ";
102
103
                word.clear();
104
            if (i == title.length() - 1)
105
106
                if (line.length() + word.length() > MAX)
107
108
                {
109
                    stream << line << endl;</pre>
110
                    line.clear();
111
                line += word + " ";
112
113
                stream << line;</pre>
114
                return stream.str();
115
            }
116
        }
117 }
118
119 string MovieList::TitleString(string title) const
120 {
121
        const int MAX = 50; // CALC - Maximum characters per title.
122
123
        if (title.length() > MAX)
124
125
            title = title.substr(0, MAX - 3) + "...";
126
        }
127
        return title;
128 }
129
130 void MovieList::PrintHeader(ostream& oFile) const
131 {
132
          ***********************
```

```
C:\Users\smgne\source\repos\AS 5\AS 5\Movie.cpp
                                                                   4
      * CONSTANTS
134
                                                                   P
       * OUTPUT - USED FOR CLASS HEADING
136
        -----P
137
      * PROGRAMMER : Programmer's Name
138
      * CLASS : Student's Course
      * SECTION : Class Days and Times
139
140
      * LAB NUM : Lab Number (specific to this lab)
      * LAB NAME : Title of the Lab
141
      142
143
144
      const string AS NAME = "OPP - DVD Movie List";
145
      const int AS NUM = 5;
      const string STUDENT NAME = "Andrew Gharios";
146
147
      const string CLASS INFO = "M-Th 5-7:20p";
148
      const char AS TYPE = 'A';
149
      const long long STUDENT_ID = 1449366;
150
151
      oFile << left;
      152
       \n";
153
      oFile << "*
                 PROGRAMMED BY : " << STUDENT NAME << endl;</pre>
      oFile << "*
                  " << setw(14) << "STUDENT ID " << ": " << STUDENT_ID <<
       endl;
      oFile << "*
                 " << setw(14) << "CLASS " << ": " << CLASS INFO << endl;
155
156
      oFile << "*
157
158
      // PROCESSING - This will adjust setws and format appropriately based
159
                  on if this is a lab 'L' or assignment
160
161
      if (toupper(AS TYPE) == 'L')
162
163
          oFile << "LAB #" << setw(9);
164
       }
165
      else
166
       {
          oFile << "ASSIGNMENT #" << setw(2);
167
168
      oFile << AS_NUM << ": " << AS_NAME << endl;
169
      170
171
      oFile << right << endl;
172 }
173
174 /
```

```
175 * CreateList
176 * This method will create a list for all the DVDs
177 * INPUTS:
178 *
    inFileName : name of input file.
179 *
180 * No outputs.
181 *
   182
183 /
   184 * DisplayList
185 * This method will display the entire list of DVDs to the output file.
187 * outFileName : output file name.
188 *
189 * No outputs.
   191
192 /
   **************************
193 * WordWrap
194 * This method limit the amounts of characters outputted per line.
195 * INPUTS:
196 * title : Text to word wrap.
197 *
198 * OUPUTS:
199 * title : Text that is word wrapped.
200 *
   201
202 /
   203 * TitleString
204 * This method will make sure the title doesn't exceed the maximum amount.
205 * INPUTS:
    title : Text to word wrap.
206 *
207 *
208 * OUPUTS:
209 * title : Text that is word wrapped.
```

C:\L	Jse	ers\smgne\source\repos\AS 5\AS 5\Movie.cpp	6
210	*		7
		*************************	P
		*/	
211			
212	/		P
		*************************	P
		**	
213	*	PrintHeader	
214	*	This method will output the class header into the outputfile.	
215	*	INPUTS:	
216	*	oFile : Output file ostream variable.	
217	*		
218	*	No outputs.	
219	*		P
		*************************	P
		*/	
220			
221			