

PrintMenu.cpp

```
1 /*****
2 * PROGRAMMER : Ali Eshghi
3 * STUDENT ID : 1112261
4 * CLASS      : CS1B
5 * SECTION    : MW 7:30pm
6 * Assign #3  : Searching linked list
7 * DUE DATE   : 6 November 2019
8 *****/
9
10 #include "Header.h"
11
12 /*****
13 * Function - PrintMenu
14 * -----
15 * This function will output menu option to the screen and waits for the user to
16 * input an option to what to what to do. The options are as following:
17 *
18 * 1 - Output Entire List
19 * 2 - Title Search
20 * 3 - Genre Search
21 * 4 - Actor Search
22 * 5 - Year Search
23 * 6 - Rating Search (0-9)
24 * 0 - Exit
25 *
26 * return type - Integer
27 *****/
28
29 int PrintMenu()
30 {
31
32     /*****
33     * VARIABLES *
34     *****/
35
36     int option;          //IN & PROCESS - users choice for the menu
37
38     bool checkInp;       //PROCESS      - LCV for checking the user's input
39
40     /*****
41     * INITIALIZING *
42     *****/
43
44     checkInp = false;
45
46     do
47     {
48         //INPUT
49
50         cout << "DVD MENU OPTIONS" << endl << endl;
51         cout << "1 - Output Entire List" << endl;
52         cout << "2 - Title Search" << endl;
53         cout << "3 - Genre Search" << endl;
54         cout << "4 - Actor Search" << endl;
55         cout << "5 - Year Search" << endl;
```

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56     cout << "6 - Rating Search (0-9)"          << endl;
57     cout << "0 - Exit"                        << endl;
58     cout << "Enter an option (0 to exit): ";
59
60     //CHECKS FOR THE CHAR INPUT
61
62     if (!(cin >> option))
63     {
64
65         cin.clear();
66         cin.ignore(numeric_limits<streamsize>::max(), '\n');
67
68         cout << endl;
69         cout << "**** Please input a NUMBER between 0 and 6 ****";
70         cout << endl;
71
72         checkInp = false;
73
74     }
75
76     //CHECKS FOR THE RANGE ERROR
77
78     else if (option > 6 || option < 0)
79     {
80
81         cout << endl;
82         cout << "**** The number "                << option
83             << " is an invalid entry      ****" << endl;
84         cout << "**** Please input a number between 0 and 6 ****";
85         cout << endl;
86
87         checkInp = false;
88
89     }
90
91     //PASS
92
93     else
94     {
95
96         cin.ignore(numeric_limits<streamsize>::max(), '\n');
97         checkInp = true;
98
99     }
100
101 }while(!checkInp);
102
103 //RETURN OPTION
104
105 return option;
106
107 }
108
109

```