CMP-4008Y Assignment 1 - Offline Movie Database (OMDB)

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Contents

Movie.java
MovieDatabase.java
OMDB.java
Application
Compiler Invocation
Compiler Messages
Application Invocation
Messages to STDOUT
Messages to STDERR

Movie.java 100263247 (uxk18qau)

Movie.java

```
package omdb;
  public class Movie
  {
       //creates all the variables about the movie
       private final String title;
       private final String certificate;
       private final int year;
       private final int runtime;
       private final int rating;
       private final String[] genre;
       //constructor
       public Movie(String title,int year,String certificate,String[] genre,int
13
          runtime,int rating)
           //sets all the peices of information to the information specified
           this.title = title;
           this.year = year;
17
           this.certificate = certificate;
           this.genre = genre;
19
           this.runtime = runtime;
           this.rating = rating;
21
       }
       //accessors
23
       public String getTitle()
25
       {
           return title;
       }
27
       public int getYear()
29
           return year;
31
       public String getCertificate()
33
           return certificate;
35
        public String[] getGenre()
37
           return genre;
39
        public int getRuntime()
           return runtime;
       }
43
         public int getRating()
           return rating;
47
       //toString
       @Override
       public String toString()
51
           String subGenre = genre[0]; //adds all the genres into a string
           if (genre.length > 0); //if there is more than 1 genre
               //goes through all the genres
55
               for (int i = 1; i < genre.length; ++i)</pre>
               {
                    subGenre += "/" + genre[i];//adds the genres together
               }
           }
```

```
String str = "Title: " + title + "\nYear of release: " + Integer.toString
61
               (year) + "\nCertifiicate: " + certificate + "\nGenres: " + subGenre +
                "\nRuntime: " + Integer.toString(runtime) + "\nRating " + Integer.
               toString(rating)+"\n";//all information about a movie displayed
               together
           return str;
       }
       public String toLine()
65
           String subGenre = genre[0];
           if (genre.length > 0);
                for (int i = 1; i < genre.length; ++i)</pre>
69
                    subGenre += "/" + genre[i];
                }
           }
73
           String str = '"' + title + "\"," + Integer.toString(year) + ",\"" +
               certificate + "\",\"" + subGenre + "\"," + Integer.toString(runtime)
               + "," + Integer.toString(rating);
           return str;
75
       }
       //comparable
77
       public int compareTo(final Movie other, String entity)
79
           switch (entity) {
                case "year":
                    return Integer.compare(this.year, other.year);
                case "runtime":
                    return Integer.compare(this.runtime, other.runtime);
                case "titlelength":
85
                    if (this.title.length() < other.title.length())</pre>
                    {
87
                        return 1;
                    }
                    else if (this.title.length() > other.title.length())
                        return -1;
                    }
93
                    else
                    {
95
                        return 0;
                    }
97
                default:
                    return Integer.compare(this.rating, other.rating);
99
           }
       }
101
   }
```

MovieDatabase.java 100263247 (uxk18qau)

MovieDatabase.java

```
package omdb;
  import java.util.*;
   import java.nio.charset.StandardCharsets;
  import java.nio.file.*;
   import java.io.*;
  public class MovieDatabase
       public ArrayList < Movie > movieArr; // creates the arraylist that stores all the
          movie objects in
       //constructors
       public MovieDatabase()
          String[] movies = readIn("films.txt"); //reads in the film.txt and then
12
             puts all the lines into an array
          movieArr = createObj(movies); //creates all the objects from the array from
              the file
       //secondary constructor
       public MovieDatabase(ArrayList < Movie > array)
       {
18
           //creates a new class from a ArrayList < Movie >
           movieArr = array;
       //reads in all the lines from a file into a string[]
22
       private String[] readIn(String fileName)
           List < String > lines = Collections.emptyList(); //creates an empty ArrayList
           try
26
             lines = Files.readAllLines(Paths.get(fileName), StandardCharsets.UTF_8)
                 ;//reads in all the lines from the file into an arraylist
           catch (IOException e)
30
           {
               System.out.println(e);
32
           //converts an arraylist to an array
           String[] linesArr = new String[lines.size()];
           linesArr = lines.toArray(linesArr);
36
           return linesArr;
       //creates objects from the array of lines
       public static ArrayList < Movie > createObj(String[] lines)
40
           ArrayList < Movie > movieArr; // creates arraylist of movie objects
           movieArr = new ArrayList <>();
           //loops through every element in the array
44
           for (int i = 0; i < lines.length; ++i)</pre>
               String[] linesone = lines[i].split("\"");//splits on "
               String linetwo = "";
               //creates new string that will be the rest of the line other than
                   title
               for (int o = 2; o < linesone.length; ++o)
50
               {
                   linetwo += linesone[o];
               }
               String[] linethree = linetwo.split(","); //splits line other than
                   title by
               movieArr.add(new Movie(linesone[1], Integer.parseInt(linethree[1]),
```

MovieDatabase.java 100263247 (uxk18qau)

```
linethree [2], linethree [3].split("/"), Integer.parseInt(linethree
                   [4]), Integer.parseInt(linethree[5]))); //creates new movie object
                   and adds it to the arraylist
           return movieArr; //returns the arraylist populated with movie objects
58
       //returns a array of indexs in movieArr of all the movies with the required
       public int[] genreQuery(String requiredGenre)
60
            ArrayList < Integer > list = new ArrayList <>(); //creates an arraylist for all
               the indexs
            //for each object in movieArr
           for (int i = 0; i < movieArr.size(); ++i)</pre>
                String Genre[] = movieArr.get(i).getGenre();//gets an array full of
                   all the genres
                //goes through the array full of genres
                for (int o = 0; o < Genre.length; ++o)</pre>
                    if (requiredGenre.equals(Genre[o]))//if the movie has that genre
                        list.add(i);//add the index to the list
                        break; //exits for loop as it has been found
                    }
74
                }
           }
           return convertAl2A(list); //returns array of the indexs of all movies with
                the specified genre
       //returns a array of indexs in movieArr of all the movies with the required
           certificate
       public int[] certificateQuery(String requiredCertificate)
80
           ArrayList < Integer > list = new ArrayList <> (); //creates a new arraylist
           //for each object in movieArr
           for (int i = 0; i < movieArr.size(); ++i)</pre>
                if (requiredCertificate.equals(movieArr.get(i).getCertificate()))//if
                    the certificate is the required certificate
                {
                    list.add(i);//add the index to the list
                }
           }
90
          {\tt return\ convertAl2A(list);\ // returns\ array\ of\ the\ indexs\ of\ all\ movies\ with}
               the specified certificate
92
       //converts an integer ArrayList to an integer array
       private int[] convertAl2A(ArrayList<Integer> list)
            int[] arr = new int[list.size()];//creates the array
96
           //loops through the arraylist
           for (int i = 0; i < list.size(); i++)</pre>
                arr[i] = list.get(i); //sets the array[i] to the arraylist[i]
100
           return arr; //returns the array
       }
   }
104
```

OMDB.java 100263247 (uxk18qau)

OMDB.java

```
package omdb;
  import java.util.ArrayList;
  public class OMDB
  {
6
      public static void main(String[] args)
           MovieDatabase wholeMovieDatabase = new MovieDatabase();//creates new
              movie database class
           System.out.println("All in chronological order: \n");
           bubbleSort("year", wholeMovieDatabase); //sorts the movie array into order
              by year
           printall(wholeMovieDatabase);//prints all
           System.out.println("Third longest Noir film: \n");
           bubbleSort("runtime", wholeMovieDatabase); //sorts the movie array into
              order by runtime
           int returnedNoirQuery[] = wholeMovieDatabase.genreQuery("Film-Noir");//
              gets the index of each element that has a film noir genre
           System.out.println(wholeMovieDatabase.movieArr.get(returnedNoirQuery[
              returnedNoirQuery.length - 3]).toString());//prints the third element
               out of the indexs in the array
18
           System.out.println("Eighth most recent unrated films: \n");
           bubbleSort("year", wholeMovieDatabase);//sorts the whole array by year
20
           int returnedUnratedQuery[] = wholeMovieDatabase.certificateQuery("UNRATED
              ");//qets the indexs of all the elements that are "unrated"
           System.out.println(wholeMovieDatabase.movieArr.get(returnedUnratedQuery[
22
              returnedUnratedQuery.length - 8]).toString());//prints the eigth
              element out of the indexs in the array
           System.out.println("Longest title: \n");
24
           bubbleSort("titlelength", wholeMovieDatabase);//sorts by title length
           System.out.println(wholeMovieDatabase.movieArr.get(0).toString());//
              prints the first element
       //sorts the movie arraylist via bubble sort
      private static void bubbleSort(String entity, MovieDatabase c)
30
           for(int i=0; i < c.movieArr.size(); i++)</pre>
               for(int j=1; j < (c.movieArr.size()-i); <math>j++)
                   if(c.movieArr.get(j-1).compareTo(c.movieArr.get(j),entity)==1)
                       //swap elements
38
                       String[] templine = {c.movieArr.get(j-1).toLine()};
                       ArrayList < Movie > temp;
                       temp = (MovieDatabase.createObj(templine));
                       c.movieArr.set(j-1,c.movieArr.get(j));
42
                       c.movieArr.set(j,temp.get(0));
                   }
              }
           }
46
      //prints all the elements in the movie arraylist
      private static void printall(MovieDatabase c)
      {
50
          for(int i=0; i < c.movieArr.size(); i++)</pre>
```

Application 100263247 (uxk18qau)

Application

Compiler Invocation

javac.exe -Xlint:unchecked -Xlint:deprecation -d classes Movie.java MovieDatabase
.java OMDB.java

Compiler Messages

None.

Application Invocation

javaw.exe omdb.OMDB

Messages to STDOUT

All in chronological order:

Title: The Kid Year of release: 1921 Certifiicate: NOT RATED Genres: Comedy/Drama/Family

Runtime: 68 Rating 0

Title: The Gold Rush Year of release: 1925 Certifiicate: NOT RATED

Genres: Adventure/Comedy/Drama

Runtime: 95
Rating 0

Title: The General Year of release: 1926 Certifiicate: UNRATED

Genres: Action/Adventure/Comedy

Runtime: 67
Rating 0

Title: Metropolis Year of release: 1927 Certifiicate: NOT RATED Genres: Drama/Sci-Fi

Runtime: 153 Rating 0

Title: Sunrise

Year of release: 1927 Certifiicate: NOT RATED Genres: Drama/Romance

Runtime: 94
Rating 0

Title: The Passion of Joan of Arc

Year of release: 1928 Certifiicate: NOT RATED

Genres: Biography/Drama/History

Runtime: 114
Rating 0

Title: City Lights Year of release: 1931 Certifiicate: PASSED Genres: Comedy/Drama/Romance

Runtime: 87 Rating 0

Title: M

Year of release: 1931 Certifiicate: NOT RATED Genres: Crime/Drama/Mystery

Runtime: 99 Rating 0

Title: It Happened One Night

Year of release: 1934 Certifiicate: UNRATED Genres: Comedy/Romance

Runtime: 105 Rating 0

Title: Modern Times Year of release: 1936

Certifiicate: G

Genres: Comedy/Drama/Family

Runtime: 87
Rating 0

Title: Mr. Smith Goes to Washington

Year of release: 1939 Certifiicate: NOT RATED Genres: Comedy/Drama

Runtime: 129 Rating 0

Title: Gone with the Wind Year of release: 1939

Certifiicate: G

Genres: Drama/History/Romance

Runtime: 238 Rating 0

Title: The Great Dictator Year of release: 1940 Certifiicate: APPROVED Genres: Comedy/Drama/War

Runtime: 125
Rating 0

Title: Rebecca

Year of release: 1940 Certifiicate: NOT RATED

Genres: Drama/Film-Noir/Mystery

Runtime: 130 Rating 0

Title: The Grapes of Wrath Year of release: 1940 Certifiicate: NOT RATED Genres: Drama/History

Runtime: 129
Rating 0

Title: Citizen Kane Year of release: 1941 Certifiicate: APPROVED Genres: Drama/Mystery

Runtime: 119
Rating 0

Title: The Maltese Falcon Year of release: 1941 Certifiicate: NOT RATED Genres: Film-Noir/Mystery

Runtime: 100 Rating 0

Title: Casablanca Year of release: 1942 Certifiicate: PG

Genres: Drama/Romance/War

Runtime: 102 Rating 0

Title: Double Indemnity Year of release: 1944 Certifiicate: PASSED

Genres: Crime/Drama/Film-Noir

Runtime: 107
Rating 0

Title: The Best Years of Our Lives

Year of release: 1946 Certifiicate: NOT RATED Genres: Drama/Romance/War

Runtime: 172 Rating 0

Title: It's a Wonderful Life

Year of release: 1946 Certifiicate: PG

Genres: Drama/Family/Fantasy

Runtime: 130 Rating 0

Title: The Treasure of the Sierra Madre

Year of release: 1948 Certifiicate: NOT RATED

Genres: Adventure/Drama/Western

Runtime: 126
Rating 0

Title: Bicycle Thieves Year of release: 1948 Certifiicate: NOT RATED

Genres: Drama Runtime: 89 Rating 0

Title: Kind Hearts and Coronets

Year of release: 1949 Certifiicate: NOT RATED Genres: Comedy/Crime

Runtime: 106 Rating 0

Title: The Third Man Year of release: 1949 Certifiicate: NOT RATED Genres: Film-Noir/Mystery/Thriller

Runtime: 93
Rating 0

Title: All About Eve Year of release: 1950 Certifiicate: APPROVED

Genres: Drama Runtime: 138 Rating O

Title: Rashomon Year of release: 1950 Certifiicate: UNRATED

Genres: Crime/Drama/Mystery

Runtime: 88 Rating 0

Title: Sunset Boulevard Year of release: 1950 Certifiicate: NOT RATED

Genres: Drama/Film-Noir/Romance

Runtime: 110 Rating 0

Title: Strangers on a Train

Year of release: 1951 Certifiicate: PG

Genres: Crime/Film-Noir/Romance

Runtime: 101
Rating 0

Title: Ikiru

Year of release: 1952 Certifiicate: NOT RATED

Genres: Drama Runtime: 143 Rating O

Title: Singin' in the Rain Year of release: 1952 Certifiicate: APPROVED

Genres: Comedy/Musical/Romance

Runtime: 103 Rating 0

Title: Roman Holiday Year of release: 1953 Certifiicate: NOT RATED Genres: Comedy/Romance

Runtime: 118 Rating 0

Title: The Wages of Fear Year of release: 1953 Certifiicate: NOT RATED

Genres: Adventure/Drama/Thriller

Runtime: 131 Rating 0

Title: Tokyo Story Year of release: 1953 Certifiicate: NOT RATED Genres: Drama Runtime: 136 Rating O

Title: Seven Samurai Year of release: 1954 Certifiicate: UNRATED

Genres: Action/Adventure/Drama

Runtime: 207 Rating 0

Title: Rear Window Year of release: 1954 Certifiicate: APPROVED Genres: Mystery/Thriller

Runtime: 112 Rating 0

Title: On the Waterfront Year of release: 1954 Certificate: NOT RATED Genres: Crime/Drama/Romance

Runtime: 108
Rating 0

Title: Dial M for Murder Year of release: 1954 Certifiicate: PG

Genres: Crime/Film-Noir/Romance

Runtime: 105

Runtime: 105
Rating 0

Title: Diabolique Year of release: 1955 Certifiicate: UNRATED

Genres: Drama/Horror/Mystery

Runtime: 116 Rating 0

Title: Nights of Cabiria Year of release: 1957 Certifiicate: NOT RATED

Genres: Drama Runtime: 110 Rating O

Title: The Bridge on the River Kwai

Year of release: 1957 Certifiicate: PG

Genres: Adventure/Drama/War

Runtime: 161 Rating 0

Title: Wild Strawberries Year of release: 1957 Certifiicate: UNRATED Genres: Drama/Romance

Runtime: 91 Rating 0

Title: The Seventh Seal Year of release: 1957 Certifiicate: NOT RATED Genres: Drama/Fantasy

Runtime: 96 Rating 0

Title: Paths of Glory Year of release: 1957 Certifiicate: APPROVED Genres: Drama/War Runtime: 88 Rating O

Title: 12 Angry Men Year of release: 1957 Certifiicate: APPROVED Genres: Crime/Drama

Runtime: 96
Rating 0

Title: Throne of Blood Year of release: 1957 Certifiicate: UNRATED

Genres: Drama Runtime: 110 Rating O

Title: Witness for the Prosecution

Year of release: 1957 Certifiicate: APPROVED Genres: Crime/Drama/Mystery

Runtime: 116
Rating 0

Title: Vertigo

Year of release: 1958 Certifiicate: PG

Genres: Mystery/Romance/Thriller

Runtime: 128 Rating 0

Title: Touch of Evil Year of release: 1958 Certifiicate: PG-13

Genres: Crime/Drama/Film-Noir

Runtime: 95
Rating 0

Title: Some Like It Hot Year of release: 1959 Certifiicate: NOT RATED Genres: Comedy/Romance

Runtime: 120 Rating 0

Title: Ben-Hur

Year of release: 1959

Certifiicate: G

Genres: Adventure/Drama/History

Runtime: 212 Rating 0

Title: The 400 Blows Year of release: 1959 Certifiicate: NOT RATED Genres: Crime/Drama

Runtime: 99 Rating 0

Title: North by Northwest Year of release: 1959 Certifiicate: APPROVED

Genres: Action/Adventure/Crime

Runtime: 136
Rating 0

Title: The Apartment Year of release: 1960 Certificate: APPROVED

Genres: Comedy/Drama/Romance

Runtime: 125
Rating 0

Title: Psycho

Year of release: 1960

Certifiicate: R

Genres: Horror/Mystery/Thriller

Runtime: 109
Rating 0

Title: Judgment at Nuremberg

Year of release: 1961 Certifiicate: NOT RATED

Genres: Drama/War Runtime: 186 Rating 0

Title: Yojimbo

Year of release: 1961 Certifiicate: UNRATED

Genres: Action/Drama/Thriller

Runtime: 110 Rating 0

Title: To Kill a Mockingbird

Year of release: 1962 Certifiicate: NOT RATED Genres: Crime/Drama

Runtime: 129
Rating 0

Title: Lawrence of Arabia Year of release: 1962 Certifiicate: PG

Genres: Adventure/Biography/Drama

Runtime: 216 Rating 0

Title: The Great Escape Year of release: 1963 Certifiicate: APPROVED

Genres: Adventure/Drama/History

Runtime: 172 Rating 0

Title: A Fistful of Dollars

Year of release: 1964

Genres: Action/Drama/Western

Runtime: 99 Rating 0

Title: Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb

Year of release: 1964 Certifiicate: PG Genres: Comedy Runtime: 95 Rating 0

Title: For a Few Dollars More

Year of release: 1965 Certifiicate: APPROVED

Genres: Western Runtime: 132 Rating 0

Title: The Good, the Bad and the Ugly

Year of release: 1966 Certifiicate: APPROVED

Genres: Western Runtime: 161 Rating O

Title: The Battle of Algiers

Year of release: 1966 Certifiicate: NOT RATED

Genres: Drama/War Runtime: 121 Rating 0

Title: Persona

Year of release: 1966 Certifiicate: NOT RATED Genres: Drama/Thriller

Runtime: 83
Rating 0

Rating 0

Title: Cool Hand Luke Year of release: 1967 Certifiicate: PG Genres: Drama Runtime: 126

Title: Once Upon a Time in the West

Year of release: 1968 Certifiicate: PG-13 Genres: Romance/Western

Runtime: 175 Rating 0

Title: 2001: A Space Odyssey

Year of release: 1968

Certifiicate: G

Genres: Adventure/Mystery/Sci-Fi

Runtime: 149
Rating 0

Title: Butch Cassidy and the Sundance Kid

Year of release: 1969

 ${\tt Certifiicate:}\ {\tt M}$

Genres: Biography/Crime/Drama

Runtime: 110 Rating 0

Title: A Clockwork Orange Year of release: 1971

Certifiicate: X

Genres: Crime/Drama/Sci-Fi

Runtime: 136 Rating 0

Title: The Godfather Year of release: 1972 Certifiicate: R Genres: Crime/Drama

Runtime: 175
Rating 0

Title: The Sting Year of release: 1973 Certifiicate: PG

Genres: Comedy/Crime/Drama

Runtime: 129 Rating 0

Title: Chinatown Year of release: 1974 Certifiicate: R

Genres: Drama/Mystery/Thriller

Runtime: 130
Rating 0

Title: The Godfather: Part II

Year of release: 1974 Certifiicate: R Genres: Crime/Drama Runtime: 202 Rating 0

Title: Barry Lyndon Year of release: 1975 Certifiicate: PG

Genres: Adventure/Drama/History

Runtime: 184
Rating 0

Title: Dog Day Afternoon Year of release: 1975 Certifiicate: R

Genres: Crime/Drama

Runtime: 125 Rating 0

Title: Jaws

Year of release: 1975 Certifiicate: PG

Genres: Adventure/Drama/Thriller

Runtime: 124
Rating 0

Title: Monty Python and the Holy Grail

Year of release: 1975 Certifiicate: PG Genres: Adventure/Comedy/Fantasy

Runtime: 91
Rating 0

Title: One Flew Over the Cuckoo's Nest

Year of release: 1975

Certifiicate: R Genres: Drama Runtime: 133 Rating 0

Title: The Message Year of release: 1976 Certifiicate: PG

Genres: Adventure/Biography/Drama

Runtime: 177
Rating 0

Title: Taxi Driver Year of release: 1976 Certifiicate: R Genres: Crime/Drama

Runtime: 113
Rating 0

Title: Rocky

Year of release: 1976 Certifiicate: PG Genres: Drama Runtime: 120 Rating 0

Title: Network

Year of release: 1976

Certifiicate: R

Certifiicate: PG

Genres: Drama/Romance
Runtime: 121

Title: Annie Hall Year of release: 1977

Genres: Comedy/Romance

Runtime: 93
Rating 0

Rating 0

Title: Star Wars: Episode IV - A New Hope

Year of release: 1977 Certifiicate: PG

Genres: Action/Adventure/Fantasy

Runtime: 121 Rating 0

Title: The Deer Hunter Year of release: 1978

Certifiicate: R Genres: Drama/War Runtime: 183 Rating O

Title: Alien

Year of release: 1979

Genres: Horror/Sci-Fi

Runtime: 117
Rating 0

Title: Life of Brian Year of release: 1979 Certifiicate: R

Genres: Comedy Runtime: 94 Rating 0

Title: Apocalypse Now Year of release: 1979

Certifiicate: R Genres: Drama/War Runtime: 153 Rating 0

Title: Stalker

Year of release: 1979 Certifiicate: NOT RATED Genres: Drama/Sci-Fi

Runtime: 163
Rating 0

Title: Raging Bull Year of release: 1980

Certifiicate: R

Genres: Biography/Drama

Runtime: 129
Rating 0

 $\mbox{Title: Star Wars: Episode V - The Empire Strikes Back } \\$

Year of release: 1980 Certifiicate: PG

Genres: Action/Adventure/Fantasy

Runtime: 124 Rating 0

Title: The Elephant Man Year of release: 1980 Certifiicate: PG

Genres: Biography/Drama

Runtime: 124
Rating 0

Title: The Shining Year of release: 1980 Certifiicate: R Genres: Drama/Horror

Runtime: 146
Rating 0

Title: Das Boot Year of release: 1981 Certifiicate: R

Genres: Adventure/Drama/Thriller

Runtime: 149
Rating 0

Title: Raiders of the Lost Ark

Year of release: 1981 Certifiicate: PG Genres: Action/Adventure

Runtime: 115 Rating 0

Title: Gandhi

Year of release: 1982 Certifiicate: PG

Genres: Biography/Drama

Runtime: 191 Rating 0

Title: Fanny and Alexander Year of release: 1982

Certifiicate: R Genres: Drama Runtime: 188 Rating O

Title: Blade Runner Year of release: 1982 Certifiicate: R

Genres: Sci-Fi/Thriller

Runtime: 117
Rating 0

Title: The Thing Year of release: 1982

Certifiicate: R

Genres: Horror/Mystery/Sci-Fi

Runtime: 109
Rating 0

Title: Scarface Year of release: 1983 Certifiicate: R Genres: Crime/Drama

Runtime: 170
Rating 0

Title: Star Wars: Episode VI - Return of the Jedi

Year of release: 1983 Certifiicate: PG

Genres: Action/Adventure/Fantasy

Runtime: 131 Rating 0

Title: This Is Spinal Tap Year of release: 1984

Certifiicate: R Genres: Comedy/Music

Runtime: 82 Rating 0

Title: The Terminator Year of release: 1984

Certifiicate: R Genres: Action/Sci-Fi

Runtime: 107
Rating 0

Title: Nausicaa of the Valley of the Wind

Year of release: 1984 Certifiicate: PG Genres: Adventure/Animation/Fantasy

Runtime: 117 Rating 0

Title: Amadeus Year of release: 1984

Certifiicate: R

Genres: Biography/Drama/History

Runtime: 160 Rating 0

Title: Once Upon a Time in America

Year of release: 1984 Certifiicate: R Genres: Crime/Drama

Runtime: 229 Rating 0

Title: Back to the Future Year of release: 1985 Certifiicate: PG

Genres: Adventure/Comedy/Sci-Fi

Runtime: 116 Rating 0

Title: Come and See Year of release: 1985 Certifiicate: NOT RATED

Genres: Drama/War Runtime: 140 Rating 0

Title: Ran

Year of release: 1985 Certifiicate: R Genres: Action/Drama

Runtime: 162 Rating 0

Title: Aliens

Year of release: 1986 Certifiicate: R

Genres: Action/Adventure/Sci-Fi

Runtime: 137 Rating 0

Title: Castle in the Sky Year of release: 1986 Certifiicate: PG

Genres: Adventure/Animation/Family

Runtime: 125 Rating 0

Title: Stand by Me Year of release: 1986

Certifiicate: R

Genres: Adventure/Drama

Runtime: 89 Rating 0

Title: Platoon

Year of release: 1986

Genres: Drama/War Runtime: 120 Rating 0

Title: Full Metal Jacket Year of release: 1987 Certifiicate: R Genres: Drama/War Runtime: 116

Rating 0

Title: The Princess Bride Year of release: 1987 Certifiicate: PG

Genres: Adventure/Family/Fantasy

Runtime: 98
Rating 0

Title: My Neighbor Totoro Year of release: 1988

Certifiicate: G

Genres: Animation/Family/Fantasy

Runtime: 86
Rating 0

Title: Grave of the Fireflies

Year of release: 1988 Certifiicate: UNRATED Genres: Animation/Drama/War

Runtime: 89

Runtime: 89
Rating 0

Title: Die Hard Year of release: 1988 Certifiicate: R

Genres: Action/Thriller

Runtime: 131
Rating 0

Title: Cinema Paradiso Year of release: 1988 Certifiicate: R

Certifiicate: R Genres: Drama/Rom

Genres: Drama/Romance

Runtime: 155 Rating 0

Title: Indiana Jones and the Last Crusade

Year of release: 1989 Certifiicate: PG-13

Genres: Action/Adventure/Fantasy

Runtime: 127 Rating 0

Title: Goodfellas Year of release: 1990

Certifiicate: R

Genres: Biography/Crime/Drama

Runtime: 146
Rating 0

Title: The Silence of the Lambs

Year of release: 1991 Certifiicate: R Genres: Crime/Drama/Thriller

Runtime: 118 Rating 0

Title: Terminator 2: Judgment Day

Year of release: 1991 Certifiicate: R Genres: Action/Sci-Fi

Runtime: 137 Rating 0

Title: Beauty and the Beast Year of release: 1991

Certifiicate: G

Genres: Animation/Family/Fantasy

Runtime: 84
Rating 0

Title: Reservoir Dogs Year of release: 1992

Certifiicate: R

Genres: Crime/Drama/Thriller

Runtime: 99 Rating 0

Title: Unforgiven Year of release: 1992 Certifiicate: R Genres: Drama/Western

Runtime: 131
Rating 0

Title: In the Name of the Father

Year of release: 1993

Certifiicate: R

Genres: Biography/Drama/History

Runtime: 133
Rating 0

Title: Jurassic Park Year of release: 1993 Certifiicate: PG-13

Genres: Adventure/Sci-Fi/Thriller

Runtime: 127
Rating 0

Title: Schindler's List Year of release: 1993

Certifiicate: R

Genres: Biography/Drama/History

Runtime: 195 Rating 0

Title: Groundhog Day Year of release: 1993 Certifiicate: PG

Genres: Comedy/Fantasy/Romance

Runtime: 101 Rating 0

Title: Forrest Gump Year of release: 1994 Certifiicate: PG-13 Genres: Comedy/Drama

Runtime: 142 Rating 0

Title: Pulp Fiction Year of release: 1994 Certifiicate: R Genres: Crime/Drama

Runtime: 154 Rating 0

Title: The Shawshank Redemption

Year of release: 1994 Certifiicate: R Genres: Crime/Drama

Runtime: 142 Rating 0

Title: Leon

Year of release: 1994 Certifiicate: R

Genres: Crime/Drama/Thriller

Runtime: 110 Rating 0

Title: The Lion King Year of release: 1994

Certifiicate: G

Genres: Adventure/Animation/Drama

Runtime: 89 Rating 0

Title: Heat

Year of release: 1995 Certifiicate: R

Genres: Action/Crime/Drama

Runtime: 170 Rating 0

Title: La Haine Year of release: 1995 Certifiicate: NOT RATED Genres: Crime/Drama

Runtime: 98 Rating 0

Title: The Usual Suspects Year of release: 1995

Certifiicate: R

Genres: Crime/Drama/Mystery

Runtime: 106 Rating 0

Title: Toy Story Year of release: 1995

Certifiicate: G

Genres: Adventure/Animation/Comedy

Runtime: 81 Rating 0

Title: Se7en

Year of release: 1995

Genres: Crime/Drama/Mystery

Runtime: 127
Rating 0

Title: Casino

Year of release: 1995

Certifiicate: R

Genres: Biography/Crime/Drama

Runtime: 178 Rating 0

Title: Braveheart Year of release: 1995

Certifiicate: R

Genres: Biography/Drama/History

Runtime: 178
Rating 0

Title: Before Sunrise Year of release: 1995 Certifiicate: R Genres: Drama/Romance

Runtime: 105 Rating 0

Title: Twelve Monkeys Year of release: 1995

Certifiicate: R

Genres: Mystery/Sci-Fi/Thriller

Runtime: 129
Rating 0

Title: Trainspotting Year of release: 1996

Certifiicate: R Genres: Drama Runtime: 94 Rating 0

Title: Fargo

Year of release: 1996

Certifiicate: R

Genres: Crime/Drama/Thriller

Runtime: 98 Rating 0

Title: Life Is Beautiful Year of release: 1997 Certifiicate: PG-13 Genres: Comedy/Drama/War

Runtime: 116 Rating 0

Title: Princess Mononoke Year of release: 1997 Certifiicate: PG-13

Genres: Adventure/Animation/Fantasy

Runtime: 134
Rating 0

Title: L.A. Confidential Year of release: 1997

Genres: Crime/Drama/Mystery

Runtime: 138 Rating 0

Title: Good Will Hunting Year of release: 1997

Certifiicate: R Genres: Drama Runtime: 126 Rating 0

Title: Children of Heaven Year of release: 1997 Certifiicate: PG Genres: Drama/Family

Runtime: 89 Rating 0

Title: The Truman Show Year of release: 1998 Certifiicate: PG

Genres: Comedy/Drama/Sci-Fi

Runtime: 103
Rating 0

Title: The Big Lebowski Year of release: 1998

Certifiicate: R Genres: Comedy/Crime

Runtime: 117
Rating 0

Title: American History X Year of release: 1998

Certifiicate: R Genres: Crime/Drama Runtime: 119

Runtime: 119
Rating 0

Title: Lock, Stock and Two Smoking Barrels

Year of release: 1998 Certifiicate: R Genres: Comedy/Crime

Runtime: 107 Rating 0

Title: Saving Private Ryan Year of release: 1998

Certifiicate: R

Genres: Action/Drama/War

Runtime: 169 Rating 0

Title: American Beauty Year of release: 1999

Certifiicate: R

Genres: Drama/Romance

Runtime: 122 Rating 0

Title: The Green Mile Year of release: 1999

Genres: Crime/Drama/Fantasy

Runtime: 189
Rating 0

Title: Fight Club Year of release: 1999

Certifiicate: R Genres: Drama Runtime: 139 Rating 0

Title: The Sixth Sense Year of release: 1999 Certifiicate: PG-13

Genres: Drama/Mystery/Thriller

Runtime: 107
Rating 0

Title: The Matrix Year of release: 1999 Certifiicate: R Genres: Action/Sci-Fi

Runtime: 136
Rating 0

Title: Memento

Year of release: 2000

Certifiicate: R

Genres: Mystery/Thriller

Runtime: 113
Rating 0

 $\hbox{\tt Title: Requiem for a Dream }$

Year of release: 2000

Certifiicate: R Genres: Drama Runtime: 102 Rating 0

Title: Snatch

Year of release: 2000 Certifiicate: R Genres: Comedy/Crime

Runtime: 102 Rating 0

Title: Amores Perros Year of release: 2000 Certifiicate: R

Genres: Drama/Thriller

Runtime: 154
Rating 0

Title: Gladiator Year of release: 2000

Certifiicate: R

Genres: Action/Adventure/Drama

Runtime: 155 Rating 0

Title: Lagaan: Once Upon a Time in India

Year of release: 2001 Certifiicate: PG Genres: Adventure/Drama/Musical

Runtime: 224 Rating 0

Title: The Lord of the Rings: The Fellowship of the Ring

Year of release: 2001 Certifiicate: PG-13

Genres: Action/Adventure/Drama

Runtime: 178 Rating 0

Title: Amelie

Year of release: 2001 Certifiicate: R

Genres: Comedy/Romance

Runtime: 122 Rating 0

Title: Spirited Away Year of release: 2001 Certifiicate: PG

Genres: Adventure/Animation/Family

Runtime: 125 Rating 0

Title: A Beautiful Mind Year of release: 2001 Certifiicate: PG-13 Genres: Biography/Drama

Runtime: 135 Rating 0

Title: Donnie Darko Year of release: 2001

Certifiicate: R

Genres: Drama/Sci-Fi/Thriller

Runtime: 113 Rating 0

Title: Monsters, Inc. Year of release: 2001

Certifiicate: G

Genres: Adventure/Animation/Comedy

Runtime: 92 Rating 0

Title: Infernal Affairs Year of release: 2002

Certifiicate: R

Genres: Crime/Drama/Mystery

Runtime: 101 Rating 0

Title: City of God Year of release: 2002 Certifiicate: R Genres: Crime/Drama

Runtime: 130

Rating 0

Title: The Pianist Year of release: 2002

Genres: Biography/Drama/War

Runtime: 150 Rating 0

Title: The Lord of the Rings: The Two Towers

Year of release: 2002 Certifiicate: PG-13

Genres: Action/Adventure/Drama

Runtime: 179
Rating 0

Title: Catch Me If You Can Year of release: 2002 Certifiicate: PG-13

Genres: Biography/Crime/Drama

Runtime: 141
Rating 0

Title: The Lord of the Rings: The Return of the King

Year of release: 2003 Certifiicate: PG-13

Genres: Action/Adventure/Drama

Runtime: 201 Rating 0

Title: Kill Bill: Vol. 1
Year of release: 2003

Certifiicate: R

Genres: Action/Crime/Thriller

Runtime: 111
Rating 0

Title: Memories of Murder Year of release: 2003 Certificate: UNRATED

Genres: Crime/Drama/Mystery

Runtime: 132 Rating 0

Title: Oldboy

Year of release: 2003

Certifiicate: R

Genres: Drama/Mystery/Thriller

Runtime: 120 Rating 0

Title: Pirates of the Caribbean: The Curse of the Black Pearl

Year of release: 2003 Certifiicate: PG-13

Genres: Action/Adventure/Fantasy

Runtime: 143 Rating 0

Title: Finding Nemo Year of release: 2003

Certifiicate: G

Genres: Adventure/Animation/Comedy

Runtime: 100 Rating 0

Title: Howl's Moving Castle

Year of release: 2004 Certifiicate: PG Genres: Adventure/Animation/Family

Runtime: 119 Rating 0

Title: Million Dollar Baby Year of release: 2004 Certifiicate: PG-13

Genres: Drama Runtime: 132 Rating O

Title: Downfall Year of release: 2004 Certifiicate: R

Genres: Biography/Drama/History

Runtime: 156
Rating 0

Title: Eternal Sunshine of the Spotless Mind

Year of release: 2004 Certifiicate: R

Genres: Drama/Fantasy/Romance

Runtime: 108
Rating 0

Title: Hotel Rwanda Year of release: 2004 Certifiicate: PG-13 Genres: Drama/History/War

Runtime: 121 Rating 0

Title: Sin City Year of release: 2005 Certifiicate: R

Genres: Crime/Thriller

Runtime: 124
Rating 0

Title: V for Vendetta Year of release: 2005

Certifiicate: R

Genres: Action/Drama/Thriller

Runtime: 132 Rating 0

Title: Batman Begins Year of release: 2005 Certifiicate: PG-13 Genres: Action/Adventure

Runtime: 140 Rating 0

Title: The Prestige Year of release: 2006 Certifiicate: PG-13

Genres: Drama/Mystery/Sci-Fi

Runtime: 130 Rating 0

Title: The Departed Year of release: 2006

Genres: Crime/Drama/Thriller

Runtime: 151
Rating 0

Title: Pan's Labyrinth Year of release: 2006 Certifiicate: R

certificate. K

Genres: Drama/Fantasy/War

Runtime: 118 Rating 0

Title: The Lives of Others Year of release: 2006

Certifiicate: R

Genres: Drama/Thriller

Runtime: 137
Rating 0

Title: Into the Wild Year of release: 2007

Certifiicate: R

Genres: Adventure/Biography/Drama

Runtime: 148
Rating 0

Title: No Country for Old Men

Year of release: 2007

Certifiicate: R

Genres: Crime/Drama/Thriller

Runtime: 122 Rating 0

Title: There Will Be Blood Year of release: 2007

Certifiicate: R Genres: Drama Runtime: 158 Rating 0

Title: The Bourne Ultimatum

Year of release: 2007 Certifiicate: PG-13

Genres: Action/Mystery/Thriller

Runtime: 115 Rating 0

Title: WALL-E

Year of release: 2008

Certifiicate: G

Genres: Adventure/Animation/Family

Runtime: 98 Rating 0

Title: The Dark Knight Year of release: 2008 Certifiicate: PG-13

Genres: Action/Crime/Drama

Runtime: 152 Rating 0

Title: Ip Man

Year of release: 2008

Genres: Action/Biography/Drama

Runtime: 106 Rating 0

Title: Gran Torino Year of release: 2008

Certifiicate: R Genres: Drama Runtime: 116 Rating O

Title: The Secret in Their Eyes

Year of release: 2009 Certifiicate: R

Genres: Drama/Mystery/Thriller

Runtime: 129
Rating 0

Title: Hachi: A Dog's Tale

Year of release: 2009 Certifiicate: G Genres: Drama/Family

Runtime: 93 Rating 0

Title: Mary and Max Year of release: 2009 Certifiicate: NOT RATED

Genres: Animation/Comedy/Drama

Runtime: 92 Rating 0

Title: Up

Year of release: 2009 Certifiicate: PG

Genres: Adventure/Animation/Comedy

Runtime: 96 Rating 0

Title: 3 Idiots Year of release: 2009 Certifiicate: PG-13 Genres: Comedy/Drama

Runtime: 170 Rating 0

Title: Inglourious Basterds

Year of release: 2009 Certifiicate: R

Genres: Adventure/Drama/War

Runtime: 153 Rating 0

Title: Shutter Island Year of release: 2010

Certifiicate: R

Genres: Mystery/Thriller

Runtime: 138 Rating 0

Title: How to Train Your Dragon

Year of release: 2010 Certifiicate: PG Genres: Adventure/Animation/Family

Runtime: 98 Rating 0

Title: Toy Story 3
Year of release: 2010

Certifiicate: G

Genres: Adventure/Animation/Comedy

Runtime: 103 Rating 0

Title: Inception Year of release: 2010 Certifiicate: PG-13

Genres: Action/Adventure/Sci-Fi

Runtime: 148
Rating 0

Title: The King's Speech Year of release: 2010

Certifiicate: R

Genres: Biography/Drama/History

Runtime: 118
Rating 0

Title: Incendies Year of release: 2010 Certifiicate: R

Genres: Drama/Mystery/War

Runtime: 139
Rating 0

Title: Harry Potter and the Deathly Hallows: Part 2

Year of release: 2011 Certifiicate: PG-13

Genres: Adventure/Drama/Fantasy

Runtime: 130 Rating 0

Title: Untouchable Year of release: 2011 Certifiicate: N/A Genres: Comedy/Drama

Runtime: 14 Rating 0

Title: The Help Year of release: 2011 Certifiicate: PG-13 Genres: Drama

Runtime: 146
Rating 0

Title: A Separation Year of release: 2011 Certificate: PG-13 Genres: Drama/Mystery

Runtime: 123
Rating 0

Title: Warrior

Year of release: 2011 Certifiicate: PG-13 Genres: Drama Runtime: 140 Rating O

Title: The Dark Knight Rises

Year of release: 2012 Certifiicate: PG-13 Genres: Action/Thriller

Runtime: 164 Rating 0

Title: Gangs of Wasseypur Year of release: 2012 Certifiicate: N/A

Genres: Action/Crime/Drama

Runtime: 320 Rating 0

Title: The Avengers Year of release: 2012 Certifiicate: PG-13

Genres: Action/Sci-Fi/Thriller

Runtime: 143
Rating 0

Title: The Hunt Year of release: 2012

Certifiicate: R Genres: Drama Runtime: 115 Rating O

Title: Django Unchained Year of release: 2012

Certifiicate: R

Genres: Drama/Western

Runtime: 165 Rating 0

Title: The Wolf of Wall Street

Year of release: 2013

Certifiicate: R

Genres: Biography/Comedy/Crime

Runtime: 180 Rating 0

Title: 12 Years a Slave Year of release: 2013

Certifiicate: R

Genres: Biography/Drama/History

Runtime: 134 Rating 0

Title: Prisoners Year of release: 2013

Certifiicate: R

Genres: Crime/Drama/Mystery

Runtime: 153
Rating 0

Title: Sharknado Year of release: 2013 Certifiicate: TV-14 Genres: Horror Runtime: 86 Rating 0

Title: Rush

Year of release: 2013 Certifiicate: R

Genres: Action/Biography/Drama

Runtime: 123
Rating 0

Title: Song of the Sea Year of release: 2014 Certifiicate: PG

Genres: Adventure/Animation/Family

Runtime: 93 Rating 0

Title: Wild Tales Year of release: 2014 Certifiicate: R

Genres: Comedy/Drama/Thriller

Runtime: 122 Rating 0

Title: Guardians of the Galaxy

Year of release: 2014 Certifiicate: PG-13

Genres: Action/Adventure/Sci-Fi

Runtime: 121
Rating 0

Title: Gone Girl Year of release: 2014

Certifiicate: R

Genres: Crime/Drama/Mystery

Runtime: 149
Rating 0

Title: Whiplash Year of release: 2014 Certifiicate: R Genres: Drama Runtime: 107

Rating 0

Title: The Grand Budapest Hotel

Year of release: 2014 Certifiicate: R

Genres: Adventure/Comedy/Crime

Runtime: 99
Rating 0

Title: The Imitation Game Year of release: 2014 Certificate: PG-13

Genres: Biography/Drama/Thriller

Runtime: 114
Rating 0

Title: Interstellar Year of release: 2014 Certifiicate: PG-13 Genres: Adventure/Drama/Sci-Fi

Runtime: 169
Rating 0

Title: The Martian Year of release: 2015 Certifiicate: PG-13

Genres: Adventure/Drama/Sci-Fi

Runtime: 144
Rating 0

Title: Star Wars: The Force Awakens

Year of release: 2015 Certifiicate: PG-13

Genres: Action/Adventure/Fantasy

Runtime: 138
Rating 0

Title: Inside Out Year of release: 2015 Certifiicate: PG

Genres: Adventure/Animation/Comedy

Runtime: 95
Rating 0

Title: Room

Year of release: 2015 Certifiicate: R Genres: Drama

Runtime: 118
Rating 0

Title: Spotlight Year of release: 2015

Certifiicate: R

Genres: Biography/Crime/Drama

Runtime: 128
Rating 0

Title: The Revenant Year of release: 2015

Certifiicate: R

Genres: Adventure/Drama/Thriller

Runtime: 156 Rating 0

Title: Mad Max: Fury Road Year of release: 2015

Certifiicate: R

Genres: Action/Adventure/Sci-Fi

Runtime: 120 Rating 0

Title: Zootopia Year of release: 2016 Certifiicate: PG

Genres: Action/Adventure/Animation

Runtime: 108 Rating 0

Title: Deadpool Year of release: 2016

Genres: Action/Adventure/Comedy

Runtime: 108 Rating 0

Third longest Noir film:

Title: Double Indemnity Year of release: 1944 Certifiicate: PASSED

Genres: Crime/Drama/Film-Noir

Runtime: 107
Rating 0

Eighth most recent unrated films:

Title: Rashomon Year of release: 1950 Certifiicate: UNRATED

Genres: Crime/Drama/Mystery

Runtime: 88 Rating 0

Longest title:

Title: Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb

Year of release: 1964 Certifiicate: PG Genres: Comedy Runtime: 95 Rating 0

Messages to STDERR

None.