

An-Najah National University

Computer Engineering Department

Object Oriented Programming

Project: Movie Management System

Due date – 10/12/2019

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In this project, you'll build a backend and frontend system that can help users to manage their movies. Your system should give the user the following features:

A class **Movie**: with the following attributes name; director; year, duration; seen;

Methods:

- User-defined constructor with 5 attributes
- Getter and setter for all attributes
- Override toString() function to allow print the attributes of movie

An Interface called **IHandler** with the following abstract methods

- public ArrayList<Movie> selectAllMovies();
- public ArrayList<Movie> selectSeenMovies();
- public ArrayList<Movie> selectUnseenMovies();
- public String addMovie(Movie m);
- public void editMovie(Movie newMovie, Movie selectedMovie);
- public void delMovie(Movie m);
- public void markSeen(Movie m);
- public void markUnseen(Movie m);
- public void closeFile();
- public ArrayList<Movie> filterMovies(Movie m);

A class called **FileHandler** that implements the interface **IHandler**

A GUI :

InitAndReadFromFile Select all Select seen Select unseen Mark seen Mark unseen Add movie Delete movie Edit movie Filter Selected all.

A_Beautiful_Mind	Ron_Howard	2001	135	false
About_Time	Richard_Curtis	2013	123	true
Carrie	Brian_De_Palma	1976	98	true

Add Movie
Name Directory Year Duration Seen ☐ Ok

Edit Movie
Name Directory Year Duration Seen ☐ Ok

Init and read from file button should read all movies from file and store them in an array list
File format:

Name Director Year Duration Seen

A_Beautiful_Mind Ron_Howard 2001 135 false

About_Time Richard_Curtis 2013 123 true

Carrie Brian_De_Palma 1976 98 true

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