**Movie store Management system**

**Documentation of program**

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**Title: Movie store management system**

**File: Movie store**

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**Purpose:**

This program creates a small movie store management system. This system performs different functionalities.

**Functionalities:**

* Take input one or Multiple record and store on file
* Update record on file
* Search record from file
* Delete record from file
* Display all records
* Change availability status
* Check availability status

**Classes:**

I have created six classes in the program and there are different relations between them. I have done **operator overloading** for file handling in the class of **fstream**.

**M\_Name:**

I created this class for name of the movie. It has a data member that is a string for name of the movie. I **composed** it in the movie class. Because there is a strong **has a** relationship.

**M\_Year:**

I created that class for the year of the movie in which that was released. It has one data member type of integer. I **composed** it within the movie class because there is a **strong has a** relationship.

**Stars:**

I created that class for actors of the movie and it has two string data members for actor 1 and actor 2. I **composed** that class into the movie class because there is a **strong has a** relation.

**Movie:**

For this class I already have three data that belong to the classes that I have composed in them, as well as two other data members in this class which are the total copies and return copies of the movie.

**Movie\_store:**

In this class different functionality performed.

**Menu:**

I created that class for provide a menu to the user to use functionalities of the program easily.

* **Functionalities:**

**Insert:**

This function takes all values of the record from user and then store that record on file. User can store a single or multiple records.

**Update:**

This function asks the user to enter name of the movie and update that record on file.

**Delete:**

This function asks the user to enter name of the movie and this function deletes that record from file permanently.

**Display:**

This function read all values from file and then display them.

**Change** **Availability:**

This function asks the user to enter the name of the movie and it changes the availability of the that movie.

**Check Availability:**

This function asks the user to enter name of the movie and it checks the available copies of that movie.