

USER MANUAL

Movie Database Management

CS101 Project - Autumn Semester 2014-2015

OVERVIEW:

This is a unique Movie Database, which contains up to date information about movies maintained by the students, for the students.

This User Manual will take you through the application and its various features to make your experience using this program easier and more user friendly.

First of all, the program will prompt whether you want to **Sign in as a Member User** or incase you are not a Member, if you wish to **Sign Up** as one. If you don't you can still use the database with restricted access.

- In the code, this is carried out by inputting User's choice and calling functions "**sign_in**" and "**sign_up**" accordingly.

Signing up

For users to sign up, they are required to provide a unique UserId the availability of which is checked by the program, and then he/she is asked to enter a password of his/her preference twice, only for security purposes and to avoid unintentional errors.

- Function called "sign_up" then internally stores the information provided by the user in the Users table of our SQL database.

Signing in

Users who have already signed up, only need to provide their UserId, and password, once the program validates the information given by the user, he/she is allowed to use all the features as mentioned below.

- The function "sign_in" is called by the program to verify the user provided information from the SQL database.

To see the features available to you once you have signed in, keep reading, however if you are interested in only the features accessible to Guest User, you may skip to the last page of this document.

MEMBERS ONLY:

Inserting movie in the Database.

Users who have signed in, are allowed to update the existing database, by inserting a movie, given that he/she enters all the details, viz. Movie name, Cast (actor and actress), Director, and Year of release.

- Inside the program, this is carried out by calling a function, "**insert_movies**" which adds the user provided info to the Movies table in our SQL database.

Searching a movie.

Users who have signed in, are granted access to the database such that they can search for a particular movie by inputting a keyword from the title, cast or director.

- Internally, this calls for a function "**search_movies**" which in turn calls for a set of functions depending on whether the user wishes to search by title, actor, actress, director or year of release.
- Once users have searched for a movie, the program displays the entire info available for the given movie, including Title, Cast, Director, Year of Release and Rating.
- Further the User can view the Reviews for a movie if he/she wishes to.

Rating and Reviewing a movie.

Users, after signing in, will be given an option to first rate, and then review a movie. For this users, will be first asked to search for the movie they wish to rate and review as explained above, and then proceed to rate the movie on a scale of 1-10. Then the User will be asked if he wishes to review, he may proceed to do so.

- The code permits for this to happen by the help pf functions "`rating_movies`" and "`review_movies`".
- The rating provided by the user is used to update the **average rating** of the movie which is displayed along with other info when a user searches for a particular movie. Reviews for a movie can also be viewed by Users after they have searched for a particular movie.

GUEST USER:

Searching a movie BY TITLE.

All guest users have limited access to the database and can search a movie only the title. However, once the search is made all info regarding the movie is displayed as it is to members.

Guest users are not allowed to rate, review or insert a movie. Neither they have the access to the reviews entered by other Member Users.