

# User Guide

## **General Introduction:**

Our application has been developed to answer the special needs of movie and TV watchers. It presents information about the various films and shows available and aids the user in choosing new ones based on their preferences. That is, it recommends new movies and shows based on their genre, language, actors, similar movies, and more.

The information is presented in an easy to understand format, divided among different pages and tables, each especially designed to help the user in their search for useful information.

## **Displays**

The application is divided into several displays, each focusing on a different aspect of movies and shows:

+ Note: In any page and in any table, the user may order the table by any order they wish based on the given input. In order to access this feature the user needs only click on the corresponding header at the top of the table.

### *Header*

The header provides the user with easy access to other pages in the application.

On its top-right corner, the main-menu button allows the user to move to specialized pages, as described below.

On its top-left corner, the search option allows the user to search for a specific movie or show based on their title. Note that in case when both a show and a movie share the same title, the movie will be presented.

### *Front Page*

The front page offers the user the option to search for a recommended movie based on the name of a TV show, and the complement option to search for a TV show based on the name of a movie.

Additionally, underneath the above search options the user is presented with five posters belonging to randomly chosen popular movies, as returned by a query. Each poster is clickable and leads to the movie's page. Under the movies' posters five posters belonging to randomly chosen popular shows are also presented. These randomly chosen movies and shows provide the user with the utmost convenience, allowing them to receive new recommendations on every use, all without the need to search for anything.

### *Movie*

Each movie available has its own detailed page, providing the user with all the available information he or she might need.

On the page's left the user is presented with an image of the movie's poster, if such an image is available.

On the page's right, the user is presented with a variety of information, including the movie's title, its overview, its IMDB page, its length, any collection of which the movie might be a part, its homepage, its languages, and its rating.

Additionally, underneath the above information the user is also presented with the movie's director and cast members.

At the bottom of the page the posters of up to two movies, randomly chosen from a collection of carefully selected movies, are shown.

The left-hand poster is of a similar movie, which shares with the current movie its main language, more than three cast members, and more than two genres.

The right-hand poster belongs to a competing movie, which was released at most six months apart from the current movie, and shares with it at least one genre and its main language. By giving the user the above recommendations the user might find other movies they enjoy based on their previously watched ones. This allows the user a better watching experience while also providing lesser-known titles much needed exposure.

#### *TV Show*

Each show available has its own unique page, presenting the user with as much information as possible about the show.

On the page's left the user is presented with an image of the show's poster, if such an image is available.

On the page's right, the user is presented with a variety of information, including the show's title, its overview, the average length of an episode, the number of seasons, a link to its homepage, its main spoken language, and its rating.

Additionally, underneath the above information the user is also presented with the show's producer and cast members.

At the bottom of the page the posters of up to two shows, randomly chosen from a collection of carefully selected shows, are shown.

The left-hand poster belongs to a show deemed similar to the current one. Specifically, it belongs to a show which share with the current show its main language, at least one actor, and at least one genre.

The right-hand poster represents a competing show. That is, it belongs to a show which share with the current show its main language, at least one genre, and which was released at most six months apart from it.

By giving the user the above recommendations the user might find other shows they enjoy based on their previously watched ones. This allows the user a better watching experience while also providing lesser-known titles much needed exposure.

#### *Search Movies or Shows*

This page provides the user with the ability to search for any word in among the various titles of shows and movies.

Upon searching for a word or a phrase, the user will be presented with any movie or show whose title contains this word or phrase.

This feature allows the user to search for the desired title, even in cases when their memory fails them.

Additionally, this page provides the user with the ability to view titles belonging to a specific genre, as chosen by the user from a dropdown menu. The titles are presented in descending order by popularity, and allows the user to search for an especially popular title in their favorite genre.

#### *Actors*

The actors page provides the user with four different tables, each providing him or her with the ability to perform a step in the path to finding new titles.

The first table allows the user to select a genre from the dropdown menu and be provided with popular actors in that particular genre. This is done by presenting actors who acted in a movie whose vote count is higher than average for this genre and whose rating is above 8. This would allow the user to find new actors in their favorite genre, which would then allow them to search for titles in which they appeared.

The second table allows the user to determine a certain date range and receive in return a list of actors who acted in more than three movies or more the three shows during this time period. The actors are order by the number of movies, which allows the user to find an especially active actor and focus on their work.

The third table is very similar to the second one, except that it also requires the titles to be profitable and popular. Specifically, it requires more than three movies whose revenue is at least 6.5 times their budget and whose popularity exceeds 100, or more than three shows whose popularity exceeds 100. This allows the user to focus on a specific time period and follow the career of one especially successful actor.

The fourth table provides the user with the ability to find titles based on an actor's name. This table complements the three tables above it and allows the user follow the works of one actor. All titles also indicate whether they are a movie or a show.

### *Foreign Language*

This page provides the user with a list of various languages and allows him or her to choose one from a dropdown menu. The user is then presented with two tables, the first one for movies and the second one for shows. Both tables provide the user with a list of title whose main language is as chosen, ordered by their popularity.

This feature allows any user to expend their horizons by viewing new non-English titles, as well as aiding any non-English speaker in their search for new titles.

### *Credits*

The credits page focuses specifically on directors, producers, actors, and the relation between them.

The first table presents the user with a list of all directors and the number of movies they directed. The table is ordered by the number of movies and allows the user to easily find a new favorite director.

The second table presents the user with a list of all producers and the number of shows they produced. The table is ordered by the number of shows and allows the user to easily find a new favorite producer.

The third table is dedicated to the relation between directors and actors. Since it is obvious that a good movie requires both a good director and a good cast, the table presents the user with carefully selected actor-director pairs who worked together in at least seven movies, all of which had a rating higher than 5.

The fourth table works similarly but for producers. It presents the user with carefully selected actor-producer pairs who worked together in at least seven shows, all of which had a rating higher than 5.