Abstract

We have developed a Movie database system, where the information regarding Actors, Directors, Movies, Reviews, ratings etc will be saved. Going through the project description and websites like "IMDB", we have identified few entities, found the relationships between them, Constructed the database, scrapped the data from IMDB, Inserted the data into Database and Designed an UI in WINDOWS using MySql and PHP.

This project aims at creating on ''Movie Database System" which can be used by Admin and Users. The Admin to publish and Update the details of different different Movies and TV shows, where as User can use for finding details of movies and TV Shows.

While the IMDb movie database serves as a useful repository of movie information, it's use as a source for aggregate movie reviews is limited. While sites like Rotten Tomatoes serve as a community portal for reviewers to come together as a community and collectively rate movies, they fall short in their ability to allow the user to quickly track the contributing artists that are part of the movie production (i.e. directors, actors, producers, etc.).

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Introduction

The entire project of Movie Database has been developed in 'ubuntu'. We have implemented the front end of the UI using 'HTML' and we made use of 'MySQL' to create, store and modify the Database and its data. The Front end i.e. HTML pages were connected to the DBMS using 'PHP'. SQL tables can be accessed and modified using the internal library of PHP. The developed system can be hosted on any server, in our case we used Apache Xampp on Windows localhost server to host the same.

While the IMDb movie database serves as a useful repository of movie information, it's use as a source for aggregate movie reviews is limited. While sites like Rotten Tomatoes serve as a community portal for reviewers to come together as a community and collectively rate movies, they fall short in their ability to allow the user to quickly track the contributing artists that are part of the movie production (i.e. directors, actors, producers, etc.). Additionally, box office receipts and weekly standings aren't a component of either, but remain the focus of sites such as Hollywood Reporter. In order to create a more comprehensive site for Everything Movies, the database schema must be comprehensive enough to allow for multiple simultaneous queries (generated from HTML user forms through a JSP tag library architecture) through a "round-robin" JDBC connection pool, while still allowing for real time updates and contributions by the user community. Also, the schema must be designed to allow for table abstraction across a hardware topology with an index that exists upon its own network server (again for ease of scalability across a server topology as the connection pool grows to accommodate the anticipated user community.

"Movie Database System " has been designed to computerized the following functions that are performed by the system:

1. View
   1.1 Details of All Person related to Movies or TV Shows
   1.2 Details of Movies and TV Shows
   1.3 Details of Reviews

2. Search
   2.1 Search Actors or directors or rest of cast of particular Movies or TV Shows.
   2.2 Search Movies or TV Shows of a particular Actor or Director.
   2.3 Rating of Movies
   2.4 Grossing of Movie or TV Shows worldwide
   2.5 Search Movies on based on Genres.
3. Add
   3.1 Add Actor and its Details
   3.2 Add Director and its Details
   3.3 Add Review
   2.1 Search Actors or directors or rest of cast of particular Movies or TV Shows.

4. Update

   4.1 Update by Admin.

   4.2 Update Suggestion by Users.

Requirement

Hardware Requirement Specification

Processor – AMD Ryzen 5 4600H with Radeon Graphics, 3000 Mhz, 6 Core(s), 12 Logical Processor(s)

RAM – 8GB D DR4 RAM

ROM – 512GB SSD and 1TB HDD

Operating System - Windows 10 Home

System Type - 64-bit Operating System,x64-based processor

Software Requirement Specification

Software Used:

- Xampp
- PhpMyAdmin
- VS Code
- MySQL Shell
- MySQL Workbench
- Chrome or Any Web Browser

Front-end:

- HTML, PHP
- CSS
- JS

Back-end:

- PHP
- Shell -For shell scripting

Database & Server:

- MySQL
- Apache Xampp