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A Visual Showcase of Movie Title and Rating

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Abstract: In this project, we'll create a movie title and rating of top 250 movies that IMDB has selected for shortlist. The Django and Tkinter frameworks will be used in this project to give a userfriendly interface, and Python will be used to develop it. There will be two components in the project: a backend module and a frontend module. The backend module will utilise Django to build a web app that scrapes the IMDb website to gather movie information. A CSV file will also be created by the module with the movie information. To show the movie information collected from the backend, the frontend module will use Tkinter to build a GUI. Ultimately, we utilise movie ratings to teach the young people of today about the substance of movies, assisting them in choosing which films are recommended for viewing. You may create effective cross-platform apps with its support for a wide range of packages, GUI libraries, and web frameworks. python is the perfect language for developing applications quickly. The combination of Python and Tkinter makes it simple to construct GUI applications. A high-level Python web framework called Django makes it possible to create secure and dependable websites quickly. A desktop application that enables the user to export the movie data to a CSV file will be made using the Tkinter framework. The user can decide which fields, such as title, rating, release date, and runtime, should be included in the CSV file.

Keywords: Tkinter, Django,

Csv file, IMDB APL.

1.INTRODUCTION

The IMDb Top 250 is a highly regarded list that ranks the best movies based on user ratings on the popular movie database IMDb (Internet Movie Database). It is considered a significant indicator of audience preferences and serves as a reference for movie enthusiasts and critics alike.The rankings on the IMDb Top 250 list are determined by user ratings, which means that the movies are ranked based on the votes and reviews submitted by millions of IMDb users. Each user can rate a movie on a scale of 1 to 10, and the overall rating of a movie is calculated based on these individual user ratings. The more positive ratings a movie receives, the higher it ranks on the list.The IMDb Top 250 list includes a diverse range of movies from various genres, time periods, and countries. It encompasses classic films, contemporary blockbusters, independent gems, and foreign-language masterpieces. This diversity reflects the broad range of tastes and preferences among IMDb users and showcases the global impact and popularity of these movies.It's important to note that the IMDb Top 250 list is dynamic and changes over time. New movies are added to the list as they gain popularity and receive high ratings, while others may drop off or change positions as user ratings fluctuate. Therefore, it's advisable to consult the official IMDb website or IMDb API for the most

up-to-date rankings.The IMDb Top 250 list is a valuable resource for movie enthusiasts and provides a starting point for exploring some of the most highly acclaimed and beloved films across different genres and cultures. Whether you're seeking timeless classics or discovering hidden gems, the IMDb Top 250 serves as a guide to discovering exceptional movies that have resonated with audiences worldwide.

II. LITERATURE REVIEW

The IMDb Top 250 list is subjective and dynamic, as it reflects the collective ratings and opinions of IMDb users. The list consists of a diverse range of films from different genres, eras, and countries, and it is updated regularly based on user ratings. The rankings are determined by the average rating given by users who have rated the films on a scale of 1 to 10.

The significance of the IMDb Top 250 list lies in its influence on popular culture and film enthusiasts. Many movie lovers and cinephiles use the list as a reference point to discover highly acclaimed films and expand their cinematic knowledge. It serves as a guide for people seeking recommendations and a starting point for exploring movies beyond mainstream offerings.

The list includes a mix of classic films, critically acclaimed works, and popular blockbusters. It encompasses a wide range of cinematic achievements from different countries and cultures, highlighting the universal appeal of movies as an art form. The IMDb Top 250 list has also contributed to the recognition and appreciation of lesser-known films and filmmakers, providing exposure to works that might otherwise go unnoticed by mainstream audiences.

It's worth noting that while the IMDb Top 250 list is widely referenced and used as a measure of a movie's popularity and quality, it is not without its limitations. The list represents the opinions of IMDb users, which may not necessarily align with the views of professional film critics or academic experts. Additionally, the rankings can be influenced by factors such as recency bias, cultural preferences, and demographic biases of the user base.

III.PROBLEM STATEMENT

Requirements:

The program should fetch the necessary data from a reliable source, such as the IMDb database or an IMDb API.

The program should retrieve and display the title and rating of each movie.

The movies should be sorted in descending order based on their IMDb ratings.

The program should display the top 250 movies based on their IMDb ratings.

The program should provide a user-friendly interface to view the movie titles and ratings.

Constraints:

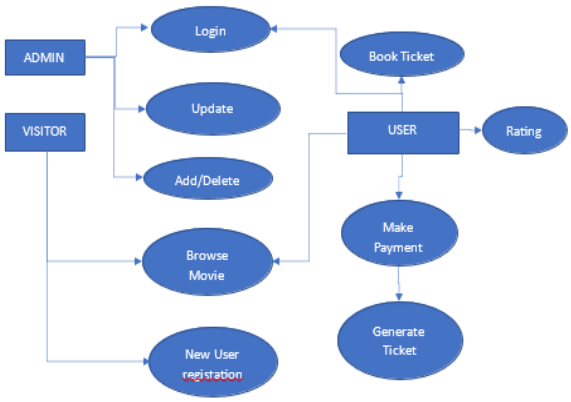
The program should be implemented in a programming language of your choice.

The program should handle potential errors or exceptions that may occur during data retrieval or display.The program should ensure the accuracy and correctness of the retrieved data.

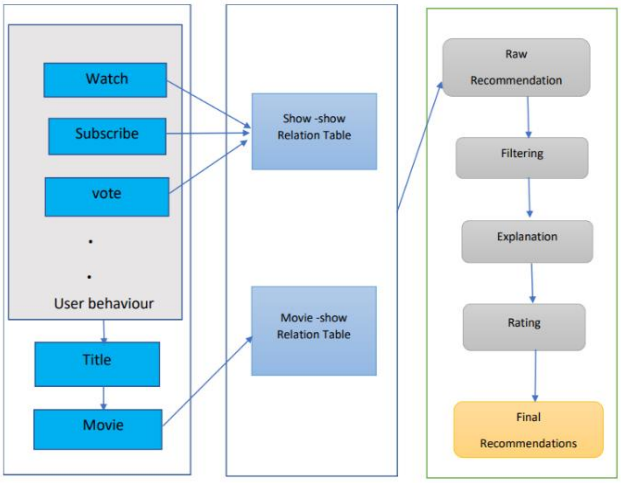
Note: The IMDb rating is a measure of a movie's popularity and quality, typically ranging from 1 to 10, with higher ratings indicating better movies. The top 250 movies refer to the 250 movies with the highest IMDb ratings.

IV. METHODOLOGY

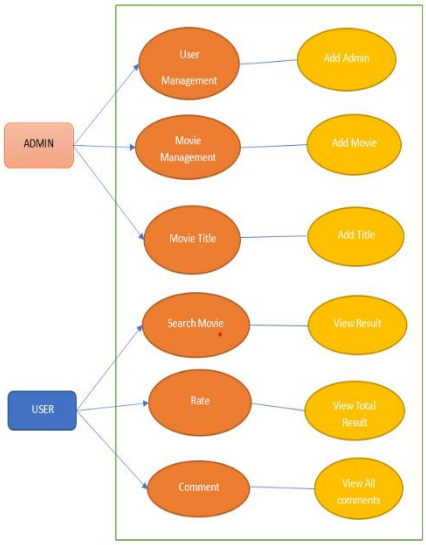
The methodology has included the architecture with Watch , subscribe ,vote as user behaviour and Movie , Title .The movie relates to Movie-show relation table . And the user behaviour relates to show-show relation table Both show-show and movie-show relation linked to Raw Recommendation followed by Filtering , Explanation, -Rating and Final Recommendations.



Achitecture:



UML DIAGRAM:



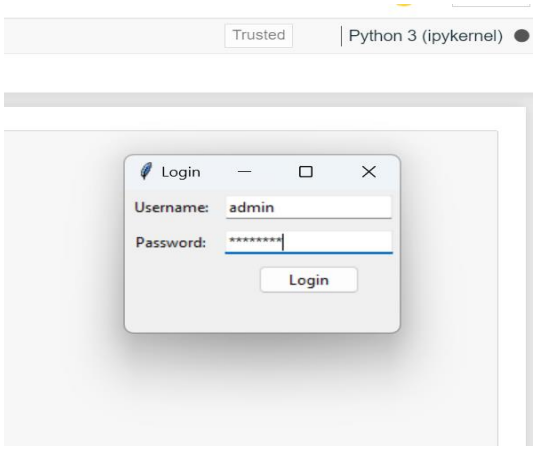
DFD DIAGGRAM:

The Data Flow Diagram shows that the Admin and Visitor process. The admin handles Login , Update , Add/Delete commands. Visitor first has to complete the registration process, than the visitor is threaten as user.Now the user can book the tickets, and give rating to the movie.

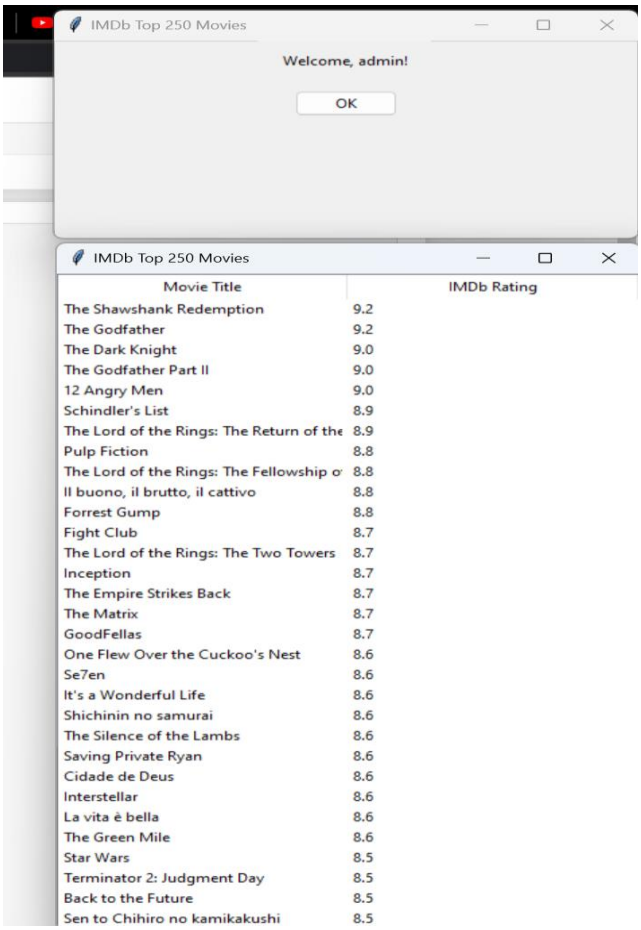
V. EXPERIMENTAL RESLTS

In this project, the top 250 movies titles and rating has been displayed based on the IMDB rating . Tkinter and Django module has been used in this project. And there is a login page to see the list of top 250 movies title and rating .The results of the project are the login page , with user id and password. After the login process completed the main slide will display which is containing the title and raing of movies.

LOGIN PAGE:



MOVIE TITLE AND RATING PAGE:



VI. CONCLUSION:

In conclusion, this project aims to create a user-friendly interface that will display the top 250 movies that IMDb has shortlisted along with their ratings. The project utilizes Python programming language, Django web framework, and Tkinter GUI library to develop both backend and frontend modules. The backend module uses web scraping techniques to extract movie information from the IMDb website, and this information is then stored in a CSV file. The frontend module, built with Tkinter, creates a GUI that allows users to view and select movie data fields, such as title, rating, release date, and runtime, to export as a CSV file.Overall, this project showcases the power of Python and its

libraries in building robust and user-friendly applications. With its ability to handle large amounts of data, extract information from websites, and create interactive GUIs, Python is an ideal choice for developing a project of this nature**.**

VII. FUTURE WORK:

Trailers and clips: Embed trailers and clips of the movies on the site to give users a better idea of what the movie is about and entice them to watch it.

Recommendations and related movies: Display recommendations for other movies based on the user's viewing history or the genre of the movie they are currently viewing. This can keep users engaged and encourage them to watch more movies.

Personalized movie lists: Allow users to create personalized movie lists and save their favorite movies for future viewing. This can provide a more tailored experience for users and encourage them to return to the site regularly.

Integration with streaming services: Integrate with popular streaming services like Netflix, Hulu, or Amazon Prime to allow users to watch the movies directly from the site. This can provide a more seamless experience for users and increase the site's usefulness.

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