

Movies-ADS-Mobin

ADSA Semester Project

Project overview

I used Python programming language and Flask framework to work on task give for movie database, I used ORM and SQLAlchemy and flask_sqlalchemy extention.

I used **class movies_tbl(db.Model)** for movie table, **class ratings_tbl(db.Model)** for rating table and **class cal_rate_tbl(db.Model)** for Claculated rating average.

All movies

Using flask to show all movies on website I used **index.html** page to display movies in pagination and in **home()** function I define the logive to get movies in pagination.

Search movie by title or half title

I implemented search bar on top of website in header of website where it very convenient to assess and it's user friendly.

In search bar you can enter full title or part of title to search and then click on search button and it will find movies and display in **search_results.html** and **search()** function is used to implement the logic of searching movies from database.

Filter movie criteria

I developed filtration implementation on **filter-search.html** where you can use filtration criteria like sort by, genres and number of movies in return as limit. I used **filter_search()** function to implement the logic of filtering data from database.

Bonus and Super Bonus

I did this bonus and super bonus tasks in notebook.

Bonus 1: Find users who have similar taste of movies.

I implemented this on 1 Million rating of movies because my PC was not able to handle more rows because of shortage of memory.

Super Bonus

I tried to to answer couple of question accordind to my understanding to get some usefull insights from movie database.