Documentation

MovieBase

Site for searching, collecting and storing movies.

Design of the database:
There are two tables:
Table User:
Columns:
Name: (Name of the Film)
Rating: (User rating)
Table Films:
Columns:
Name: (Name of the Film)
Genre: (Genre of the Film)
Country: (Country of Origin)
Year: (Year of Release)
Description: (Description of the Film)

Technologies:

- Python
- Flask
- HTML, CSS
- JavaScript
- MySQL
- mysql.connector library

Logic and functionality:
Name: Begin typing the movie title
Filters (optional):

Watched: checkbox
Genre: selection
Country: selection
Year: selection from, selection to

A list of movies where each is either rated or can be rated.
When a user rates a movie, it gets added to the User table.
A movie is considered watched if and only if it's present in the User table.
If a movie is watched, filter using a inner join; otherwise, using left join.

User Guide:
./setup_mysql.sh

```
All done!

MySQL database and user created.

Database: films_db

User: film_user

Password: film_password
```

pip install mysql-connector-python

python3 init.py

python3 run.py

Type the beginning of the movie name you want to search and optionally select filters. You will see movies, read their descriptions, and rate them.
By setting the checkbox, you will see only movies that you rated.
You can use only filters to find movies according to your preferences from our database.

Individual roles and responsibilities within the team:

Frontend and backend: Iaroshevich Mikhail

Database management: Roman Mishura

Merging and testing: Grigorii Braulov

Project's design, documentation and presentation: Liutova Iuliia