A Mini Project Report

on

“Movie Database and Review System”

Submitted by

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DBMS Mini Project: Movie Database and Rating Systems

Abstract:

Despite lot of movie database and review websites, we decided to make this website as there are many underrated films which don't get as much exposure as they deserve.

There are websites like www.imdb.com and www.rottentomatoes.com with rich amount of the data but the user must open at least 3-4 websites to view all the data. So, this project was started with the intention of developing a one-stop destination for the user to view all the data.

We also bring about a review of our own, wherein the ratings of the movies depend on the average ratings of our users. A lot of validations and other aspects of better UI and experience is what makes our website better than the other current movie review databases online.

Acknowledgement:

There are websites like www.imdb.com and www.rottentomatoes.com with rich amount of the data but the user must open at least 3-4 websites to view all the data. So, this project was started with the intention of developing a one-stop destination for the user to view all the data.

1. Introduction:

1.1 Purpose:

To provide users one stop destination, for all types of movies based on different types of genres.

To act as a common platform for all interested “movieholics” to share their ideologies and share more platforms.

1.2 Scope:

- Admin can add new movies and all the information regarding to it and can rate it.
- Admin also sorts the various movies and TV series under numerous categories related to genre, language and ratings.
- Users can view the information and can add their personal ratings and reviews to individual movies.
- Users can also request admin for change in information regarding specific movie if he/she feels that the information is incorrect or not sufficient. Hence, admin can accordingly edit the information and update the database.

1.3 References

- https://www.imdb.com/
- https://www.w3schools.com/php/DEFAULT.asp
- https://www.rottentomatoes.com/

1.4 Developers' Responsibilities: An Overview

To make sure that any form of sexual, racial, social discrimination doesn't take place.

A good product should be a complete all around socially accepted product which causes no harm to our society. The only functionality wherein these unacceptable things can occur is in our review section and that too has been solved in this particular website using various validations.

2. General Description

2.1 Product Function Perspective

a. Initially, the user will be compelled to create an account. If one tries to use the website without his/her account, he/she will be compelled to create one.
b. The user can then provide his/ her reviews on the movie after viewing its contents and the embedded YouTube video.
c. These are dynamically registered.
d. The admin has the option of adding new movies.
e. Also, if any form of complaints are registered against the users for using foul languages, then it will be reported to the admin.

2.2 User Characteristics.

- User can see general information about movies, review it.
- User will be able post comments in the comment section.
- User can bookmark any movie that he liked to view it again
- User can watch the movie trailer on the website itself.

2.3 General Constraints

- Admin is the only one who can verify as well as remove a particular user from the database.
- If the user is reported more than 10 times he will be reported to the admin for verification.

2.4 Developer Dependencies

- The developers are dependent basically on the functionalities of MySQL and PHP.
- However, if the scope of the project were to improve we would have to change the database system as well.

3. Specific Requirements

3.1 Inputs and Outputs

- Input:

  # User can register o signup page and input User Data.

  # Admin can input new movies into the database.

User can input reviews if they are logged in.

- Output:

  # Movie Information

  # Movie Genre

  # Reviews and reported users at admin page.

3.2 Functional Requirements

- Better user experience.
- Movies are categorized by types (new upcoming or currently running), genre, by language.
- People can choose their city.
- List top 10 trending movies, and by language and genre.

3.3 Functional Interface Requirements

User:

• must have a valid Username and password to login.

• who don't have their account in this site, can create a new account for sign-up.

• should not be allowed to have more than one profile with same username.

• can review the movies they want.

• shouldn’t use foul language in reviews else they’ll get reported automatically by the system.

4. System Design

4.1 ER Model

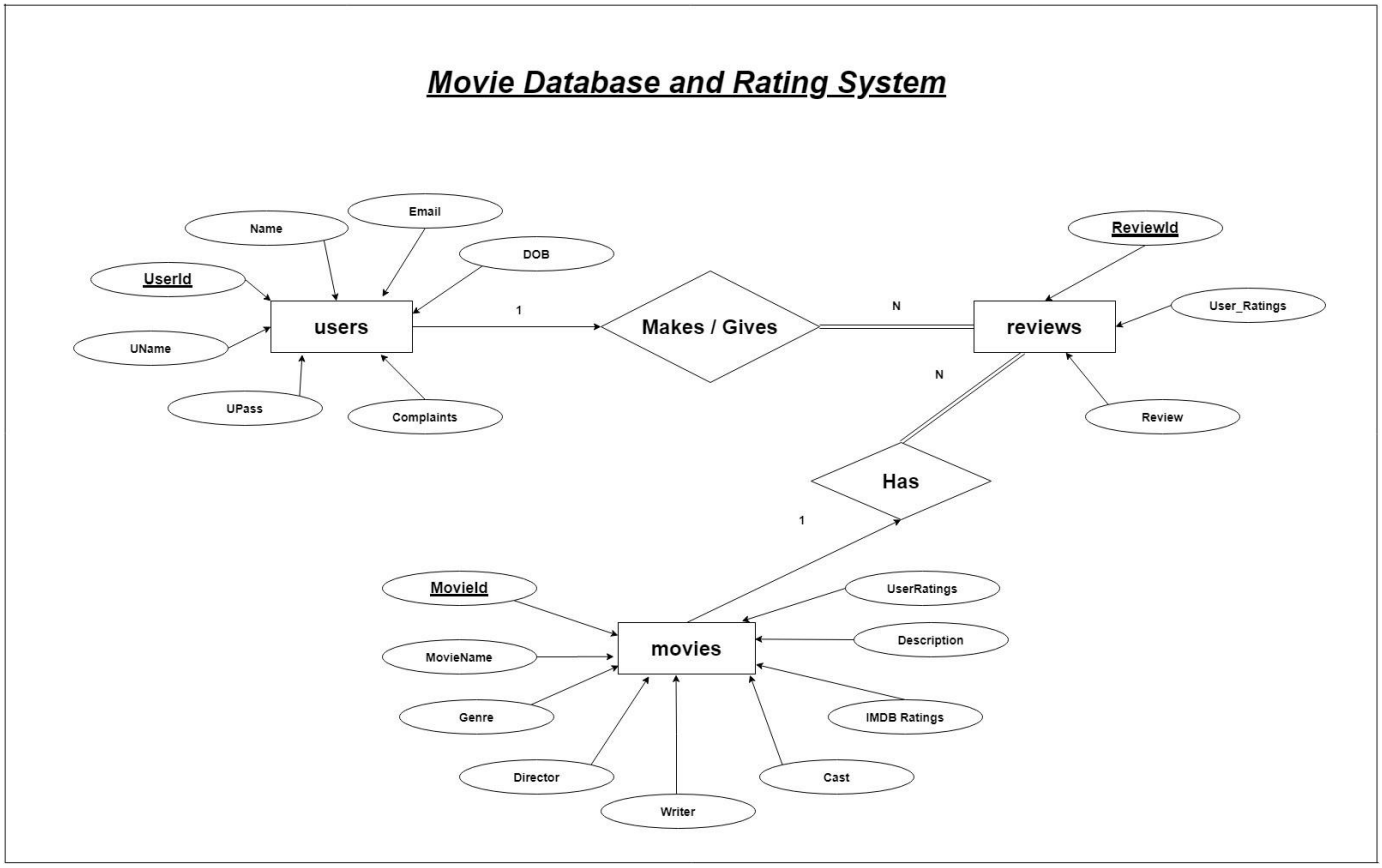


Fig. 4.1

4.2 Schema Description:

Name of database: Movie Database and rating system

Name of Tables:

1] users

2] movies

3] reviews

4.3 Tables Description:

[write the table attributes and its data types]

1] users:

```
(
  `UserId` int(10) NOT NULL AUTO_INCREMENT,
  `Name` varchar(100) NOT NULL,
  `Email` varchar(250) NOT NULL,
  `UName` varchar(100) NOT NULL,
  `UPass` varchar(100) NOT NULL,
  `DOB` date DEFAULT NULL,
  `Complaints` int(11) DEFAULT NULL,
  PRIMARY KEY (`UserId`)
)
```

2] movies

```
`MovieID` int(11) NOT NULL AUTO_INCREMENT,
  `MovieName` varchar(200) NOT NULL,
  `Genre` varchar(200) NOT NULL,
  `Director` varchar(200) NOT NULL,
  `Writer` varchar(200) NOT NULL,
  `Cast` varchar(500) NOT NULL,
  `IMDB Rating` float NOT NULL,
  `Description` varchar(1024) DEFAULT NULL,
  `UserRatings` float DEFAULT NULL,
  PRIMARY KEY (`MovieID`),
  KEY `MovieID` (`MovieID`)
```

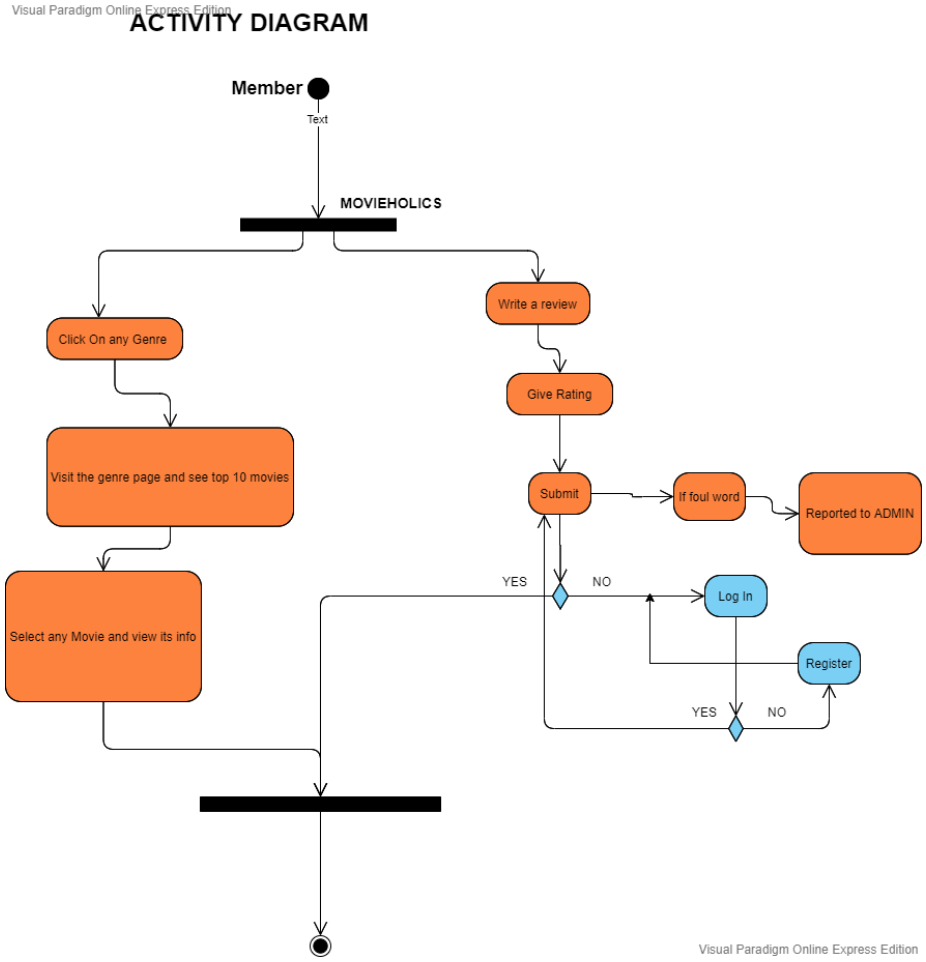
3] reviews

```
(
  `ReviewID` int(11) NOT NULL AUTO_INCREMENT,
  `UserID` int(11) NOT NULL,
  `MovieID` int(11) NOT NULL,
  `User_Ratings` float DEFAULT NULL,
  `Review` varchar(1024) DEFAULT NULL,
  PRIMARY KEY (`ReviewID`),
  KEY `UserID` (`UserID`),
```

KEY `MovieID` (`MovieID`)

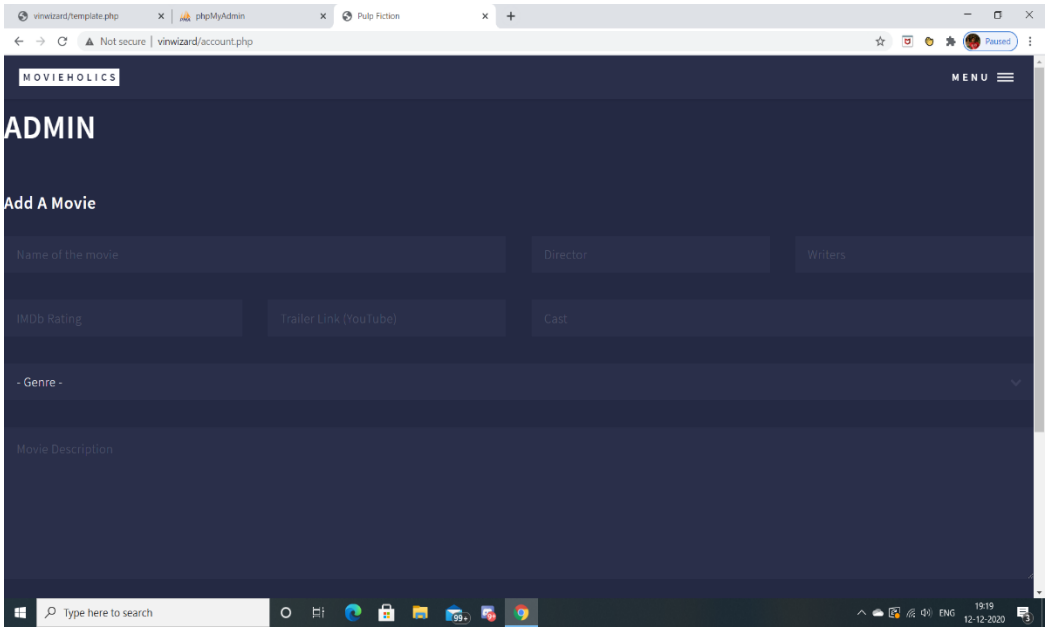
)

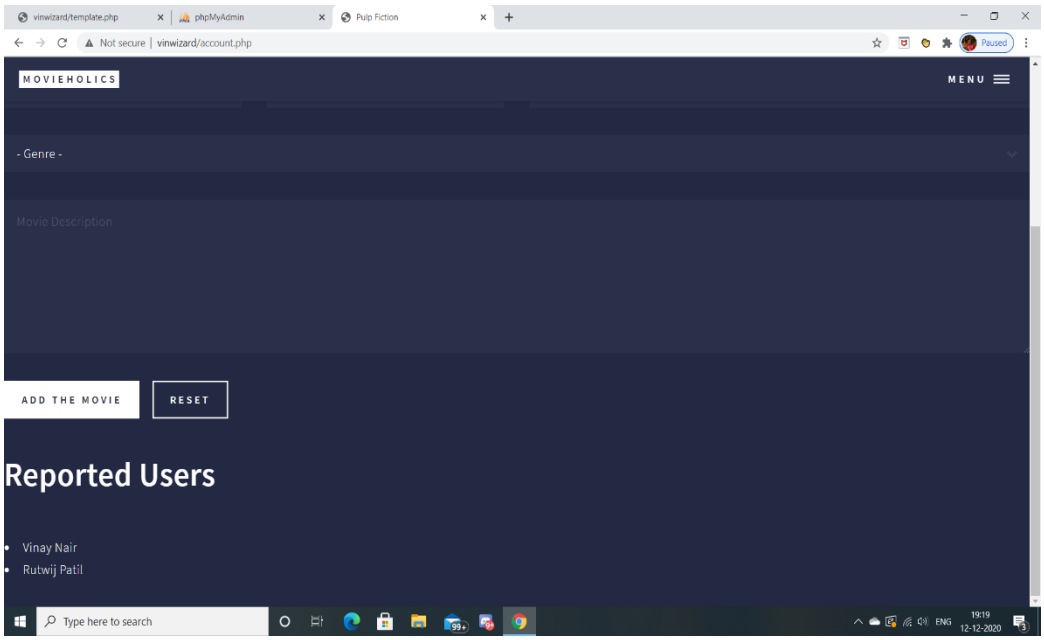
4.4 System Flow chart / Activity diagram:



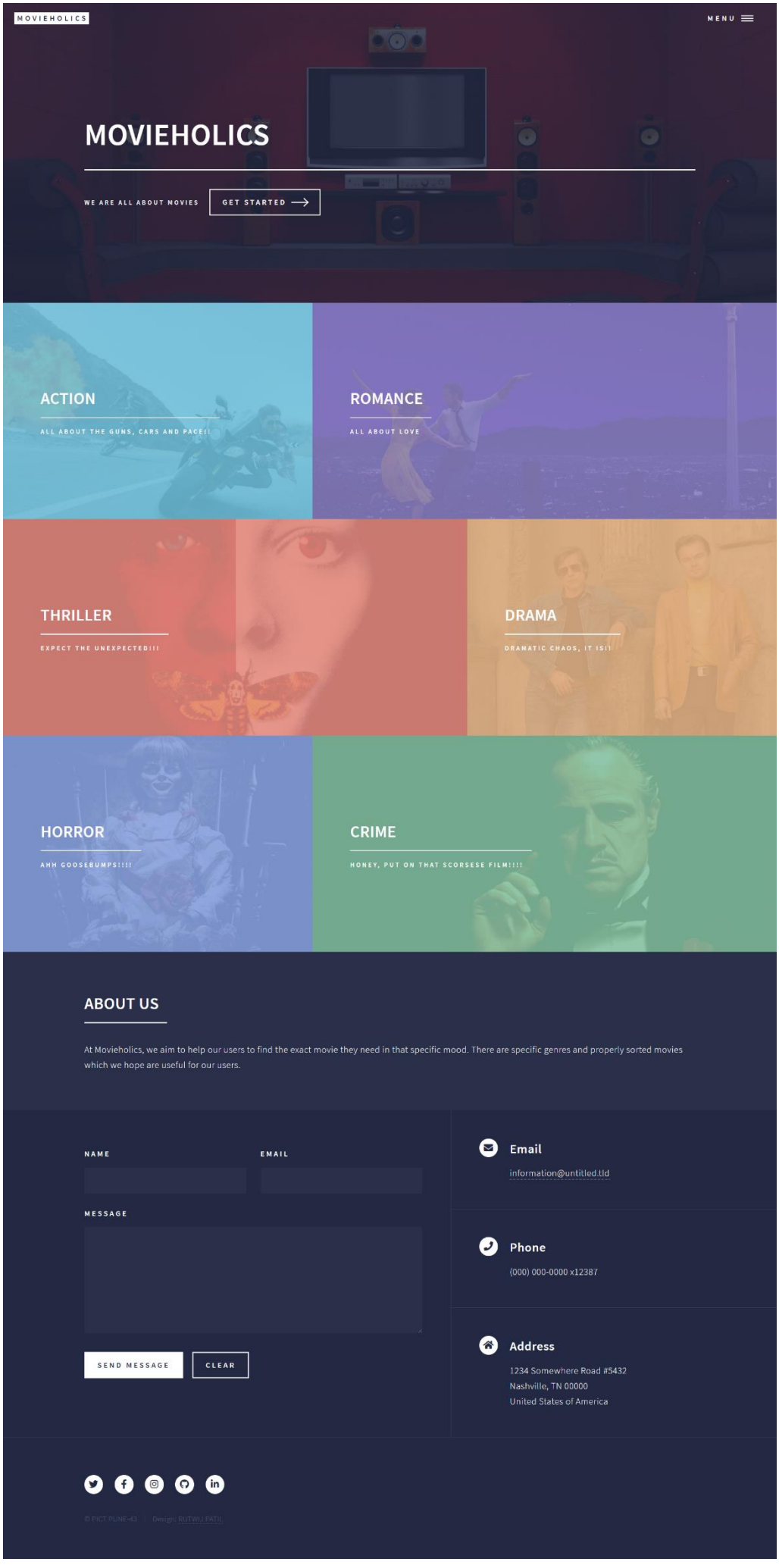
4.5 User Interface Design:

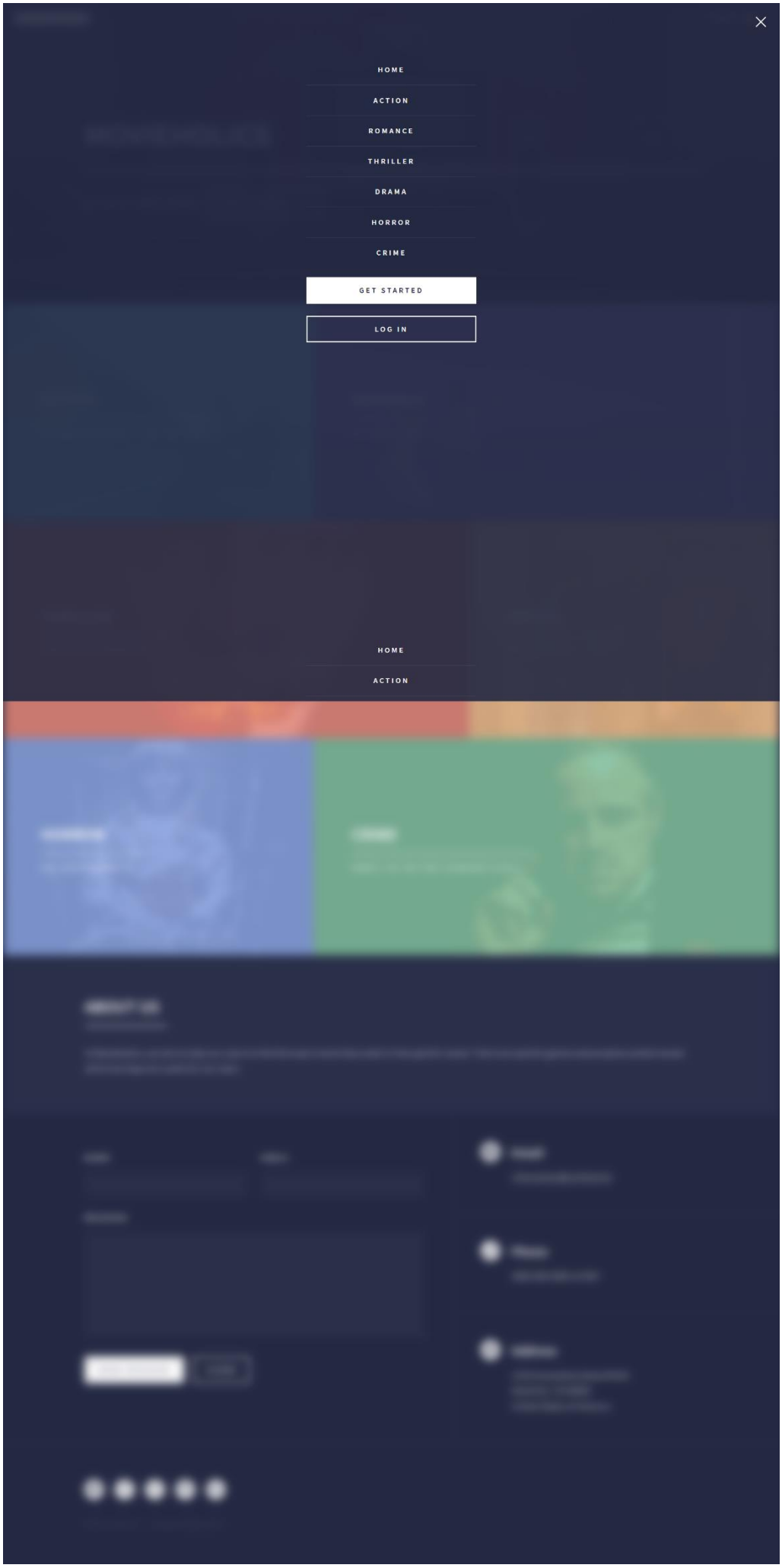
#Admin Page


vinwizard/template.php
phpMyAdmin
Pulp Fiction
Not secure | vinwizard/account.php
Paused
MOVIEHOLICS
MENU
ADMIN
Add A Movie
Name of the movie
Director
Writers
IMDb Rating
Trailer Link (YouTube)
Cast
- Genre -
Movie Description
Type here to search
ENG
19:19
12-12-2020

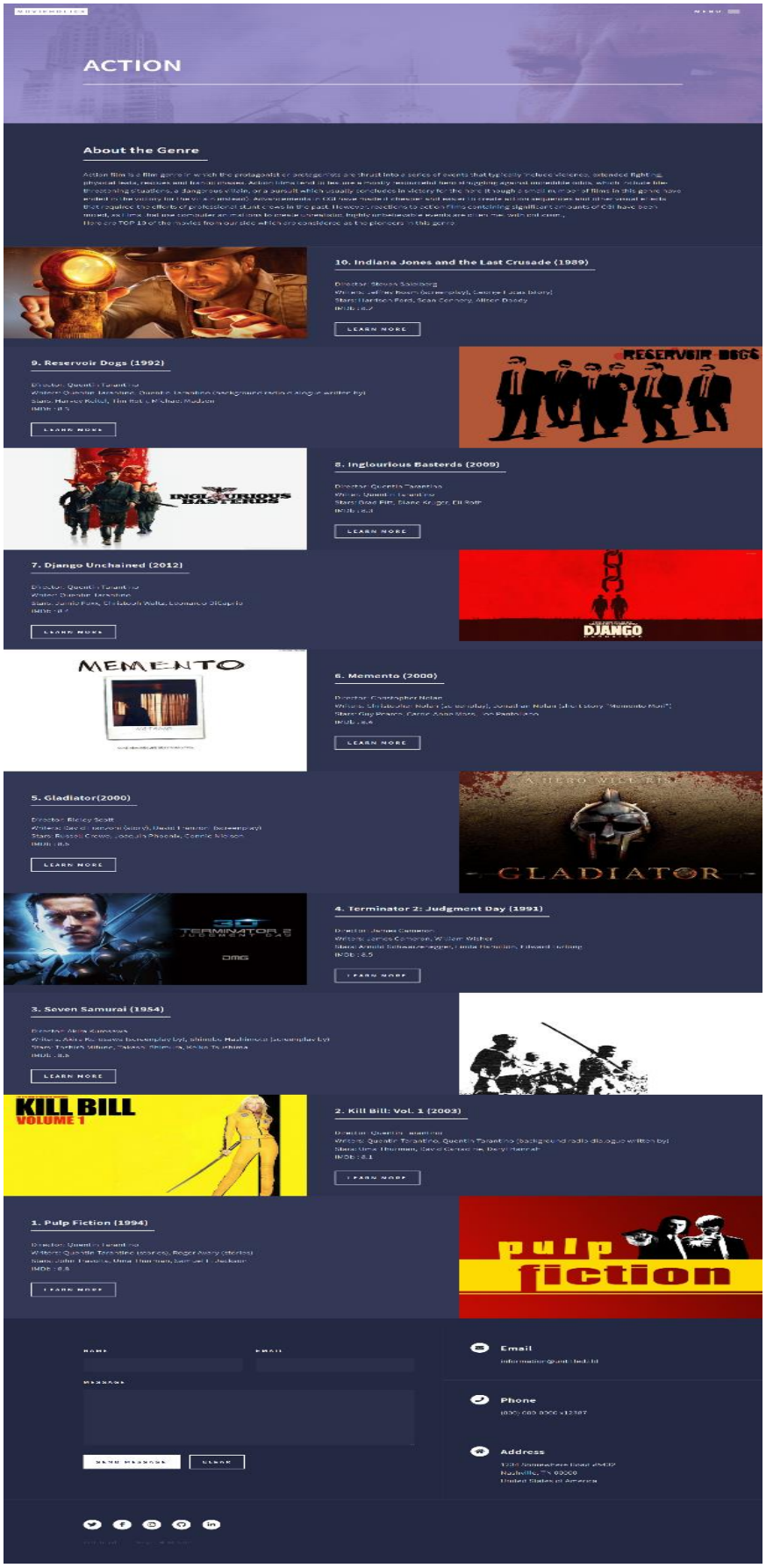

vinwizard/template.php
phpMyAdmin
Pulp Fiction
Not secure | vinwizard/account.php
Paused
MOVIEHOLICS
MENU
- Genre -
Movie Description
ADD THE MOVIE
RESET
Reported Users
Vinay Nair
Rutwij Patil
Type here to search
ENG
19:19
12-12-2020

Homepage

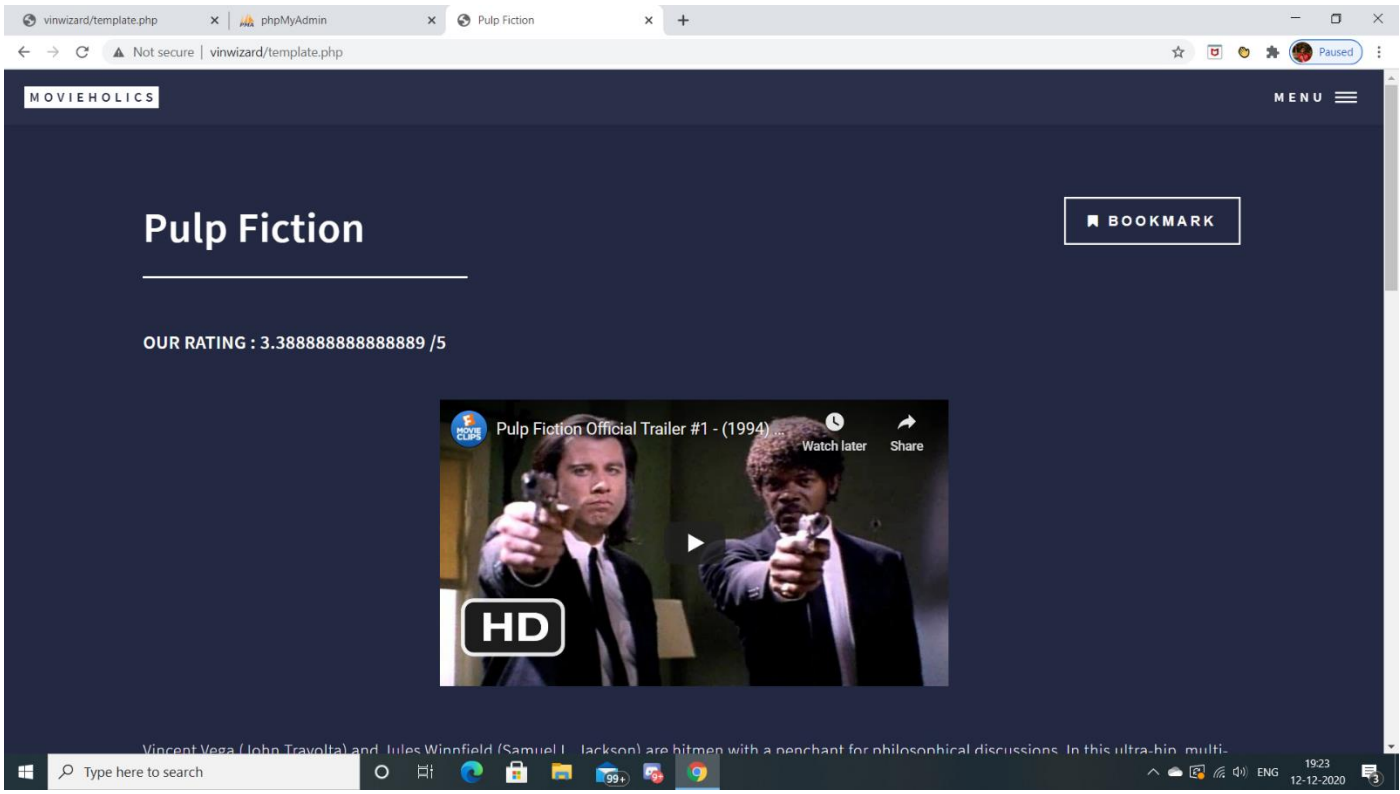

MOVIEHOLICS
MENU
MOVIEHOLICS
WE ARE ALL ABOUT MOVIES
GET STARTED
ACTION
ALL ABOUT THE GUNS, CARS AND PACE!!
ROMANCE
ALL ABOUT LOVE
THRILLER
EXPECT THE UNEXPECTED!!!
DRAMA
DRAMATIC CHAOS, IT IS!!
HORROR
AHH GOOSEBUMPS!!!!
CRIME
HONEY, PUT ON THAT SCORSESE FILM!!!!
ABOUT US
At Movieholics, we aim to help our users to find the exact movie they need in that specific mood. There are specific genres and properly sorted movies which we hope are useful for our users.
NAME
EMAIL
MESSAGE
SEND MESSAGE
CLEAR
Email
information@untitled.tld
Phone
(000) 000-0000 x12387
Address
1234 Somewhere Road #5432
Nashville, TN 00000
United States of America

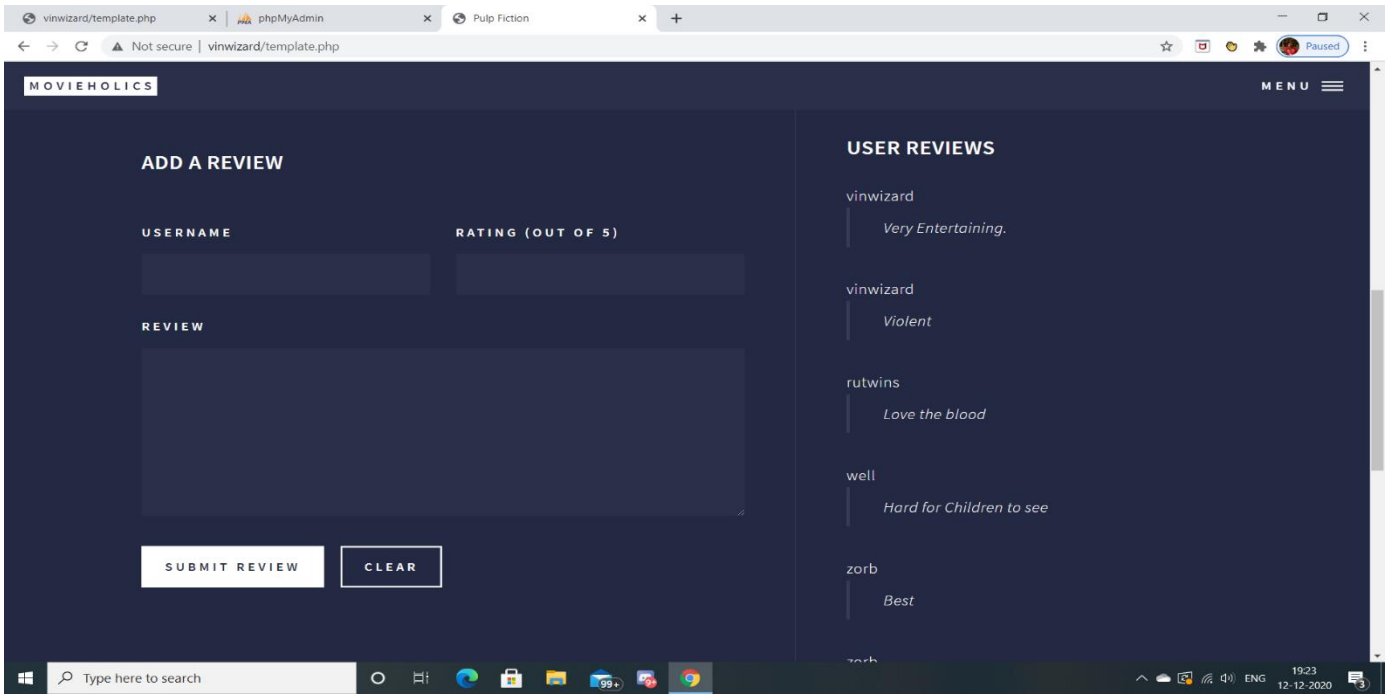

HOME
ACTION
ROMANCE
THRILLER
DRAMA
HORROR
CRIME
GET STARTED
LOG IN
HOME
ACTION

Genre Page:

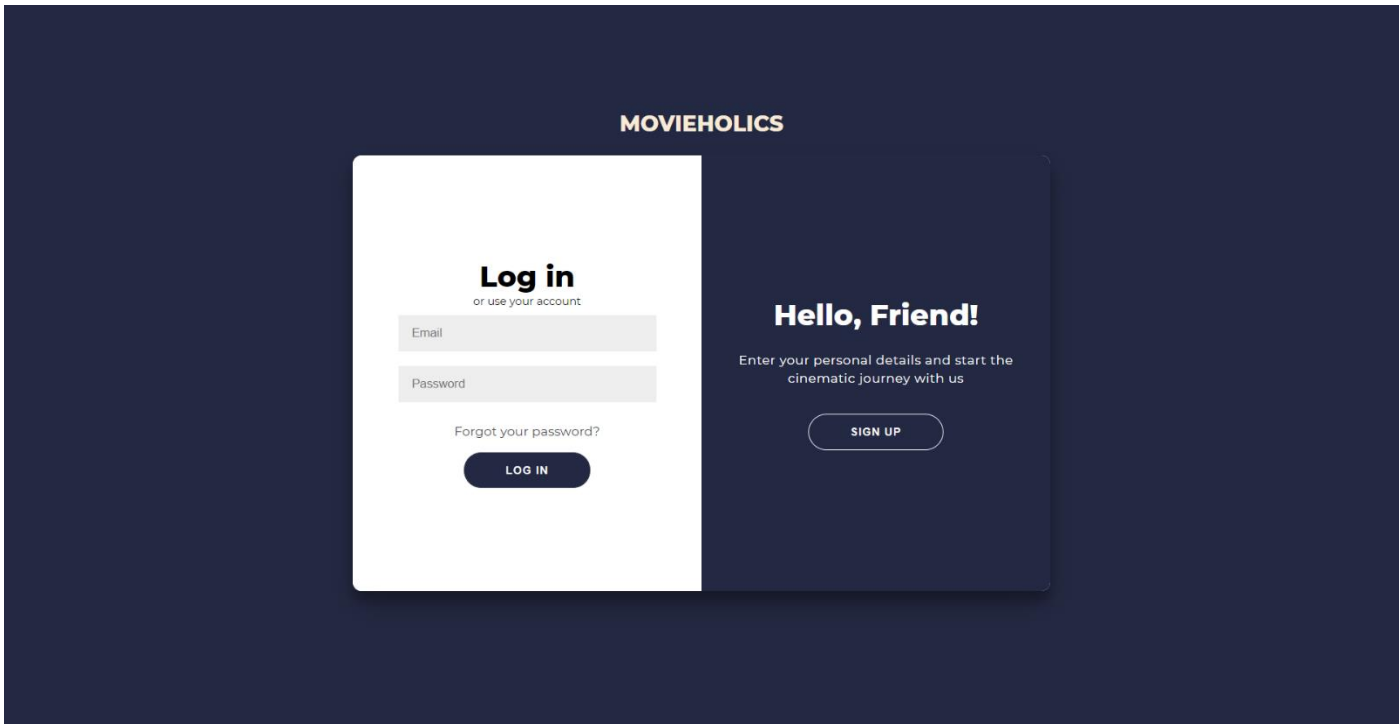

ACTION
About the Genre
10. Indiana Jones and the Last Crusade (1989)
LEARN MORE
9. Reservoir Dogs (1992)
RESERVOIR DOGS
LEARN MORE
8. Inglourious Basterds (2009)
INGLOURIOUS BASTERDS
LEARN MORE
7. Django Unchained (2012)
DJANGO
LEARN MORE
6. Memento (2000)
MEMENTO
LEARN MORE
5. Gladiator(2000)
GLADIATOR
LEARN MORE
4. Terminator 2: Judgment Day (1991)
LEARN MORE
3. Seven Samurai (1954)
LEARN MORE
2. Kill Bill: Vol. 1 (2003)
KILL BILL
VOLUME 1
LEARN MORE
1. Pulp Fiction (1994)
pulp fiction
LEARN MORE
Email
Phone
Address

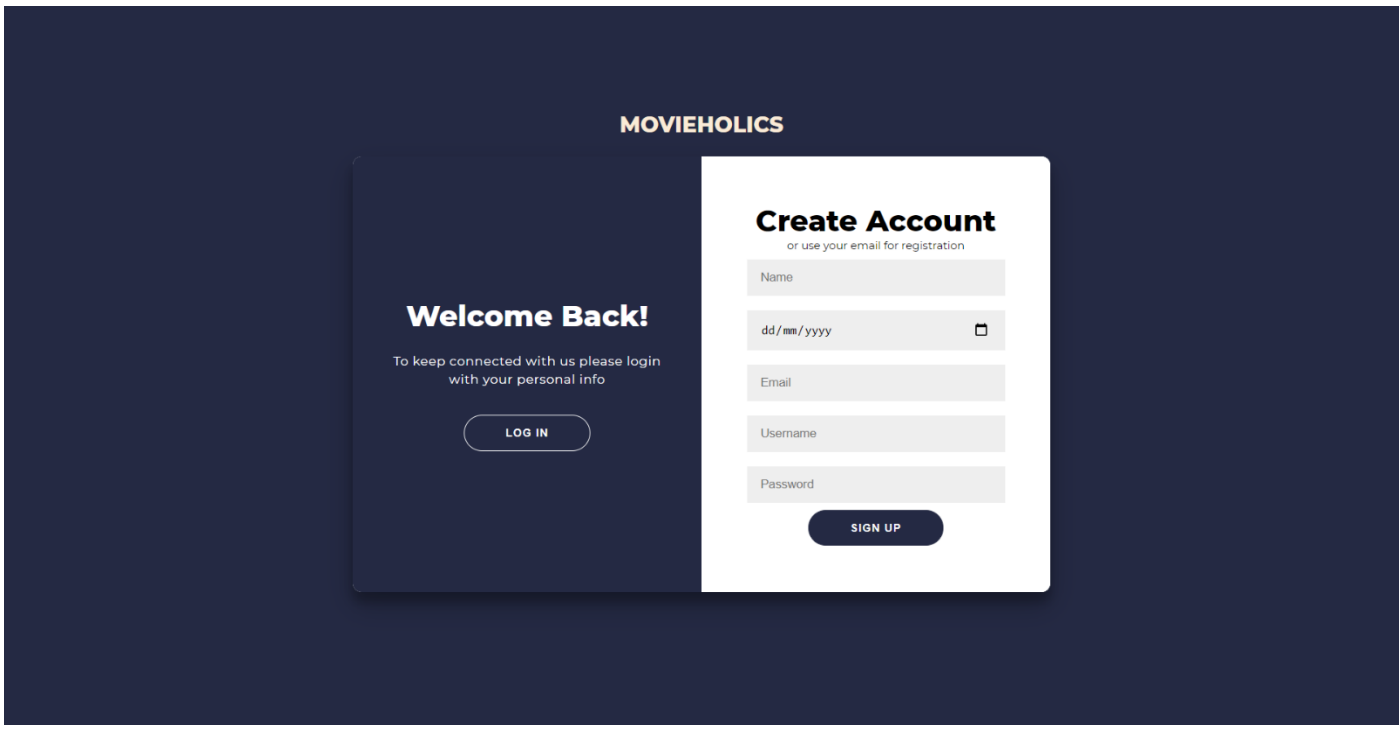
Movie Page:


vinwizard/template.php
phpMyAdmin
Pulp Fiction
Not secure | vinwizard/template.php
Paused
MOVIEHOLICS
MENU
Pulp Fiction
BOOKMARK
OUR RATING : 3.388888888888889 /5
Pulp Fiction Official Trailer #1 - (1994) ...
Watch later
Share
HD
Type here to search
ENG
19:23
12-12-2020


vinwizard/template.php
phpMyAdmin
Pulp Fiction
Not secure | vinwizard/template.php
Paused
MOVIEHOLICS
MENU
ADD A REVIEW
USERNAME
RATING (OUT OF 5)
REVIEW
SUBMIT REVIEW
CLEAR
USER REVIEWS
vinwizard
Very Entertaining.
vinwizard
Violent
rutwins
Love the blood
well
Hard for Children to see
zorb
Best
Type here to search
ENG
19:23
12-12-2020

Register/Log In :





5. System Implementation

5.1 Hardware and Software Platform description:

Hardware:

- normal laptop and internet connection.

Software:

- 1-Any windows based operating system (Windows 98/2000/XP/VISTA/7.0).
- 2-SQL server 2008/2005 as the DBMS for database.
- 3-VISUAL STUDIO 2010/2008 for coding and designing the website.

5.2 Tools used:

- XAMPP/WAMP
- https://app.diagrams.net/ (ER diagram)
- PHPMYADMIN

5.3 Future work / Extension:

- Movie theatres categorized by distance from you, by rating of services provided by movie theatres, no of screens, by timings of shows.
- Analysing the user comments to understand view of user about the movie
- Using NLP to report abusive or bad word comments

5.4 Conclusion

In a world in which we are facing so many problems our project helps the movie addicts to help them to watch the movies they like the most. This will help people to find a movie of interest in this time of lockdown. We have implemented a movie database system. It mainly keeps record of currently trending movies. Using PHP as Backend and MySQL as Database Storage we performed basic to advance database operations required. With some new concepts like triggers, views we successfully executed a PHP based mini project. We are extremely grateful to Prof. R. Murumkar, Prof. J.K. Kamble and the Pune Institute of

Computer Technology for this opportunity and would like to thank them wholeheartedly.

References:

- https://www.imdb.com/
- https://www.w3schools.com/php/DEFAULT.asp

- https://www.rottentomatoes.com/
- https://www.mysqltutorial.org/