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COLLEGE OF COMPUTING, INFORMATICS AND MATHEMATICS

BACHELOR OF INFORMATION TECHNOLOGY (HONS.)

GROUP

**CS2405C**

ICT600

**WEB TECHNOLOGY & APPLICATION**

INDIVIDUAL ASSIGNMENT  
(MOVIE WATCHLIST WEBSITE)

PREPARED BY:

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**SUBMISSION DATE**

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# 1.0 Project Description

A full-stack, web-based solution, the Movie Watchlist Web Application was built to enable customers to keep a personalized list of movies they want to watch with ease. The main goal of this project is to have one centralized location where users can securely register, log in, and have an always-accessible digital movie watchlist. It bridges the gap between simple note-taking software and the necessity of a formal movie tracking experience by providing user-level dashboards, CRUD (Create, Read, Update, Delete) operations, and integration with streaming websites.

MySQL was utilized as the database backend, server-side scripting was accomplished with PHP, and HTML/CSS and Bootstrap for the application frontend. JavaScript is also utilized, when necessary, interactive elements. The design that receives highest priority is a smooth, new-age-looking interface with glass morphism like appearances, which boosts user interaction and the overall user experience.

This project prioritizes responsive design, data security, and UI/UX over function. The program is available on several platforms since it supports both desktop and mobile view functionality. It also includes the ability to browse recommended films from other users and simply add them to an individual's own list, which increases inspiration and engagement in a community.

The platform provides an intelligent and visually driven context for one to create their movie passions without the use of third-party apps or scattered notes. It could be particularly useful for frequent movie users who wish for a personalized tool for tracking movies, platforms, and recommendations.

## 2.0 Features of the Website

### 1. User authentication

- Hashed passwords for safe registration and login procedures.
- Session management to maintain user anonymity and authentication.
- Prevents unwanted access to a user's personal information.

### 2. The User Dashboard

- Shows you the user's own watchlist in an organized way.
- Gives you full authority over each item of a movie.
- Dynamic User Interface: A user interface that adapts dynamically as per the input from the user.

### 3. CRUD (Create, Read, Update, Delete) for movies Activities

- Add a movie by typing its name, description, and platform link (e.g., YouTube, Netflix).
- Edit Movie: Change the current information of the movie with ease.
- Delete Movie: Delete unwanted entries.

### 4. Integration with Streaming Platforms

- Easy-to-spot platform buttons (e.g., IMDb's yellow and red of Netflix).
- Simple links enable one-click access by opening in a new tab.
- Reduces search time and is more convenient.

### 5. Recommended by Others

- To view the films added by other users.
- People can copy films into their own watchlist by pressing the "Add this movie to my list" button.
- Invites people to discover new films by relying on the suggestions of other people.

#### 6. UI and Responsive Design Beauty

- Bootstrap was utilized to create a responsive layout.
- Features in the glass morphism style for a futuristic appearance.
- For brand identity, use a consistent colour scheme and theme for every page.

#### 7. Modular and Maintainable Code Structure

- Dedicated PHP scripts for processing logic, dashboard, registration, and login.
- Centralized CSS files for style which can be reused.
- It's easy to add future features like user profiles, ratings, and genre filters.

#### 8. Security Points to Keep in Mind

- Prepared statements are used for database queries to defend against SQL injection.
- To minimize errors and deliver greater reliability, user input is validated.
- Passwords are hashed using `password_hash()` to store securely.

### 3.0 Screenshot of the Website

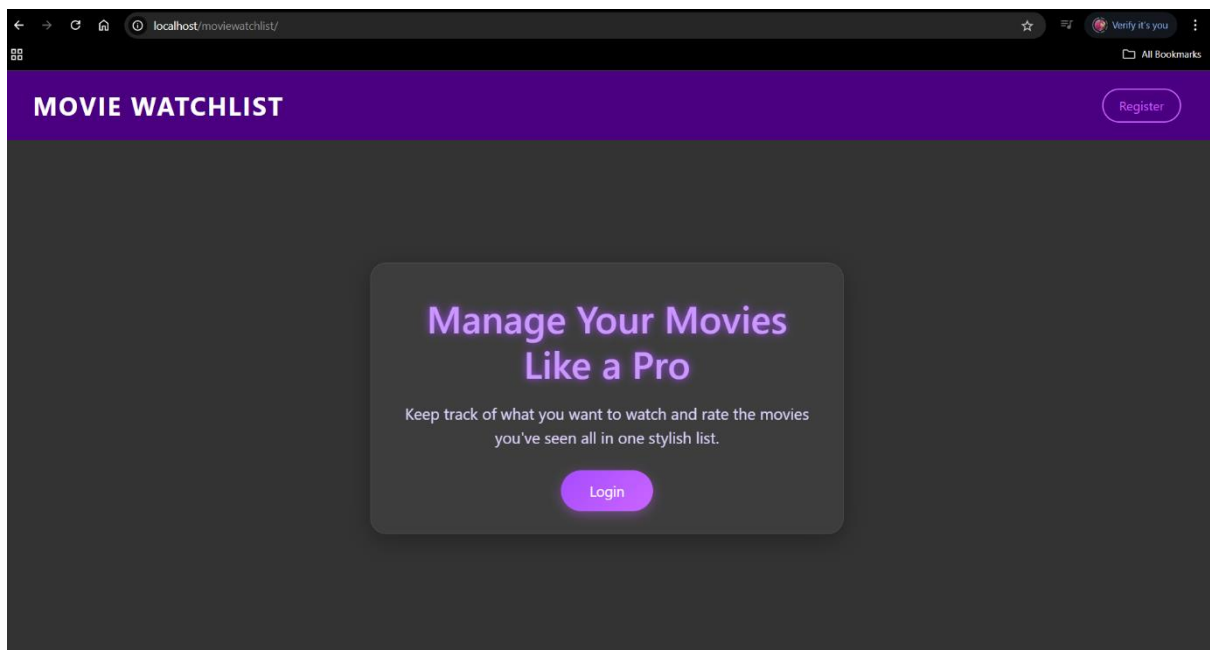


Figure 1: Index.php page

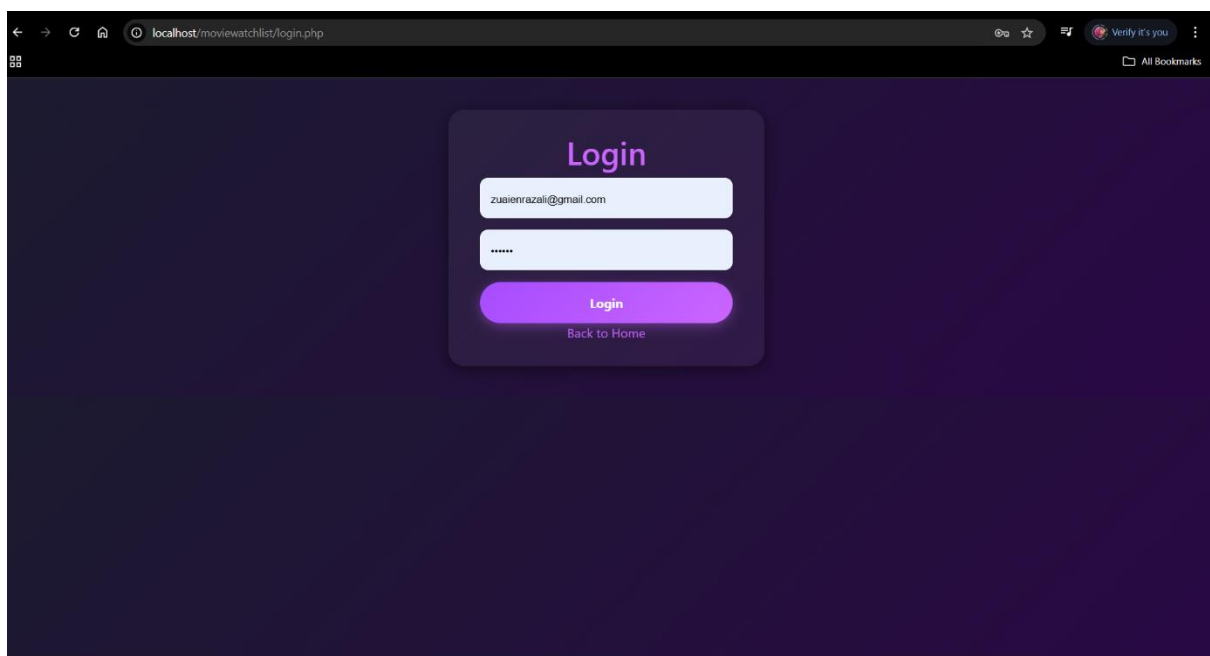


Figure 2: Login.php page

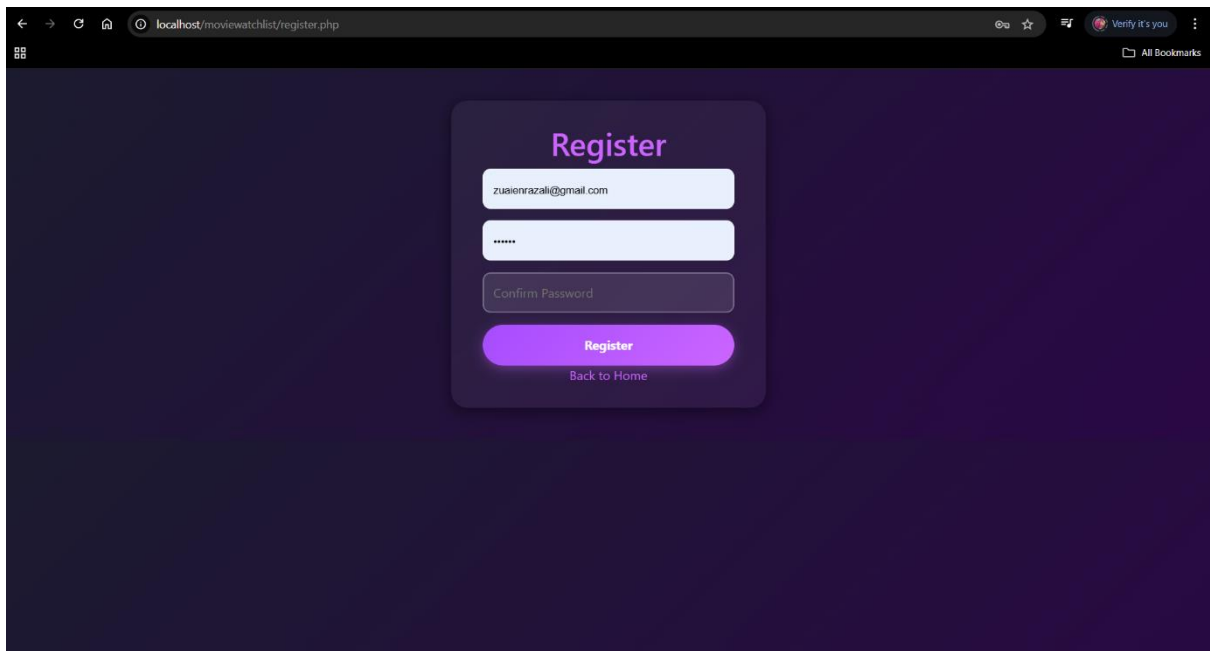


Figure 3: Register.php page

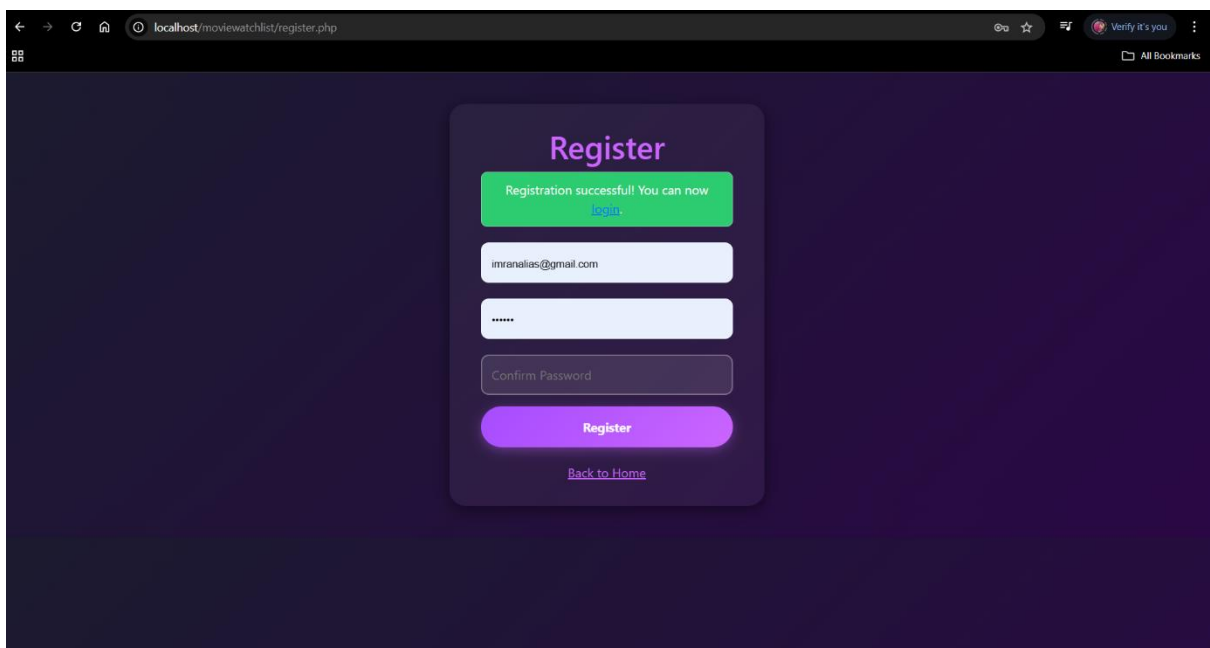


Figure 4: Register.php page

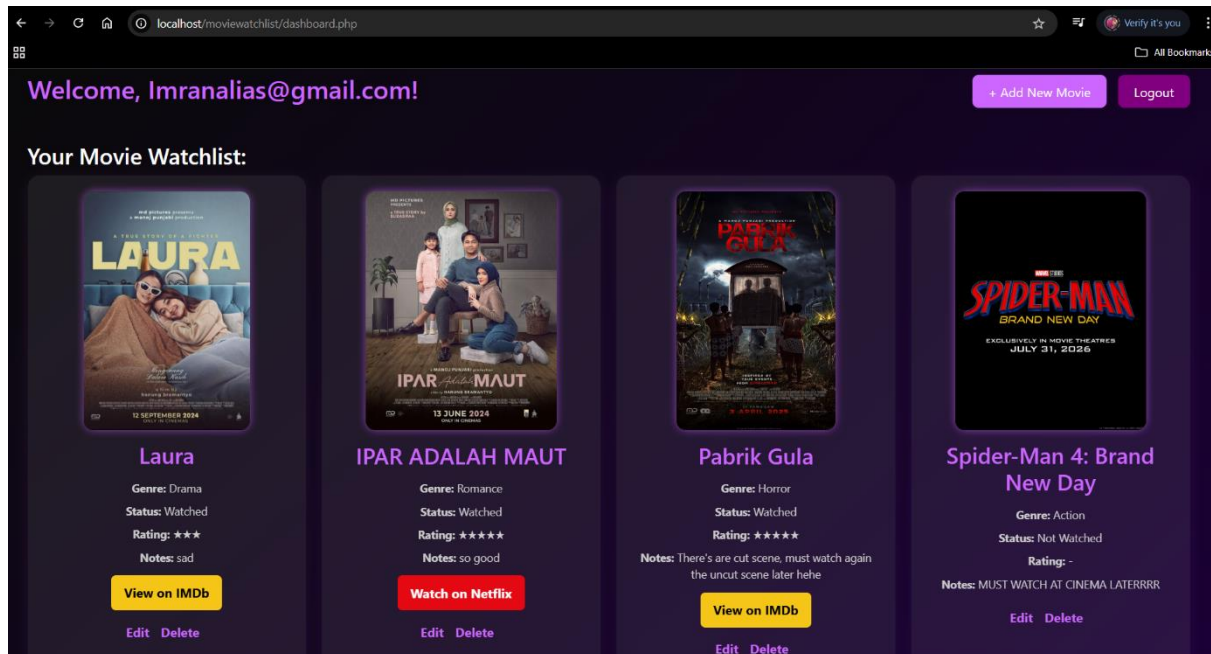


Figure 5: Dashboard.php page

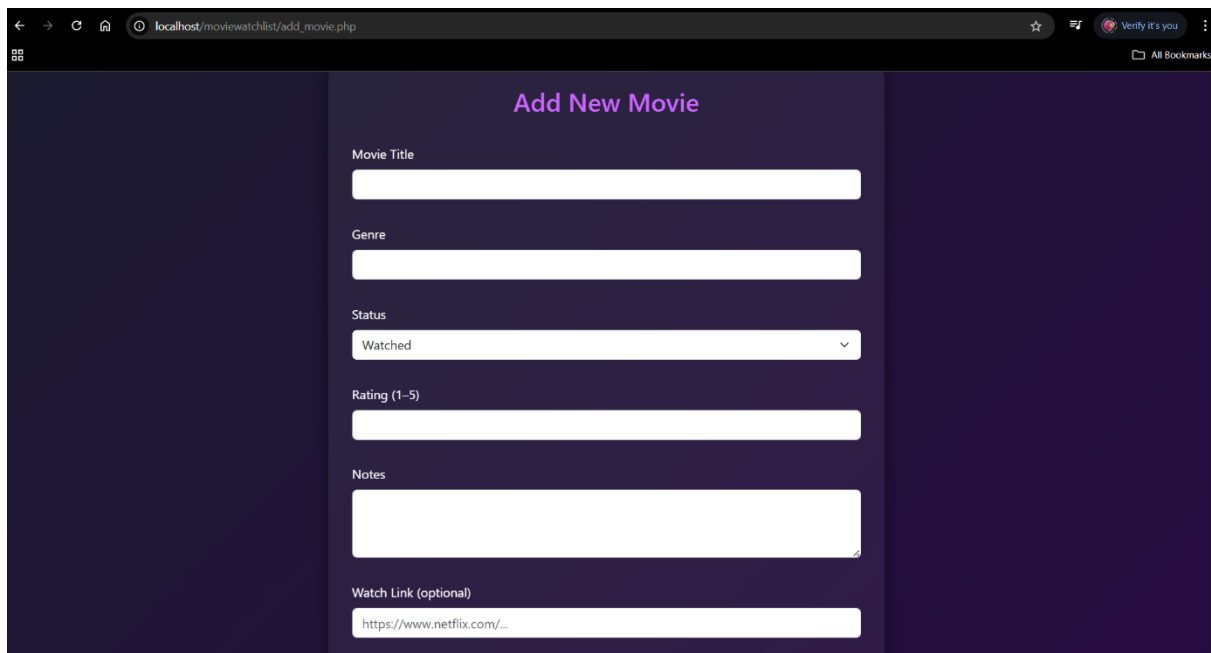


Figure 6: Addmovie.php page

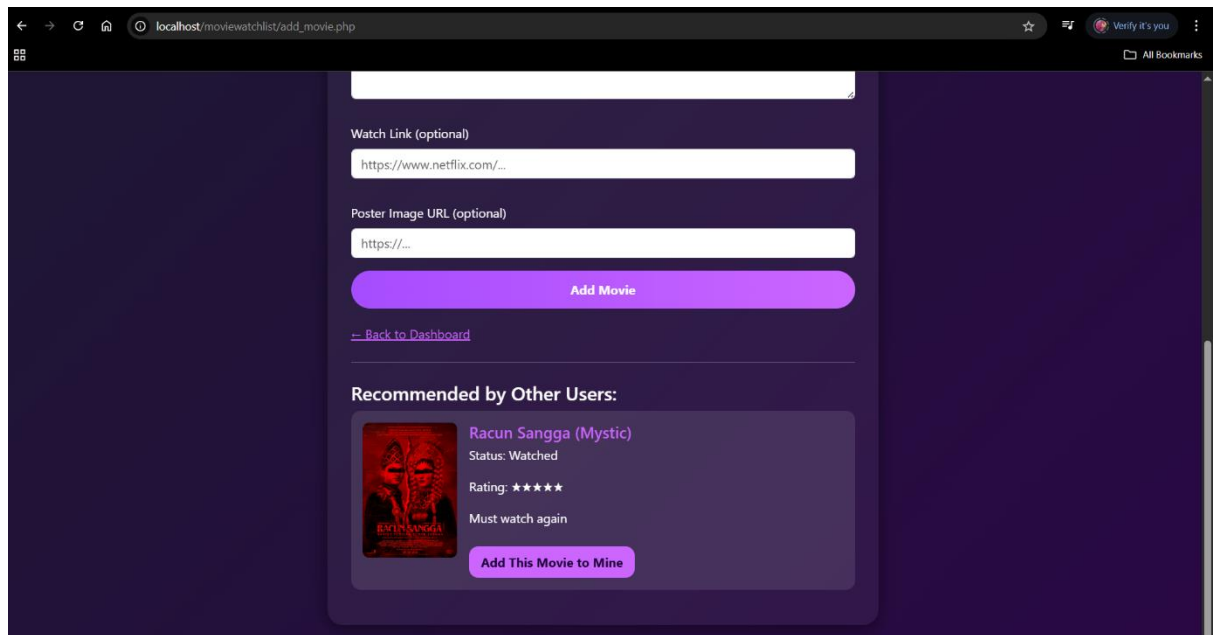


Figure 7 : Recommended

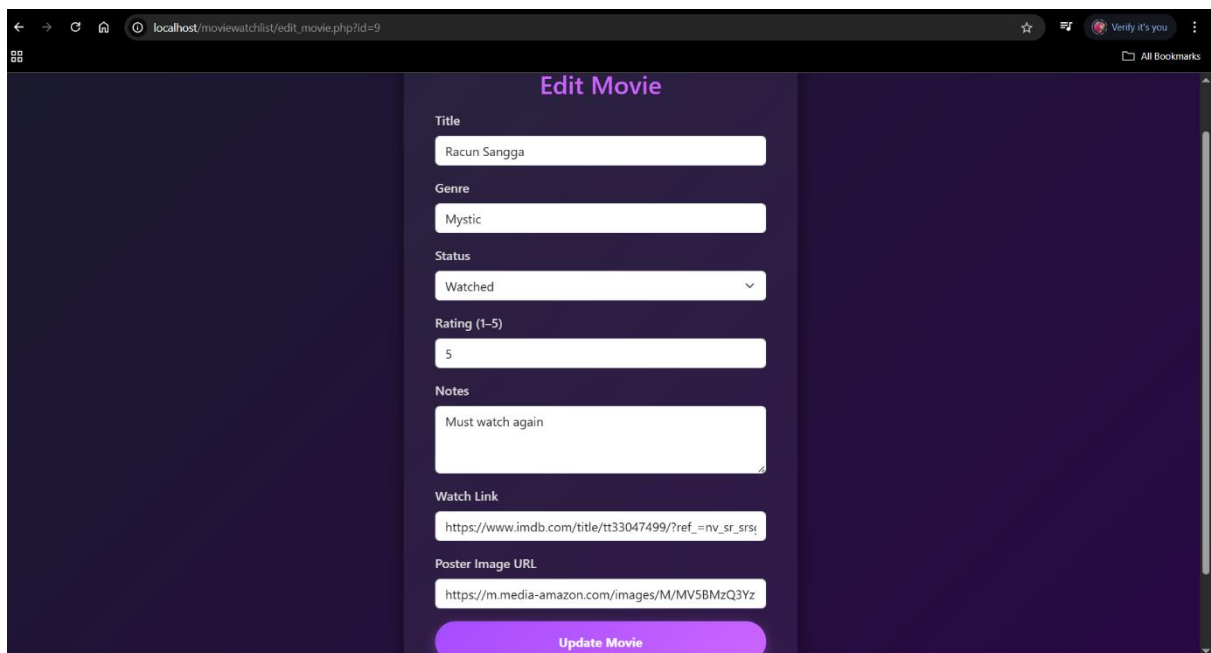


Figure 8: Editmovie.php page



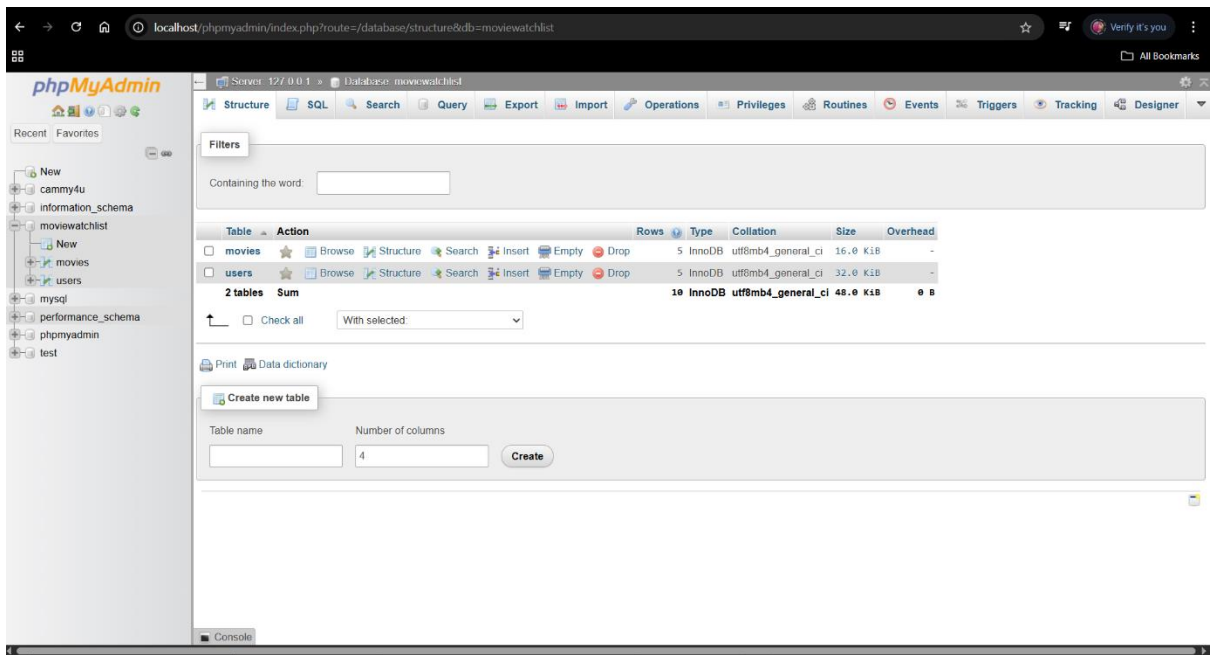


Figure 9: Database Moviewatchlist

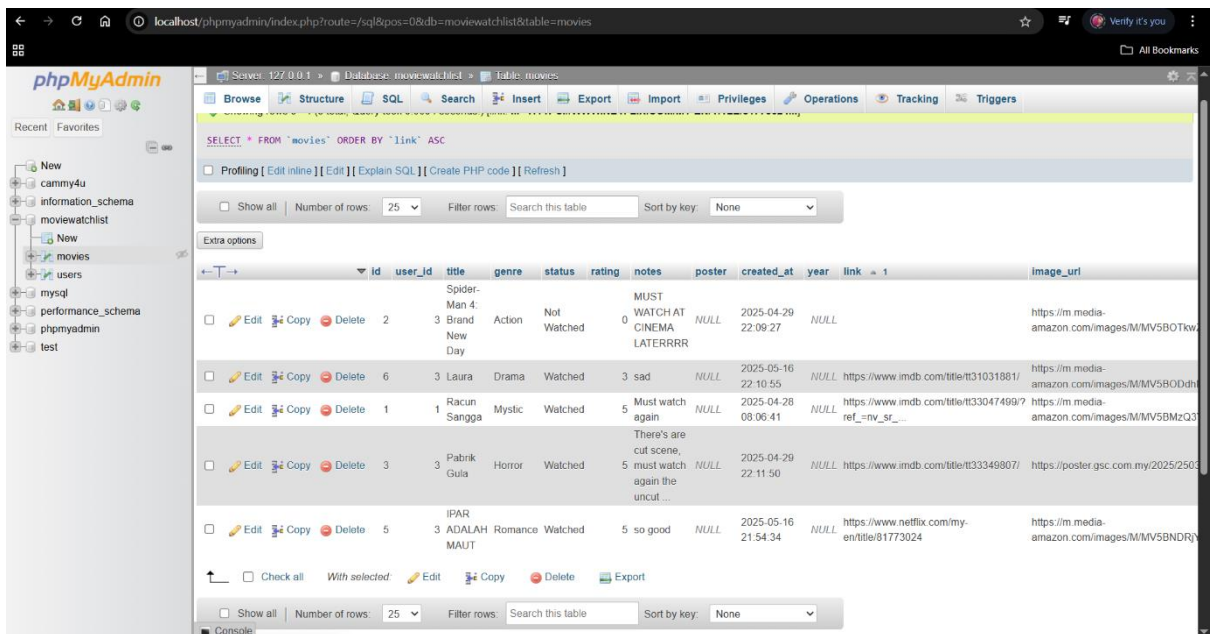


Figure 10: Movies table

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=moviewatchlist&table=users

phpMyAdmin

Server: 127.0.0.1 Database: moviewatchlist Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Showing rows 0 - 4 (5 total, Query took 0.0005 seconds)

SELECT \* FROM `users`

Prototyping [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Extra options

		id	email	password	created_at
<input type="checkbox"/>	Edit Copy Delete	1	zuaenrazali@gmail.com	\$2y\$10\$eZqpAaxxRwflorUz g K4le bHvqj2G70Ehp73MWpyH	2025-04-28 08:03:38
<input type="checkbox"/>	Edit Copy Delete	3	imranalias@gmail.com	\$2y\$10\$cmr2rCWwOkpPPstH7Sc5XguRQ#MDALbAUjBOJr6FPJN	2025-04-29 22:07:29
<input type="checkbox"/>	Edit Copy Delete	4	najwaa@gmail.com	\$2y\$10\$dJ7aeLJGMEN1H0/FdSQ TuTUux32R7DTuG2MOEYF0zz	2025-05-13 13:46:09
<input type="checkbox"/>	Edit Copy Delete	5	fatinnaywa@gmail.com	\$2y\$10\$D5i2U8P62RMo4asOleU49utr RPR wLzr5Y9g27gdJL	2025-05-15 22:13:54
<input type="checkbox"/>	Edit Copy Delete	6	wawa@gmail.com	\$2y\$10\$SLNymUJHxCeTnJ/YMcJcNa2 hyzD42O1HULhN6iCBqkh	2025-05-17 02:06:43

Check all With selected: Edit Copy Delete Export

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

name: Let every user access this bookmark

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=moviewatchlist&table=users

Figure 11: Users Database