



UNIVERSITI TEKNOLOGI MARA

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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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

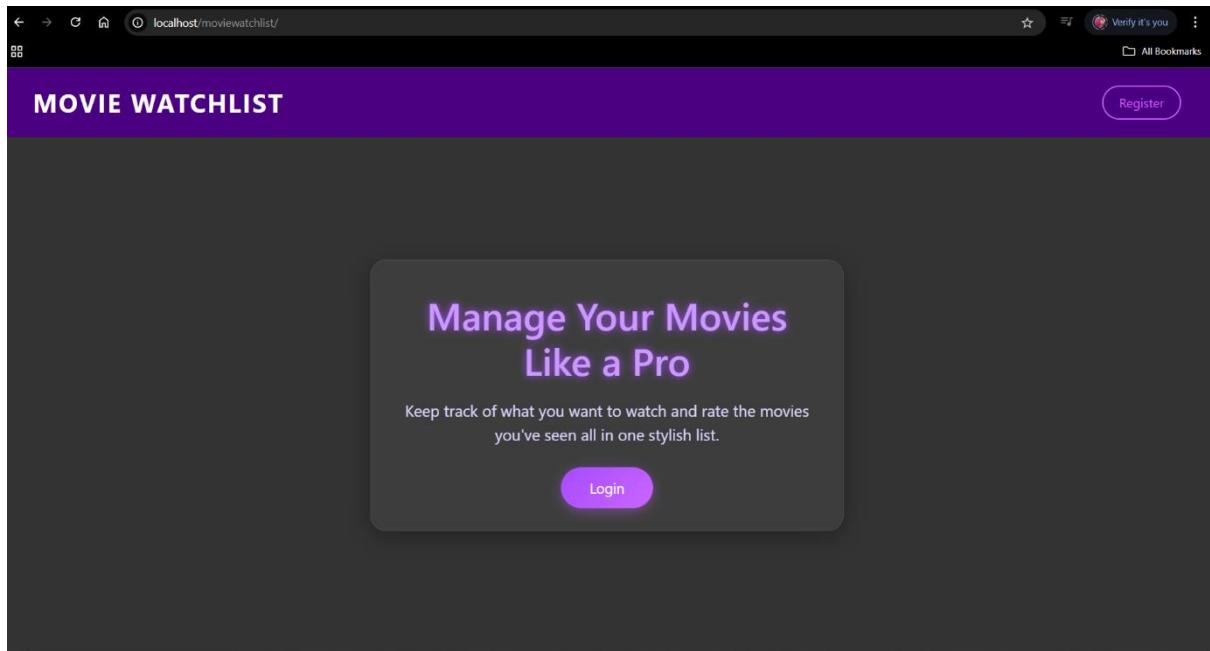


Figure 1: Index.php page

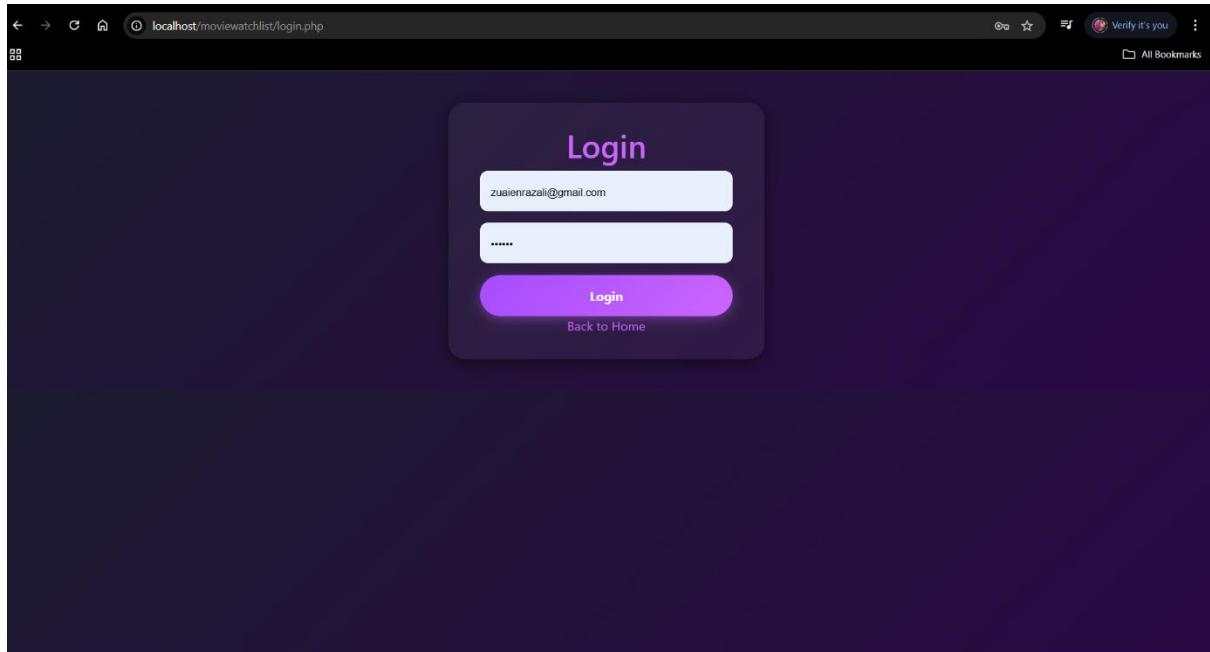


Figure 2: Login.php page

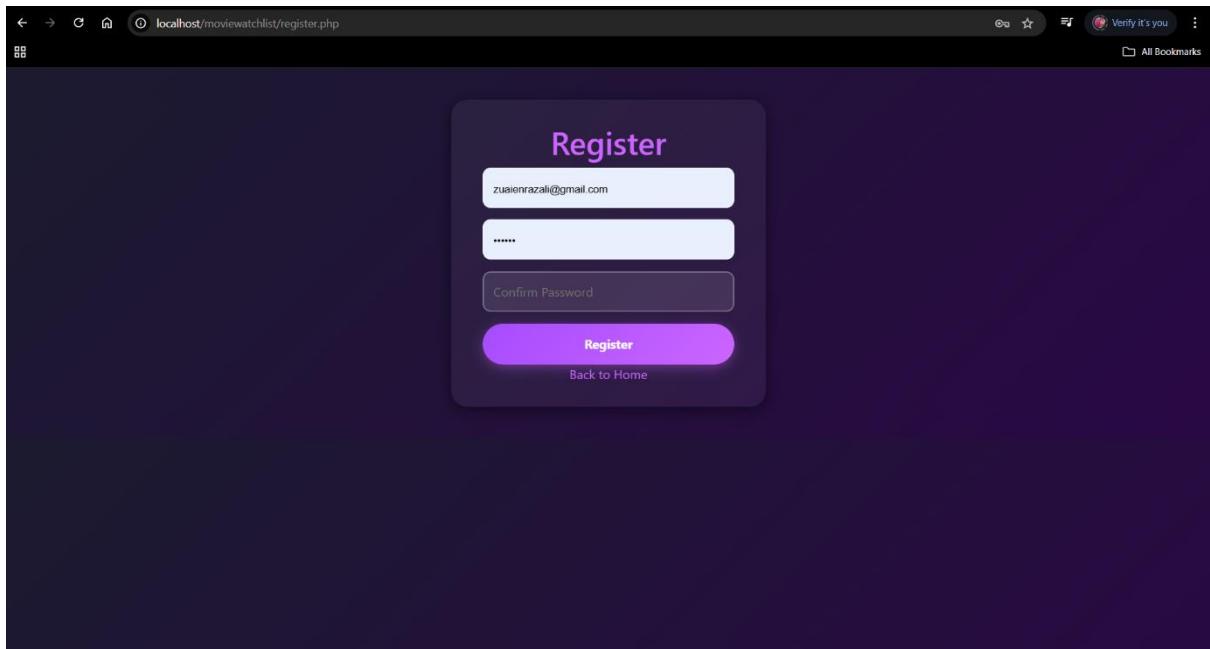


Figure 3: Register.php page

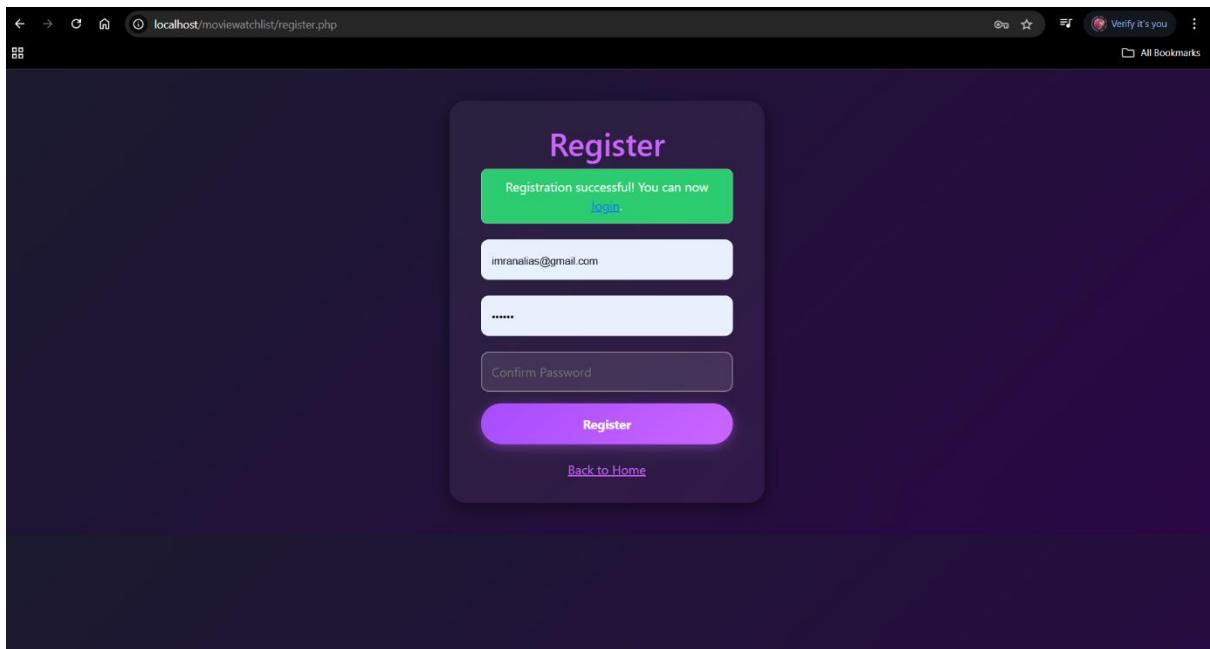


Figure 4: Register.php page

Welcome, Imranalias@gmail.com!

Your Movie Watchlist:

| Movie | Genre | Status | Rating | Notes | Action |
|-----------------------------|---------|-------------|--------|--|--|
| Laura | Drama | Watched | ★★★ | sad | View on IMDb Edit Delete |
| IPAR ADALAH MAUT | Romance | Watched | ★★★★ | so good | Watch on Netflix Edit Delete |
| Pabrik Gula | Horror | Watched | ★★★★ | There's are cut scene, must watch again the uncut scene later hehe | View on IMDb Edit Delete |
| Spider-Man 4: Brand New Day | Action | Not Watched | - | MUST WATCH AT CINEMA LATERRRR | Edit Delete |

Figure 5: Dashboard.php page

Add New Movie

Movie Title

Genre

Status

WatchedUnwatched

Rating (1–5)

Notes

Watch Link (optional)

Figure 6: Addmovie.php page

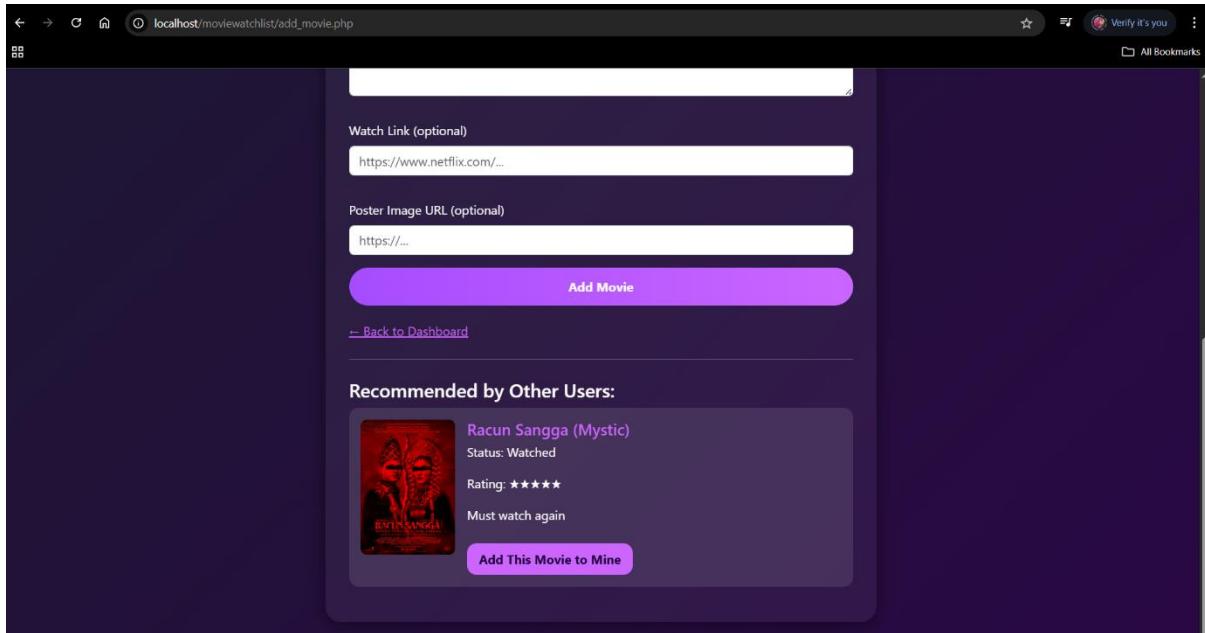


Figure 7 : Recommended

A screenshot of a web browser displaying the 'Edit Movie' page for the movie 'Racun Sangga'. The URL in the address bar is 'localhost/moviewatchlist/edit_movie.php?d=9'. The page has a dark purple header and a light purple body. It features a form with various input fields: 'Title' (Racun Sangga), 'Genre' (Mystic), 'Status' (Watched), 'Rating (1-5)' (5), 'Notes' (Must watch again), 'Watch Link' (https://www.imdb.com/title/tt33047499/?ref_=nv_sr_srs_1), and 'Poster Image URL' (https://m.media-amazon.com/images/M/MV5BMzQ3Yz). A purple button at the bottom of the form is labeled 'Update Movie'.

Figure 8: Editmovie.php page

The screenshot shows the phpMyAdmin interface for the 'moviewatchlist' database. The left sidebar lists various databases. The main area shows the 'movies' and 'users' tables with their respective row counts and details. A 'Create new table' dialog is visible at the bottom.

Figure 9: Database Moviewatchlist

The screenshot shows the 'movies' table data within the phpMyAdmin interface. The table structure includes columns for ID, user ID, title, genre, status, rating, notes, poster, creation date, year, link, and image URL. The data shows various movies with their details and links to external sources.

Figure 10: Movies table

The screenshot shows the phpMyAdmin interface for a MySQL database named 'moviewatchlist'. The left sidebar displays the database structure with tables 'New', 'cammy4u', 'information_schema', 'moviewatchlist' (containing 'New', 'movies', and 'users'), 'mysql', 'performance_schema', 'phpmyadmin', and 'test'. The 'users' table is selected under 'moviewatchlist'. The main area shows the table structure with columns: id, email, password, and created_at. There are six rows of data:

| | id | email | password | created_at |
|--------------------------|----|-----------------------|--|---------------------|
| <input type="checkbox"/> | 1 | zuaenrazali@gmail.com | \$2y\$10\$eZqpAaxxRwBerUz.gK4le.bhV0j2G70BHp73MWpyH... | 2025-04-28 08:03:38 |
| <input type="checkbox"/> | 3 | imranalias@gmail.com | \$2y\$10\$cmr2tCWw0kgPPsH7Sc5XguRQ/rMDALbAUlBOJf6FPJN... | 2025-04-29 22:07:29 |
| <input type="checkbox"/> | 4 | najwa@gmail.com | \$2y\$10\$sdj7aelJGMEN1H0/FdSQ.TuTUx32R7DtUg2MOEYF0zz... | 2025-05-13 13:46:09 |
| <input type="checkbox"/> | 5 | fatinnajwa@gmail.com | \$2y\$10\$D5i2U8P62RMo4asOleU49utrPR.RwlUz9Y6j27qdU... | 2025-05-15 22:13:54 |
| <input type="checkbox"/> | 6 | wawa@gmail.com | \$2y\$10\$LNymUlxCeTnJYMCJCe2.hyzD420IULhN6iClBqkh... | 2025-05-17 02:06:43 |

Below the table, there are buttons for 'Check all', 'With selected', 'Edit', 'Copy', 'Delete', and 'Export'. The 'Query results operations' section includes 'Print', 'Copy to clipboard', 'Export', 'Display chart', and 'Create view'. A 'Bookmark this SQL query' button is also present.

Figure 11: Users Database