



Movie Streaming Website with Java

Group 9

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Class : 2SE1

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PROJECT ON MOVIE STREAMING WEBSITE WITH JAVA

DEVELOPED BY

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The logo for NIIT (National Institute of Information Technology) is displayed in a bold, blue, serif font. The letters are thick and closely spaced, with a classic academic or institutional feel.

MOVIE STREAMING WEBSITE WITH JAVA

Batch Code : 2SE1

Start Date : June 21, 2023

End Date : July 06, 2023

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CERTIFICATE

This certificate serves to confirm that the report entitled "MOVIE STREAMING WEBSITE WITH JAVA" represents the authentic work completed by Aditya Farras Zaky Firmansyah, Aurio Hendrianoko Rajaa, and Muhamad Daffa Rifqi Nugroho as a partial fulfillment of their course requirements at NIIT.

Coordinator

Indah Ayu Yuliani

ACKNOWLEDGEMENT

Firstly, we would like to express our gratitude to God for blessing and granting us grace, enabling us to complete our report titled "Movie Streaming Website with Java" on time. The primary objective of this report is to enhance our programming skills, specifically in the HTML, CSS, Java, Java Server Page (JSP), Java Servlet, MySQL and basic JavaScript.

We would like to extend our appreciation to Mrs. Indah Ayu Yuliani, our supervisor lecturer, for his assistance in creating this report. We acknowledge that the report may not be flawless and welcome all suggestions and constructive criticism to improve its quality.

SYSTEM SUMMARY

This project was developed as part of the final assignment for the second semester of the collaborative program between CCIT-FTUI and the Polytechnic State of Jakarta's Informatics Engineering program.

The website "Moviex" offers users a convenient movie platform. Users can create accounts, view subscription plans, and log in with their credentials. The user page provides movie information such as genre, title, and release year. A search bar allows users to find specific films and watch their trailers on YouTube.

The website also has an admin section where administrators can manage movies by adding, editing, and removing them.

The development of this website showcases skills in HTML, CSS, JavaScript, Java, JSP, Servlet, and MySQL for data manipulation. The source code and configuration files for this project are publicly accessible on GitHub: <https://github.com/auriorajaa/simple-streaming-web-with-java>

JAVA CLASS DETAIL

No.	File Name	Remarks
1.	DBConnect.java	Contain java code to connect to database
2.	LoginBean.java	Contain data object for storing a username and password.
3.	LoginDao.java	Contain java code that validating user login credentials against a table named "tbl_users".
4.	Member.java	Contain java code that storing information about a member, including their email, username, password, and subscription status.
5.	MovieDAO.java	Interface class that performing various database operations related to movie details.
6.	MovieDAOImpl.java	Contain code that implements MovieDAO interface, It provides the implementation for methods related to database operations for movie details, such as adding movies, retrieving all movies, retrieving movies by ID, updating movies, deleting movies, retrieving movies by genre (action, adventure, family, horror, thriller), and searching movies based on a search query by interacting with a MySQL database.
7.	RegisterDao.java	Contain java code that handles database operations for registering a member by inserting their information into tables named "tbl_users" and "tbl_subs" in a MySQL database.
8.	MoviesDetails.java	Contain java code that represents a data object for storing details about a movie.

JAVA CLASS DETAIL

No.	File Name	Remarks
9.	AddMoviesServlet.java	Contain java code which handles HTTP requests for adding movies by processing form data, interacting with the MovieDAOImpl class to add the movie to the database, and managing file uploads and redirects.
10.	EditMoviesServlet.java	Contain java code which handles HTTP POST requests for editing movie details by retrieving form data and creating a MoviesDetails object with the updated information.
11.	MoviesDeleteServlet.java	Contain java code which handles HTTP GET requests for deleting movies by retrieving the movie ID from the request parameters
12.	Register.java	Contain java code that handles HTTP POST requests for user registration by retrieving form data such as email, username, password, and subscription from the request parameters
13	LoginServlet.java	Contain java code which handles HTTP POST requests for user login. It retrieves the username and password from the request parameters, creates a LoginBean object with the provided credentials, interacts with the LoginDao class to validate the login credentials against the database, and redirects the user to the appropriate pages based on the validation result.

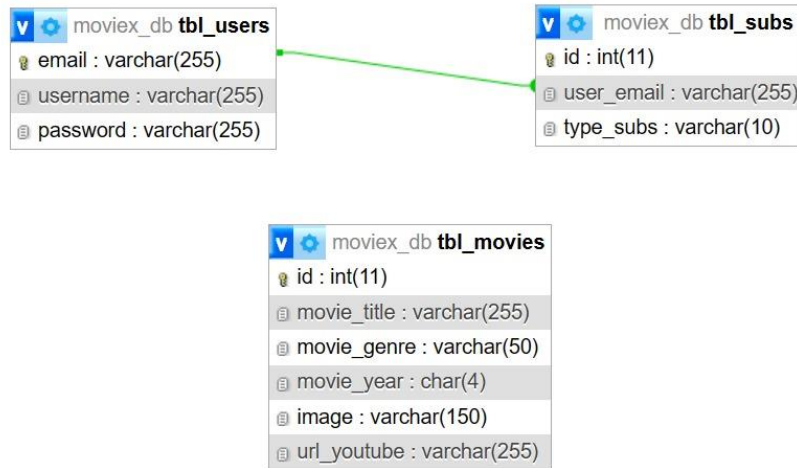
JAVA CLASS DETAIL

No.	File Name	Remarks
1.	admin.jsp	This JSP file contains Java code that generates an admin interface webpage displaying movie details retrieved from the database using the MovieDAOImpl class, and allows the admin to edit or delete movie entries, search movies, and logout.
2.	admin_add.jsp	This JSP file contains a form for adding movies with input fields for title, genre, year, trailer URL, and photo upload functionality.
3.	admin_search.jsp	This JSP file displays a search functionality for movies with a table that shows the search results based on user input, allowing for editing and deleting actions.
4.	edit_movies.jsp	This JSP file displays a form for editing movie details, pre-filling the form fields with the existing movie data based on the provided movie ID.
5.	homepage.jsp	The JSP file represents a movie website's home page, featuring a banner section, categorized movie sections, search functionality, and navigation options.
6.	index.jsp	The JSP file represents a movie website's landing page with a navbar, a title section displaying a promotional message, and a login button.
7.	login.jsp	The JSP file represents a login form page for a movie website, with a form to input a username and password, a login button, an option to sign up for a new account, and an error message alert if applicable.

JAVA CLASS DETAIL

No.	File Name	Remarks
8.	registration.jsp	The JSP file represents a signup form page for a movie website, allowing users to enter their email, username, password, and subscription type.
9.	search.jsp	This JSP file represents a search page for a movie website, where users can search for movies based on a keyword. It includes a search bar, displays the search results in a grid layout, and provides links to watch the movies. The page also features a navigation bar, a "Home" link, and a "Logout" link that redirects the user to the login page.
10.	subscription_plan.jsp	This JSP file represents a subscription plan page for a movie website, displaying different subscription tiers (Bronze, Silver, and Gold) along with their features and prices. Each tier includes additional benefits compared to the previous one, such as language support, streaming quality, and the number of connected devices. The page uses a panel layout to present the subscription plans with corresponding icons, headers, features, and prices.

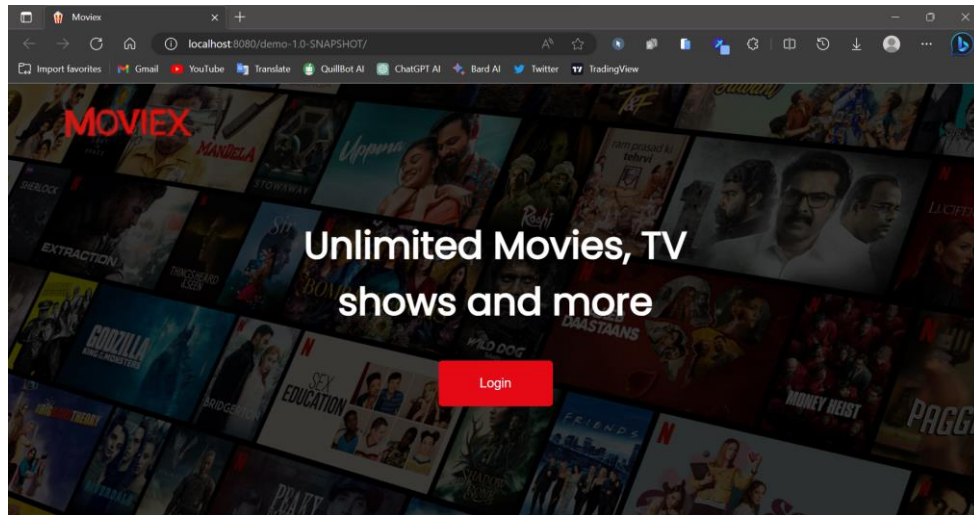
DATABASE DIAGRAM



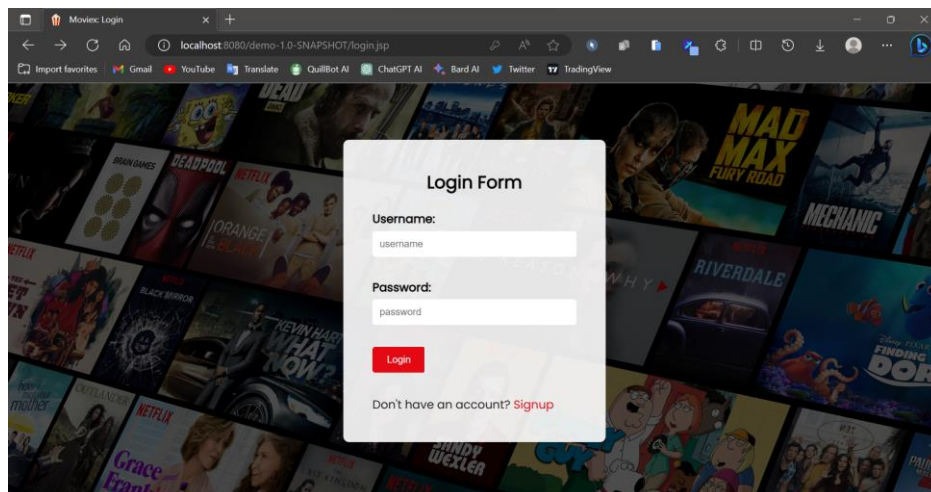
In this project, we have three tables in our MySQL database. The tool we use to store data is phpMyAdmin. First, there is a "user" table which contains the email as the primary key, along with the username and password. Then, there is a "subscription" table that stores the type of subscription selected by the user. Within the "subscription" table, the user email serves as a foreign key referencing the primary key in the "user" table.

The third table is the "movies" table, which can only be filled by the admin. It contains an ID as the primary key, along with the movie title, movie genre, movie year, image, and URL for the trailer of each film.

JSP PAGES

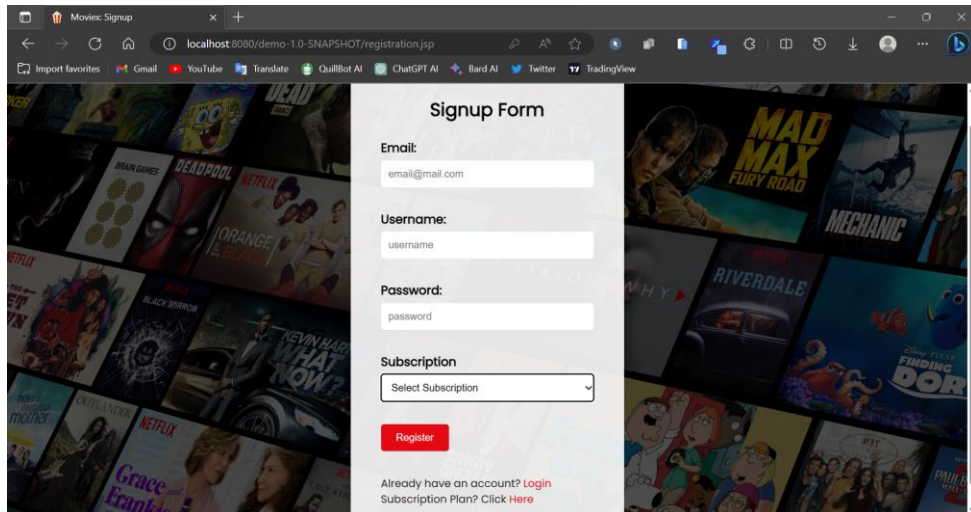


Landing Page: In this landing page, we give user some sort of information about our website and a login button that will prompt the user into login form.



Login Form: This is a simple login form that will read the user information data.

JSP PAGES



Signup Form

Email:
email@mail.com

Username:
username

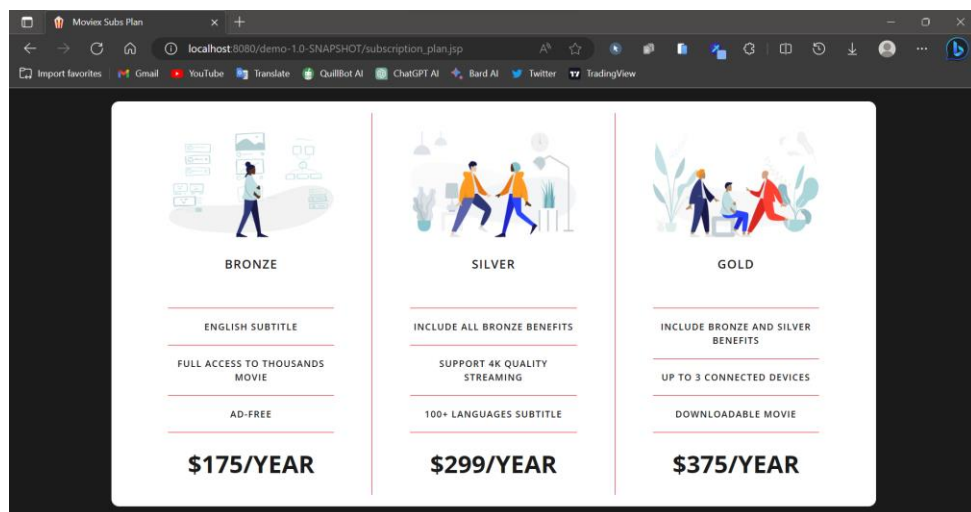
Password:
password

Subscription
Select Subscription

Register

Already have an account? [Login](#)
Subscription Plan? Click [Here](#)

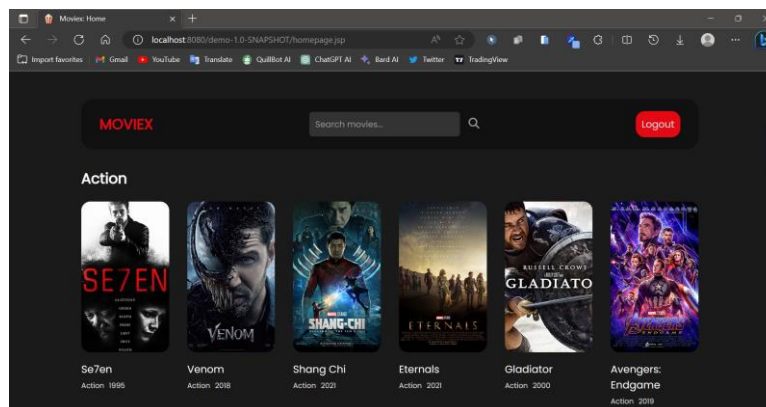
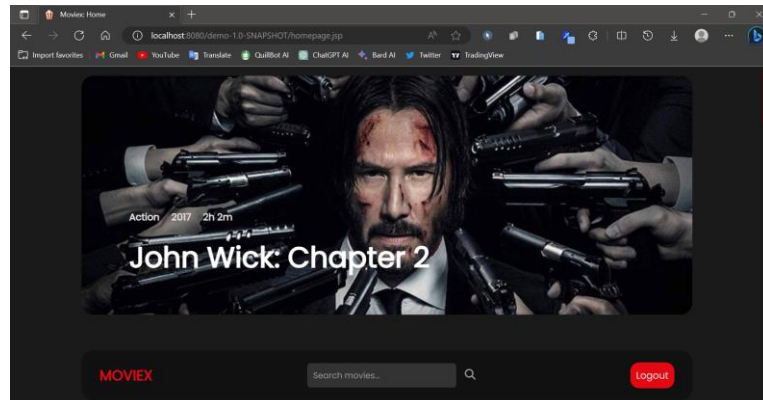
Sign up Form: In this simple sign up, we ask user to input their data to create an account.



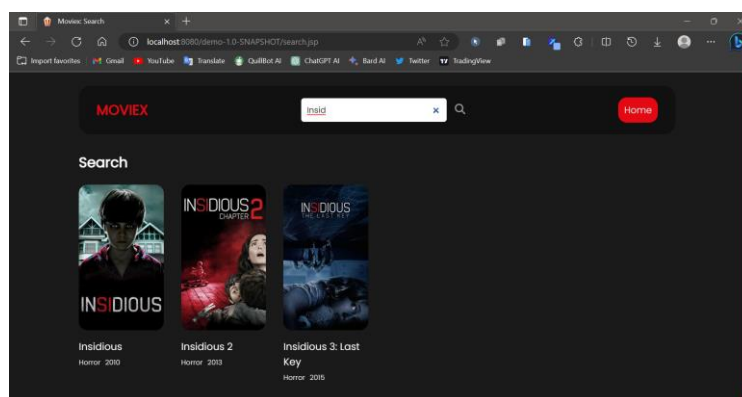
BRONZE	SILVER	GOLD
ENGLISH SUBTITLE	INCLUDE ALL BRONZE BENEFITS	INCLUDE BRONZE AND SILVER BENEFITS
FULL ACCESS TO THOUSANDS MOVIE	SUPPORT 4K QUALITY STREAMING	UP TO 3 CONNECTED DEVICES
AD-FREE	100+ LANGUAGES SUBTITLE	DOWNLOADABLE MOVIE
\$175/YEAR	\$299/YEAR	\$375/YEAR

Subscription Detail: This is a subscription plan if the user want to see the detail of each subscription.

JSP PAGES

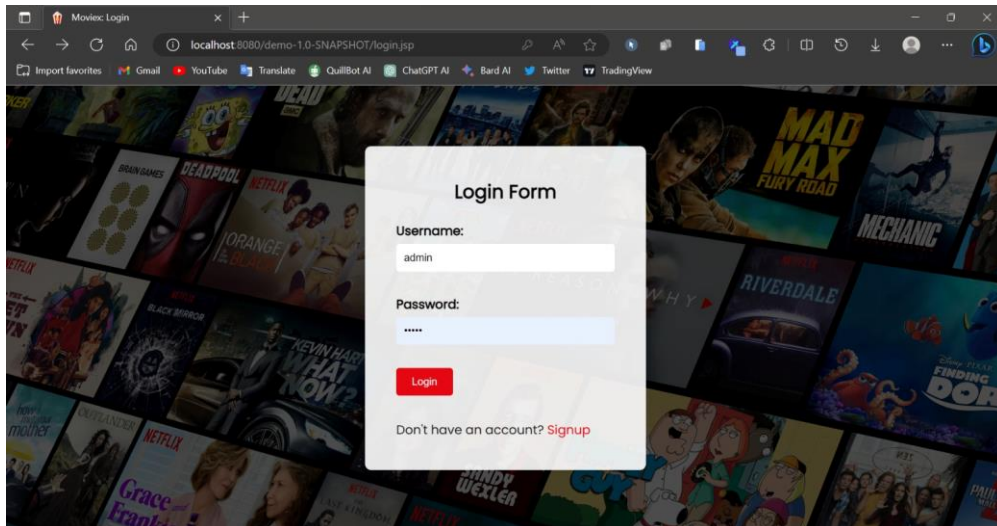


Home Page: This is a home page look like after user login with their account

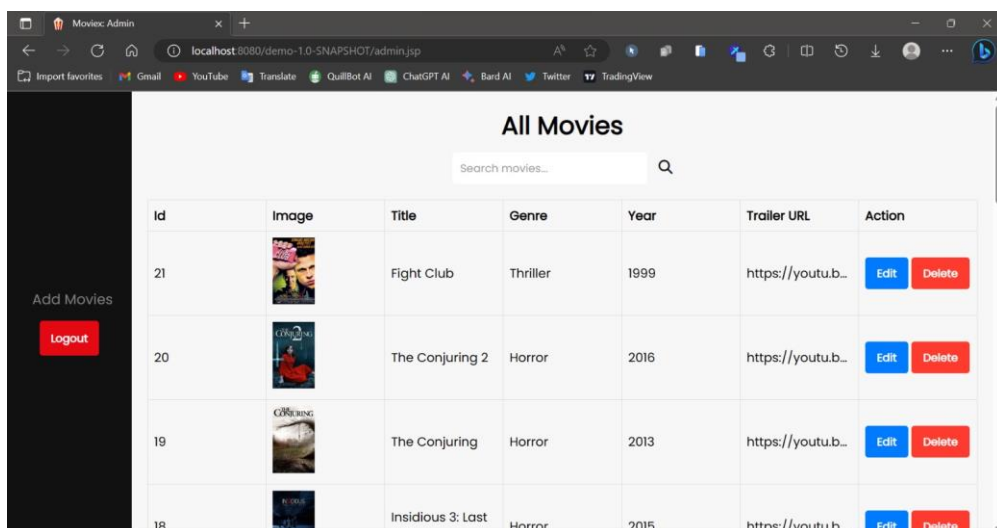


Search Button: In this section the user can see what moviex display after we do Search movie

JSP PAGES

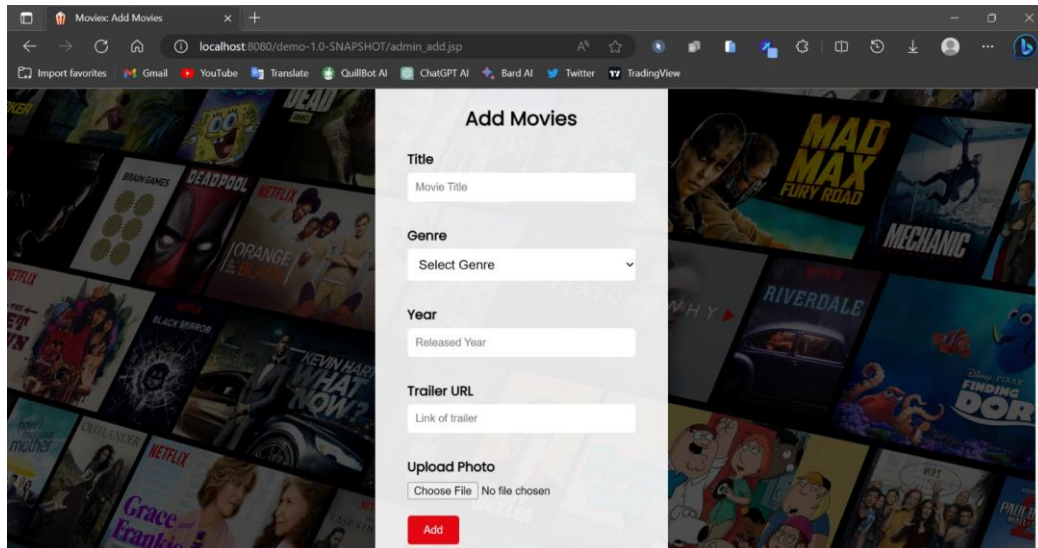


Login Admin: Admin can login through the user form with the specified username and password format



Admin Page: On the admin page display, admin can add, edit, search and upload movies

JSP PAGES



Add Movies

Title
Movie Title

Genre
Select Genre

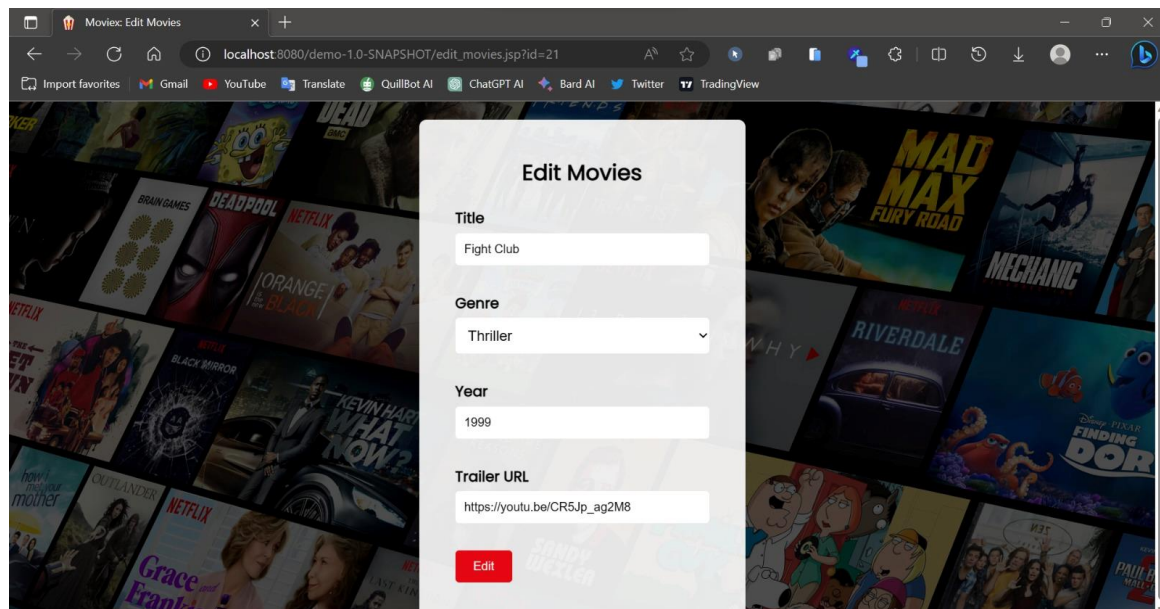
Year
Released Year

Trailer URL
Link of trailer

Upload Photo
Choose File No file chosen

Add

Add Page Admin: Admin can add Movies by Tittle, genre, etc. and the movie will save on database



Edit Movies

Title
Fight Club

Genre
Thriller

Year
1999

Trailer URL
https://youtu.be/CR5Jp_ag2M8

Edit

Edit Page Admin: On the admin page edit, admin can edit the year and trailer if the movie doesn't match each other

HARDWARE & SOFTWARE INFORMATION

Hardware: Infinix INBOOK X1

Operating System: Microsoft Windows 11

Software: IntelliJ IDEA Ultimate Edition, XAMPP, PhpMyAdmin, MS Word, MS PowerPoint