**IMDb Clone Project**

**Objective:**

To create a functional clone of **IMDb** that provides users with functionalities such as registration, login, profile management, users can explore a diverse collection of movies and contribute reviews, enriching the platform's content.

**Problem Statement:**

Creating an **IMDb**-inspired web application offers users streamlined access to movie information and the ability to engage with reviews. The project focuses on efficient registration, login, and interaction with movie content.

**Features of the Application:**

1. **Registration:**

* Users can sign up for the platform by providing their information such as their name, email address, and password.
* Validation checks will be in place to ensure the email address is in a valid format and the password meets minimum complexity requirements.
* After successful registration, users will be redirected to the login page.

1. **Login:**

* Users can log in to the platform using their registered email address and password.
* If the user enters incorrect credentials, an error message will be displayed, prompting them to retry.
* Upon successful login, users will be redirected to their Movies page.

1. **Profile:**

* The profile page will display user information such as their name, profile picture, email, and a list of their reviews.
* Users can edit their profile details, including their name, profile picture, and email.
* Users can access a personal list of their reviews and manage them by deleting any they wish.

1. **Movie Reviews:**

* On the movies page, users can see a list of different movies available.
* Users can engage with movies by performing actions like:
  + **Add a New Review:**
    - Users can contribute a review by selecting a movie from the list.
    - After composing a review, users can submit it, and it will be displayed on the movie's page for others to see and engage with.
  + **View All Reviews:**
    - Users can explore a comprehensive list of reviews contributed by all users.
    - This section displays reviews for various movies, providing insights and opinions from the entire community.
  + **Delete a Review:**
    - Users can delete their reviews by accessing the review they want to remove.
    - Upon selecting the delete option, a confirmation prompt will appear.

Once confirmed, the review will be permanently removed from the platform, updating the review count accordingly.

* + **My Reviews:**
    - Users have the option to view a personalized section displaying only the reviews they have contributed.

Users can review their previously submitted reviews and make any necessary updates or deletions as desired.

**5.Admin Dashboard (Out of Scope):**

* + **Adding Movies:**
* Admin can contribute to the platform by adding new movies to the database.
* They fill out a form providing details such as title, genre, release year, and description.
  + **Update Movies:**
* Admin can contribute to the platform by updating existing movie information
* Once submitted, the changes will be reflected in the movie's profile for all users to view.
  + **Delete Movies:**
* Admin with appropriate permissions can remove movies from the platform.
* Upon confirmation, the movie will be permanently deleted from the database, ensuring an up-to-date and accurate collection.

**Validations:**

1. **User info validation:** Validate the email for its correctness, name shouldn’t be more than 20 characters, the password shouldn’t be more than 12 characters and less than 8 characters, and it should include at least 1 special character and 1 letter and 1 capital letter. All the fields are required and shouldn’t be empty.
2. **Login Validation**: The email and password should be in the correct format and not empty.
3. **Review Validation:** While tweeting new tweets shouldn’t be more than 100 characters.

**Tools and Technologies Used:**

1. **JavaScript & ES 7**
2. **HTML (Hypertext Markup Language)**
3. **CSS (Cascading Style Sheets)**
4. **JAX / RS - Jersey API**

**More features that can be implemented**

1. Implement real-time notifications for new movies, likes, reviews, and ratings.
2. Integrate a search feature allowing users to find movies based on their interests
3. Introduce trending movies.
4. Implement additional features such as add movie into the user watchlist.

**Conclusion:**

The IMDb clone project aims to replicate the essential features of the renowned movie database platform, IMDb. Utilizing JavaScript and Jax/RS technologies, this project will establish key functionalities such as user registration, login, and interaction with movie content. It serves as a framework for future enhancements and feature expansions.