



Filmlane

Movie Renting System

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Description

The Movie Rental system, ****Flim Lane****, is designed to provide an intuitive interface for users to register, log in, browse available movies, rent, and return films seamlessly. The front end employs HTML for structuring the user interface, CSS for styling and creating a professional appearance, and JavaScript combined with AJAX for dynamic content updates and smooth interactions without page reloads. Users can view movie details, and their availability status is managed through the system, which interacts with XML files for data storage. The XML structure allows for efficient organization of movie and user records, maintaining unique identifiers for both movies and users, along with their respective attributes and rental histories.

On the server side, PHP handles the logic for user authentication and data manipulation. Security measures are implemented to protect user data, including password hashing and input sanitization to prevent unauthorized access and data breaches. The system ensures that only authenticated users can perform rental actions, thereby safeguarding the integrity of user information and rental records. Additionally, client-side validation ensures that all user inputs meet the required formats before submission, enhancing user experience and reducing server load. Overall, Flim Lane combines various technologies to provide a functional and secure platform for movie rentals.

Note

Admin Log In Credentials Coded

Username:Admin

Password:Admin123

Functionalities

- **User Registration and Login:** New users can easily register by providing necessary information, including a username and password. Existing users can log in to access their accounts. The system verifies user credentials and maintains sessions for logged-in users, ensuring a personalized experience.
- **Movie Browsing:** Users can browse a comprehensive list of available movies, which includes detailed information such as title, genre, release year, rating, and availability status. This allows users to make informed decisions before renting.
- **Renting Movies:** Once a user selects a movie, they can rent it if it is available. The system updates the XML files to reflect the new rental status, adding the movie to the user's rental history and marking it as unavailable.
- **Returning Movies:** Users can return rented movies through a straightforward process. The system updates the XML files again to mark the movie as available and removes it from the user's rental history, ensuring accurate tracking of rentals.
- **Dynamic Updates:** The use of JavaScript and AJAX allows the interface to dynamically update content without needing to reload the page. This creates a smooth and efficient user experience when renting or returning movies.
- **Form Validation:** Client-side validation ensures that all input fields are filled out correctly, including email formats and password strength. This prevents errors and enhances data integrity before submission.
- **Security Measures:** To protect user data, the system implements password hashing and input sanitization. It ensures that only authenticated users can access rental functionalities, safeguarding against unauthorized actions.