INTERNSHIP REPORT TASK-4

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Task Title: OTT Platform Website Clone.

Task Description:

The task was to recreate the design and functionality of an OTT (Over-The-Top) platform website such as Netflix, Amazon Prime, or Zee 5 using HTML, CSS, and JavaScript. The project aimed to test skills in front-end development and user interface design.

Steps Taken:

1. Homepage Layout:

- Created the main structure of the homepage using HTML.

- Styled the homepage using CSS for a visually appealing look.

- Included sections for trending movies, series, and recommended content.

2. Content Details Page:

- Designed a template for a content details page to display information about a selected movie or series.

- Ensured the page structure was consistent with the overall design.

3. Search Functionality:

- Implemented a search bar within the filter section to allow users to find content easily.

4. User Authentication:

- Created a login page (`login.html`) with form elements for username and password.

- Updated the navigation in `index.html` to include a link to the login page.
- Styled the login page using CSS to match the website's theme.

• Added basic backend authentication using PHP to handle login requests and manage sessions.

Challenges Faced:

1.Responsive Design:
    • Ensuring that the website was responsive across various devices was challenging. Some layout elements required significant adjustments for mobile compatibility.

2.User Authentication Security:
    • Implementing secure authentication was complex. Ensuring the safe handling of user credentials and sessions needed careful consideration.

3.Integration of JavaScript:

    • Managing dynamic and interactive elements without disrupting the overall design required a thorough understanding of JavaScript.

Solutions Implemented:

1.CSS Media Queries:
    • Used media queries to adjust the layout for different screen sizes, ensuring a responsive design.

2.Password Hashing:
    • Although not implemented in this demo, researched and planned for secure password storage using PHP's `password_hash()` function for future updates.

3.JavaScript Event Handling:

    •Utilized event listeners to manage user interactions efficiently, ensuring a smooth user experience.

Learnings:

1.Front-End Design Principles:
    • Gained a deeper understanding of designing visually appealing and responsive web pages using HTML and CSS.

2.JavaScript Functionality:
    • Improved skills in adding dynamic functionalities to web pages, enhancing user interaction.

3.Basic Backend Development:

    •Learned the basics of handling user authentication with PHP, including session management and form handling.

Project Update:

1.Homepage and Content Details Page:
    • The homepage and a basic content details page have been successfully designed and implemented.

2.Search Functionality:
    • A search bar has been added to the homepage to facilitate content search.

3.User Authentication:

- A login page with basic authentication has been integrated, allowing users to log in. Future updates will focus on enhancing security and adding more features.

This report provides a comprehensive overview of the project, detailing the steps taken, challenges faced, solutions implemented, and the learnings from the task.