BRS for Realm OTT Platform

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**Prepared By : DEFENDERS**

**Client :**

**Project Sponsor :**

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**1.1 Purpose :**

The Realm OTT platform is a strategic initiative to introduce a cutting-edge streaming service that provides high-quality content to viewers over the internet. It aims to provide a comprehensive and personalized entertainment experience, including movies, TV shows, live events, and more.

**Functional Requirements :**

**2.1 User Registration and Authentication :**

**Introduction :**

The Sign Up and Sign In functionalities are essential components of the web application. These functionalities allow users to create new accounts and authenticate themselves to access the application's features securely.

**Sign Up :**

**Purpose :**

The purpose of the Sign Up page is to enable new users to register for an account on the web application.

**Implementation :**

* The Sign Up page is accessible through the following URL: [Sign Up-Realm](http://127.0.0.1:8000/signup)
* Users are required to provide the following information to create an account:
* Username
* Mobile Number
* Email address
* Password
* The provided information is validated on the client-side and server-side to ensure data integrity and security.
* The registration form includes a "Sign Up" button that submits the user's information for processing.
* Upon successful registration, the user is redirected to the Sign In page to log in with their new credentials.

**User Interface :**

* The Sign Up page is designed to be user-friendly and responsive.
* The form fields are styled using Bootstrap for consistency and ease of use.
* Input fields for username, mobile number, email, and password are provided with appropriate placeholders and labels.
* Validation messages are displayed for incorrect or missing information.
* A "Sign In" link is provided for users who already have an account.

**Sign In :**

**Purpose :**

The purpose of the Sign In page is to allow registered users to log in to their accounts.

**Implementation :**

* The Sign In page is accessible through the following URL: [Login To Realm](http://127.0.0.1:8000/signin/).
* Users are required to provide their registered username and password to log in.
* Authentication is performed on the server-side to verify the user's identity.
* A "Login" button allows users to submit the form.
* Below the Sign In form, a "LOGIN WITH OTP" button lets users switch between password-based and OTP-based login.
* Clicking this button toggles between the Sign In form and an OTP input form.
* The button's text changes to "LOGIN WITH PASSWORD" when in OTP mode and back to "LOGIN WITH OTP" when in password mode.
* Upon successful authentication, users are granted access to the web application's features.
* In case of authentication failure, appropriate error messages are displayed.

**User Interface :**

* The Sign In page shares the same design and styling as the Sign Up page.
* Input fields for email and password are provided with appropriate placeholders and labels.
* Validation messages for authentication failures are displayed.
* A "Sign Up" link is provided for new users to register.

**Error Handling :**

* Both Sign Up and Sign In pages have error handling mechanisms.
* Validation errors are displayed near the respective form fields.
* For general errors, an error popup is displayed at the center of the page, which can be closed by clicking the close icon.
* Error messages are clear and user-friendly to assist users in understanding and resolving issues.
* Security
* User passwords are securely hashed and stored in the database.
* Passwords are never stored in plain text.
* The application uses CSRF protection to prevent cross-site request forgery attacks.

**2.2 User Profiles and Preferences :**

**Introduction :**

**Purpose :**

This document outlines the business requirements for the User Profiles and Preferences feature of our OTT platform.

**Scope :**

The feature will allow users to create and manage profiles, set preferences, and personalize their content experience.

**User Profiles :**

**Profile Page :**

**Purpose :**

The Profile Page is designed to allow users to select and manage their profiles for personalized content and access control.

**Page Elements :**

* Display user profiles in a responsive grid.
* Each profile card consists of:
* Profile Photo
* Profile Name
* Edit Button (for authorized users)
* Unlock Icon (for locked profiles)
* Add Profile Card
* Allows users to add new profiles.
* Displayed when the maximum profile limit is not reached.
* Modal - Maximum Profiles Reached
* A pop-up modal that displays an error message when the user reaches the maximum profile limit.
* Contains a "Close" button to dismiss the modal.

**Adding Profiles :**

**Purpose :**

The "Add Profile" page allows users to create a new profile with various options, including setting a PIN and uploading a profile photo.

**Usage :**

* Users can enter the profile name in the "Profile Name" input field. This field is required.
* Users can check the "Child Profile" checkbox to indicate whether the profile is for a child.
* Users can click the "Set PIN" button to toggle the display of PIN-related fields.
* The "Enter PIN" and "Confirm PIN" fields become visible when the button is clicked.
* Both PIN fields accept a maximum of 4 characters.
* Users can click the eye icon to toggle the visibility of the PIN.
* Users can upload a profile photo using the "Profile Photo" input field.
* Add Profile Button
* The "Add Profile" button allows users to submit the form to create a new profile.
* If the user has reached the maximum number of profiles (profiles\_count >= 3), the button will be disabled, and the text will display "Maximum Profiles Reached."
* Return to Profiles Link
* A link is provided below the form to allow users to return to the profiles page

**Edit Profile :**

**Purpose :**

The Edit Profile page allows users to modify their profile information and settings.

**Usage :**

* Access the Edit Profile page.
* Modify the profile information as needed:
* Edit the name field.
* Upload a new profile picture.
* Set a PIN (optional).This action is available for the first profile only and will be disabled for other profiles
* Click the "Save Changes" button to save the profile updates.
* If setting a PIN, ensure the PIN and Confirm PIN fields match; otherwise, an error modal will appear.
* To delete the profile, click the "Delete" button (if available). This action is disabled for the first profile.