

CS-344 Web Engineering

SEMESTER PROJECT REPORT

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1. Introduction & Motivation



It was the shared love of watching TV. Never missing an episode. Reacting to moments with tears, laughter and intrigue. Then the world changed. Peoples watching habits became fragmented, different. The TV universe got bigger. TV just kept getting better, and bigger, and better. And more than ever, we wanted to stay on top of our favorite shows.

As the world locked itself down and isolated in quarantine, it became harder for people to keep themselves engaged in any sort of activity. There was a need for something that can be a boredom killer: a place where people can find what excites them. This brought about the idea of a website that can help people stay productive and alive, creating interest in shows and movies and simultaneously, helping them find people with similar tastes.

Track TV is an online community website, created with an aim to bring together TV lovers and provide them with interesting opportunities that shall keep the joy of binge watching and movie nights alive. It is a global community of tv lovers tracking their shows, creating watchlists, and sharing the movies that move them.

This multi-purpose platform provides its users with the opportunity to search for their favorite movies and tv shows, explore new options by searching according to the genre they prefer and keeping track of what they have watched or will watch in their profiles. It allows its users to also keep a count of the number of episodes they have watched. Moreover, you can also follow people with good recommendations to broaden your own.

Searches, profiles, sense of community, following features, personal stats and current watching trends: all are available on Track TV.

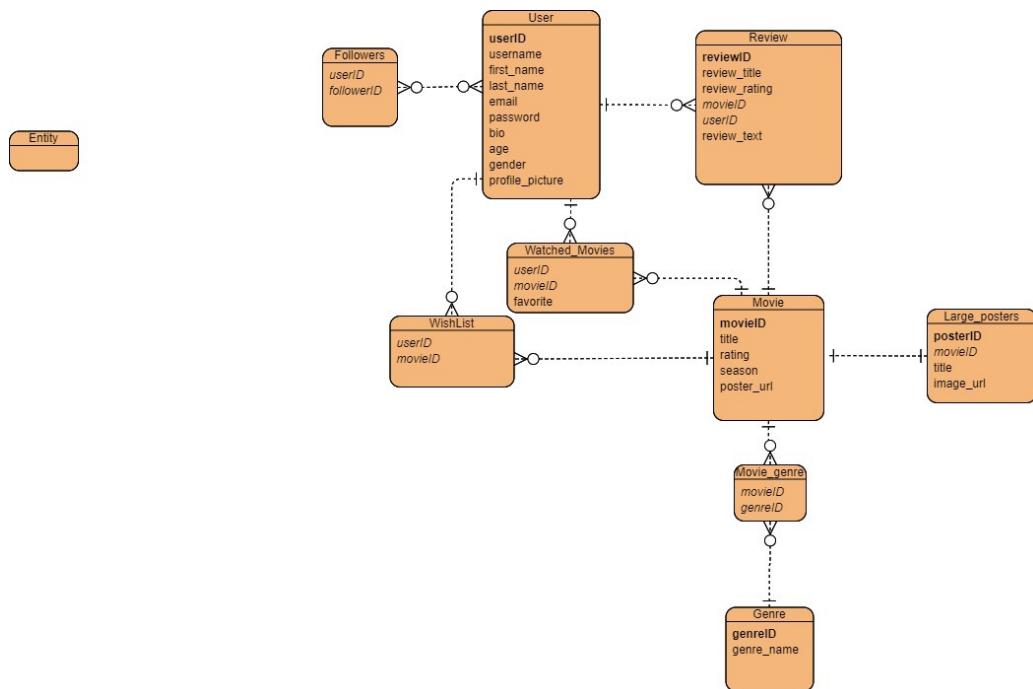
2. Description

2.1 Type of Content

The website is based on Movies and TV shows and hence has a complete database of various, different movies and shows along with their Titles, Ratings, number of Season (for tv shows), reviews by users and cover pictures. The content is organized in different sections based on their genre. A complete list of genre is also included separately to which all the shows are linked.

Apart from the movie perspective, the website also has a system of online community and hence has the complete system of user profiles which can be viewed and followed.

2.2 Structure of Database



The database has following 9 tables:

- User table contains all the information of the user which includes userID, unique username, password, first and last name, email, bio, age, gender and profile picture URL.
- Movie table contains information which includes movieID, title, rating, number of seasons (for TV shows), genreID and URL of poster.
- Review table contains reviewID, title, text, rating, userID of user who gave the review and movieID of movie.
- Genre table has a genreID and name of the genre
- Followers table is a weak entity which joins the user table to itself. It has a userID of the user and followerID which is the userID of the user following that user
- Watched_movies table is a weak entity which joins user and movie table, it has movieID of the movie along with userID of the user who has watched that movie. The favorite has a boolean value indicating whether the movie is a favorite or not. The favorite movie list is extracted from this table.
- Wishlist this table joins user and movie table and has a movieID of the movie and a userID of the user who has added that movie to wish list.
- Movie_genre table has movieID alongwith genreID to store information about genres of the movies.
- Large_posters has the expansion posters for trending movies with movieID as foreign key.

The weak entities simplify the many-to-many relationship between entities.

2.3 Brief Introduction to Organization

The website's structure can be broken down into four major sections:

- The Homepage along with all core functionalities,
- The User homepage which contains all the community related information and user profiles,
- The general information pages that focus on the Track TV community,
- The admin backend that can have restricted access and is used for database manipulation.

2.4 Main Page & Core Functionalities

The Homepage part of the website begins with the main page that displays all the movies/shows to the users. The functionality is then divided into three categories:

- The Most added: which includes the movies/shows that are added repeatedly to wish lists or watchlists
- The top rated: which includes the movies/shows having the highest overall rating,
- Genre: which include the option to look up movies based on Genre.

2.5 User Homepage

The user side of the website has two major divisions: the general functionality and the edit functionality.

The general functionality allows the users to:

- Take a quick look at their profile and the profile of other users,
- Follow and unfollow users,
- Look at their watched and favorite movies,
- Get a glimpse of their reviews and wish lists.

The edit functionality allows the users to:

- alter their profile information and change password,
- delete their reviews,
- delete watch history,
- remove items from wish list.

2.6 Admin Backend

The admin backend has a home page that allows the admin to review all the users and movies, currently in the data base and instantly remove any one she wishes. From the admin home page, the admin can also choose to access separate forms to alter the database. These include the following options:

- New Movie: where the admin can enter data for a new movie/ show into the database,
- Edit Movie: where the admin can change information regarding already added movies,

- Delete Movie By ID: where the admin can look up a specific movie to delete,
- Delete User by Username: where the admin can look up a specific user to delete through his username.

2.7 General Information Pages

The website consists of 5 general information pages that are focused on providing Track TV related information to the users. These include:

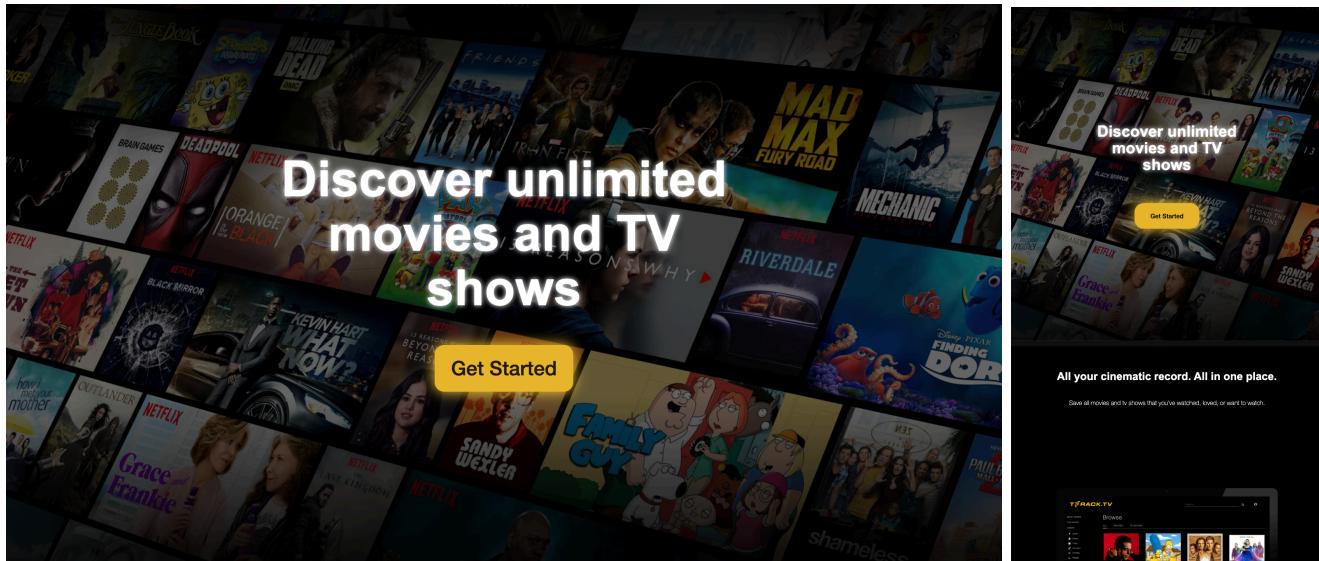
- The 'About Us' page that summarizes the aim of the website.
- The 'Services' page which lists down all core functionality of the website.
- The 'Faqs' page which helps troubled users in the community by providing quick support,
- The 'Developers' page that introduces our hardworking team,
- The 'Contact Us' page, helping our users stay in contact with our team.

3. Description of Layout & Functionalities

3.1 Index

Layout: Divs in block layout with viewport based width and height.

Functionality: Connect to the database through PHP to retrieve information based on the selections made by user. Any tab selected narrows down results.



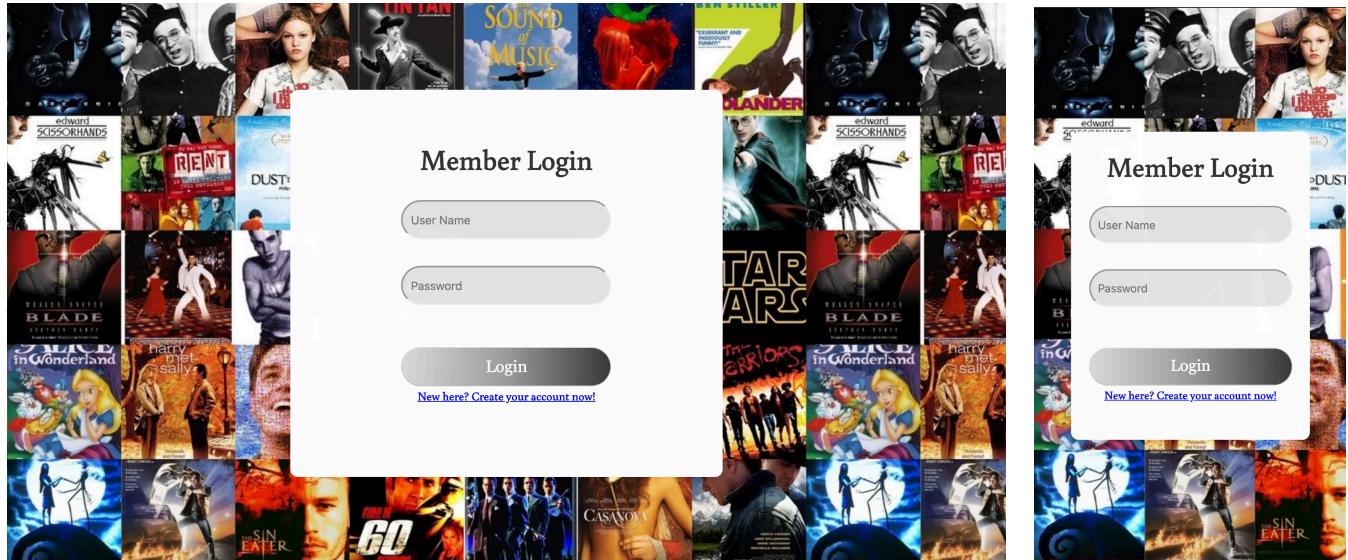
The index page is the introductory page to the website. It gives a general overview of the functions of the website and provides informative links in the footer. It is a responsive block display page, adapted for desktop, tablets, and phones.

The 'Get Started' button leads the incoming user to the Login Page. If the user is not an existing user of the website, they can navigate to the signup page given as a link in the Login page.

3.2 Login

Layout: Main div that covers the entire screen, having a abstract poster background. The forms appear in the middle of the page and are responsive to tablet and mobile modes, where they adjust to the screen width to cover the entire area. Do not follow the header footer format.

Functionality: Connect to the database through PHP to retrieve user information. The login page starts the session for the entire website and once a session is started, no user can access these pages until logout. The checks are all performed using php code



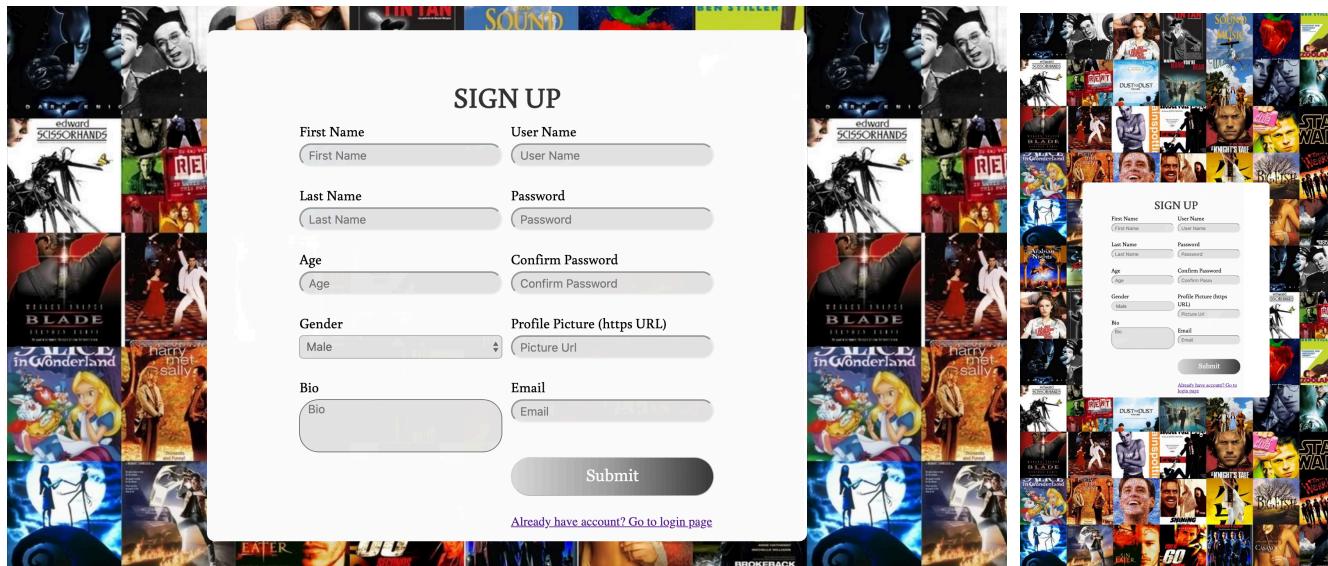
The login page is designed to allow the members of Track TV to login using their accounts and access their profiles. The users' login using their usernames along with their passwords. If the users enter a wrong username or password or leave the fields empty, they are notified by an error message and the login isn't completed. Once logged in, the user is directed to Homepage.

In case the user is new to Track TV, he/she can create an account using the create account link below the login button. This link will direct the user to the signup page.

3.3 Signup

Layout: Main div that covers the entire screen, having a abstract poster background. The form appear in the middle of the page and are responsive to tablet and mobile modes, where they adjust to the screen width to cover the entire area. Do not follow the header footer format.

Functionality: Connect to the database through PHP to store new user information.



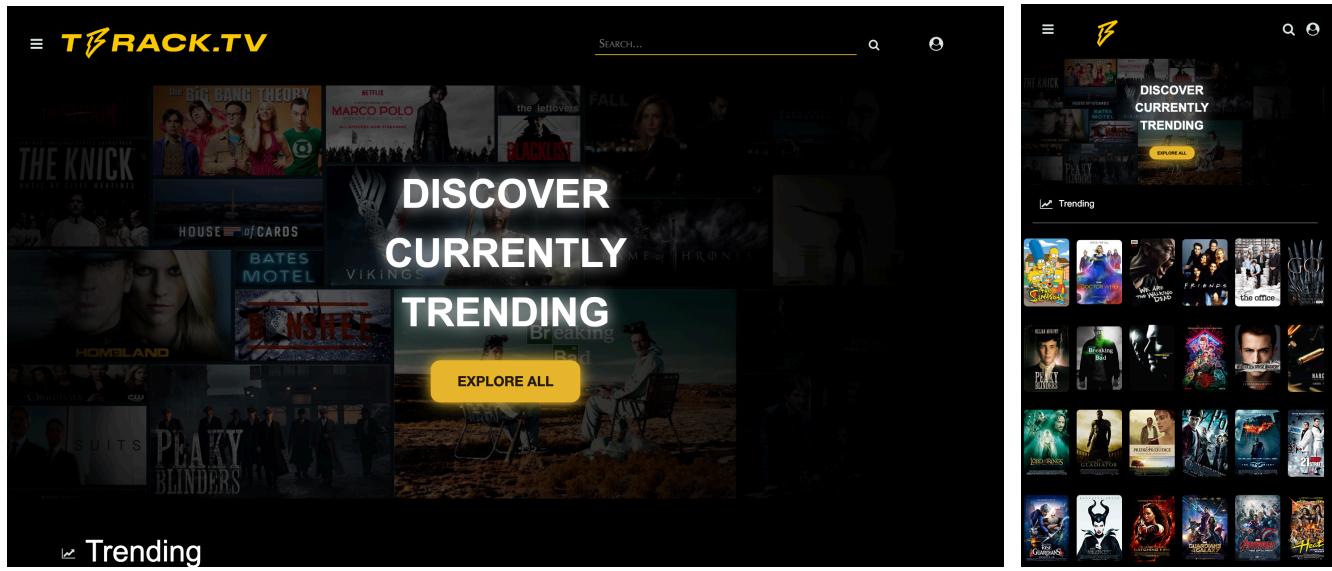
Users can create a new account using the signup page (signup.php). The signup requires basic profile information from the user. First name, last name, password, gender, bio, profile pic and email are the form requirements along with a unique username that will be used for signup later.

A user is not allowed to create multiple accounts to avoid fake profiles and hence already registered emails cannot be reused. If an already used email or username is used, error messages are shown. Also, if compulsory fields are left empty or have incorrect values such as age being in letters or name having numbers, respective error messages are shown and the sign up is stopped, until the user provides correct information. The link back to the login page is also provided below the submit button.

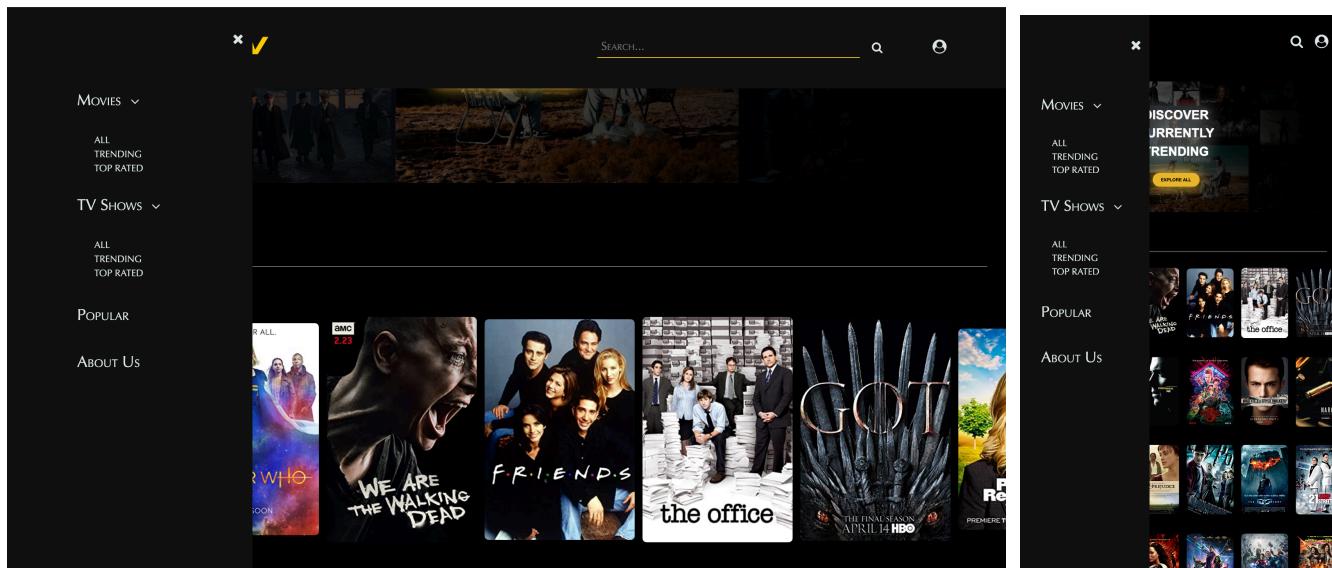
3.4 Homepage

Layout: Div separating Header, Footer, Main Image, Posters Listed, and left Sliding menu.

Functionality: Connect to the database through PHP to retrieve information based on most added by users and their corresponding images and posters.



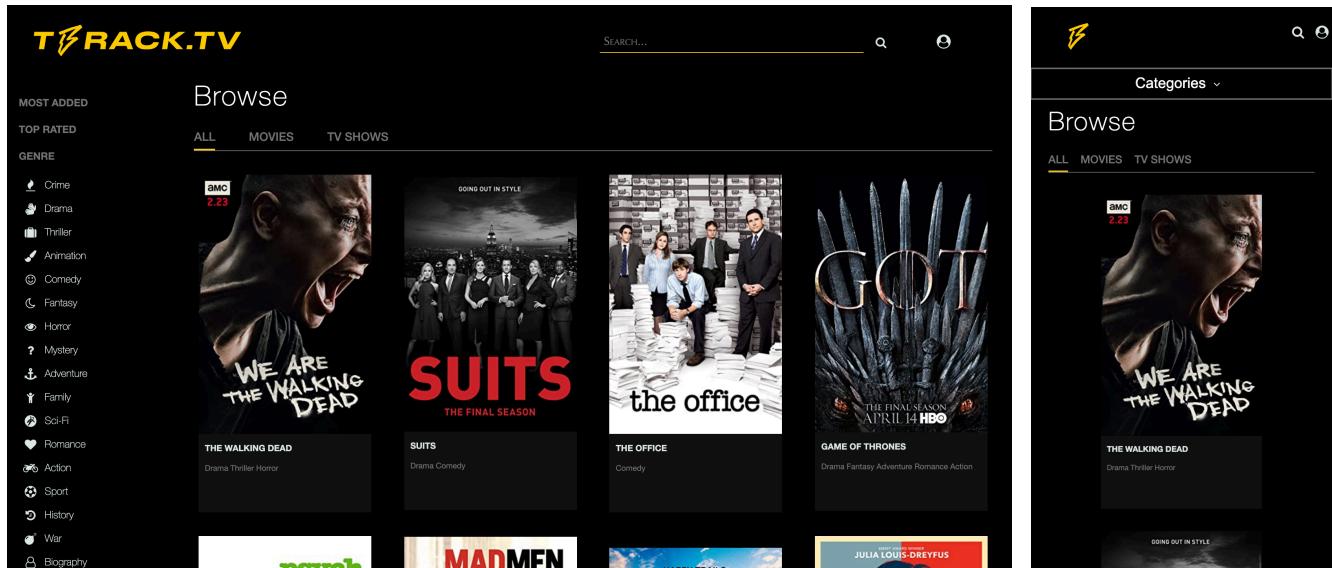
Homepage has the trending movies & tv shows listed so user can keep upto date with the latest trends. Clicking posters listed, an expansion div provides more information and allows the user to mark as watched, favorited, or watchlisted. The 'Explore All' buttons redirects to Browse Page. Hamburger icon (top left) in header opens up the sliding menu which are linked to Browse Page/ About us:



3.5 Browse

Layout: Div separating Header, Footer, Left menu, and posters listed. Posters are listed using grid layout.

Functionality: Connect to the database through PHP to retrieve information based on the selections made by user. Any tab selected narrows down results.



The Browse Page is where users can search about the most added by other users, the top rated, or by genre for all, or specifically in movies or tv shows. The Page is designed responsive and it caters to desktop, tablets, and phone. In tablet and phone display, the left menu is changed to the upper 'Categories' drop down menu which enlists all the options available in the left menu.

Once user clicks on 'All', 'Movies', 'TV Shows' tabs underneath browse, the consequent selections made in the left menu will be within that category. Upon selecting a movie from this page, user will be directed to Film page.

The user may also, at any stage, search in the text field provided in the header, which is also designed responsively. In phone and tablet mode the text field is hidden and is displayed when search icon is clicked. Once go icon is pressed it leads to the search results page.



3.6 Search Results

Layout: Div separating Header, Footer, Left menu, and posters listed. Posters are listed using grid layout. In tablets & phones the left menu is 'Categories' drop down.

Functionality: Connect to the database through PHP to retrieve information based on the query made by user. Any tab selected narrows down results.

The left screenshot displays the 'MOVIES & TV SHOWS' tab, showing search results for various titles. The right screenshot displays the 'USERS' tab, showing search results for various users.

In Movies & TV Shows tab, the matched results from the Movies & TV shows are displayed and are linked to Film Page. In the Users tab, the matched users with the search query are displayed based on username, first name and last name, and are linked to user homepages.

The left screenshot displays the 'MOVIES & TV SHOWS' tab, showing search results for various titles. The right screenshot displays the 'USERS' tab, showing search results for various users.

3.7 Film Page

Layout: Div separating Header, Footer, Left menu, and Film info and reviews.

Functionality: Connect to the database through PHP to retrieve and update information of film.

The first screenshot shows a sidebar with 'MOST ADDED' and 'TOP RATED' sections, and a 'GENRE' section listing various categories like Crime, Drama, Thriller, Animation, Comedy, Fantasy, Horror, Mystery, Adventure, Family, Sci-Fi, Romance, Action, Sport, History, War, and Biography. The main content area features a poster for 'Vikings' with the tagline 'A NEW REIGN BEGINS'. Below the poster are buttons for 'Bookmark', 'Watched', and 'Favorite'. The rating is 8.6/10 IMDb. The second screenshot shows the same film page with additional genre tags: Drama, Adventure, Romance, Action, History, War, and History. The third screenshot is a mobile version of the same page, showing the film poster and title 'Vikings' at the top, followed by the same genre tags.

Film page displays information about the selection, such as its list of genre, rating, counts of watched, favorited, and saved. The user can bookmarks, favorite, add to watchlist, or review the movie.

The left screenshot shows a 'Leave a Review' form with fields for 'Your title here...' and 'Your text here...'. Below the form is a dropdown for 'Rating' with options 1, 2, 3, 4, and 5, where 4 is selected. A yellow 'Add' button is next to it. The right screenshot shows a list of reviews. The first review is from a user named 'vixi' with a 4-star rating, stating: 'From an excellent TV show to an average one'. The second review is from the same user with a 5-star rating, stating: 'The first 3 seasons are excellent. I used to recommend this series to all my friends. Few episodes, good story, unique characters. Then the fame came and brought greed. History Channel decided to double the earnings by doubling the number of episodes in season 4. Without enough content to fill the episodes'.

The review requires title, review text, and a rating from the dropdown menu (shown in phone screenshot). Once 'Add' button is clicked, the page refreshes and the user review is added to the reviews listed.

3.8 User Homepage

Layout: The layout of the website differs from one screen size to another. Entire layout is achieved using divs. The desktop view has a header on top and footer at the bottom. All of the relevant content is displayed between header and footer. Information about the user such as first and last name, age, number of their followers and followings and bio are displayed in the section on the left. User can edit their information, as well as edit their movie lists by clicking on 'Edit Profile' button. Beneath it, the logout button logs out the user and screen is redirected to the main page. The bigger section on the right shows lists of different movies, which include user's watched movies, their favorite movies, movies in their wish list and all the reviews they have given on movies. Users can navigate between the four sections using the navigation menu found on top of the section. Clicking on any item in the list redirects user to the individual page of the movie where all the related information about it is given.

User can view a list of their followers and people they are following and can also visit their profile pages. They can navigate through other user's movie lists as well as their list of followers and followings. Follow button on the other user page allows one user to follow another. If they are already following someone, then the button to unfollow appears which can be used to remove a user from their following list.

Functionality: Information on all these pages is extracted from the MySQL database containing all the required tables. PHP is used to establish connection with the database. The page accepts username as a parameter in its URL. The username is unique for every user and it is used to fetch all the required information of the user. Using sessions, it is checked whether the user is visiting their own page or someone else's page. Based on this, 'edit profile', 'logout' and 'follow' options are made visible to them. To achieve follow functionality, a separate PHP file is used to see when the page is loaded whether the logged in user follows this user or not. Based on the results, either unfollow or follow button is visible to them. Clicking on follow/unfollow button makes a call to JS Ajax function which gets data from the follow.php file and make necessary changes to HTML using them.

Responsive layout is mainly achieved using media queries and JQuery is used to achieve the responsive behavior of some of the divs when in tablet mode. CSS is used to achieve an impressive design of the page.

3.8.1 Navigating Watched Movies, Favorites, Watch Later, and Reviews

The below screenshots show the user profile watched movies, favorited, watch later, and reviews.

Watched Movies and TV Shows (3)

- Friends (10 Seasons)**
Rating: 8.9/10
- Breaking Bad (5 Seasons)**
Rating: 9.5/10
- Avengers: Age of Ultron (2015)**
Rating: 7.4/10

Favorites and TV Shows (3)

- Sense8 (2 Seasons)**
Rating: 8.3/10
- Warm Bodies (2013)**
Rating: 6.9/10
- Rio 2 (2014)**
Rating: 6.4/10

The screenshot shows the Ttrack.TV user profile for a user named Ume Hani, 18 (@uhani). The profile features a circular profile picture of a purple rose. The navigation bar at the top includes 'Watched Movies', 'Favorites', 'Watch Later' (which is highlighted in yellow), and 'Reviews'. Below the navigation bar, the title 'Watch Later (6)' is displayed. Underneath, there are three movie cards: 'Breaking Bad (5 Seasons)' with a rating of 9.5/10, 'Prison Break (5 Seasons)' with a rating of 8.3/10, and 'The Good Doctor (3 Seasons)' with a rating of 8.2/10. Each card includes a small thumbnail image and the title. At the bottom left, there are 'Edit Profile' and 'LOGOUT' buttons.

The screenshot shows the Ttrack.TV user profile for a user named Ume Hani, 18 (@uhani). The profile features a circular profile picture of a purple rose. The navigation bar at the top includes 'Watched Movies', 'Favorites', 'Watch Later', and 'Reviews' (which is highlighted in yellow). Below the navigation bar, the title 'Reviews (2)' is displayed. Underneath, there are two review cards: 'Rio 2 (2014)' with a rating of 5/5 and 'Avengers: Age of Ultron (2015)' with a rating of 3/5. Each card includes a small thumbnail image and the title. At the bottom left, there are 'Edit Profile' and 'LOGOUT' buttons.

3.8.2 Followers & Following

The below screenshots show the user profile watched movies, favorited, watch later, and reviews.

TTRACK.TV

SEARCH...  

Watched Movies Favorites Watch Later Reviews



Following (1)



Maira Tariq

Ume Hani, 18
@uhani
2 Followers
1 Following

About Me
Life was meant for good friends and great adventures.

[Edit Profile](#) [LOGOUT](#)

B



Ume Hani, 18
@uhani
2 Followers
1 Following

About Me
Life was meant for good friends and great adventures.

[Edit Profile](#) [LOGOUT](#)

Watched Movies Favorites Watch Later Reviews

Following (1)



Maira Tariq

TTRACK.TV

SEARCH...  

Watched Movies Favorites Watch Later Reviews



Followers (2)



Haleema Ramzan



Fatimah Zulfiqar

Ume Hani, 18
@uhani
2 Followers
1 Following

About Me
Life was meant for good friends and great adventures.

[Edit Profile](#) [LOGOUT](#)

B



Ume Hani, 18
@uhani
2 Followers
1 Following

About Me
Life was meant for good friends and great adventures.

[Edit Profile](#) [LOGOUT](#)

Watched Movies Favorites Watch Later Reviews

Followers (2)

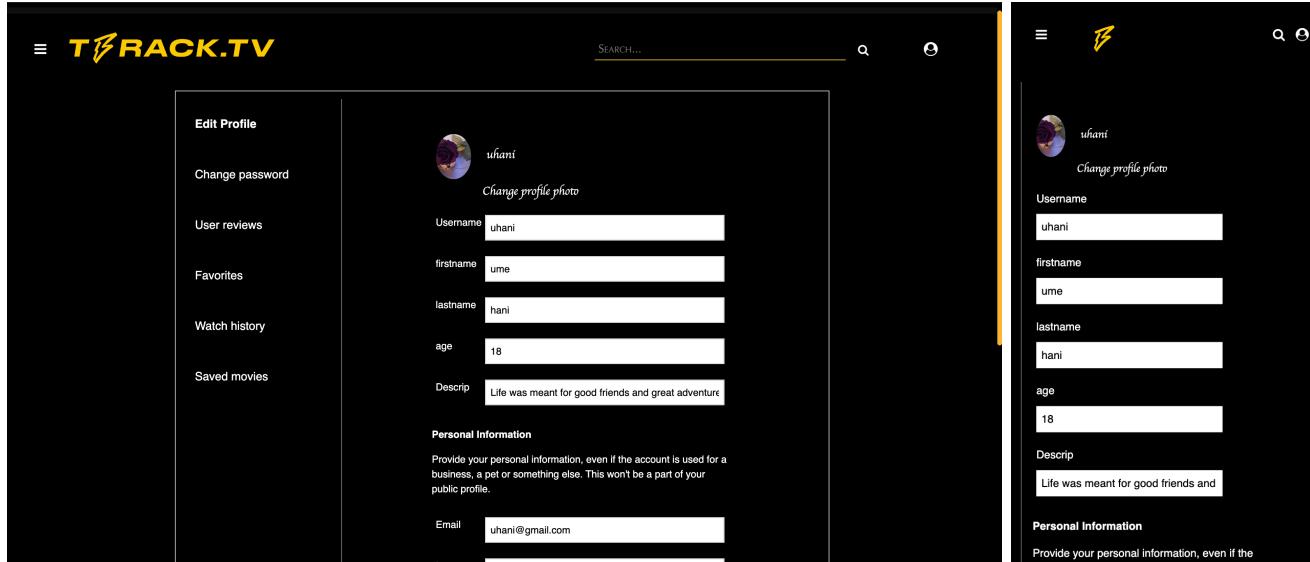


Haleema

3.9 User Edit Profile

Layout: Div separating Header, Footer, and inner content display div.

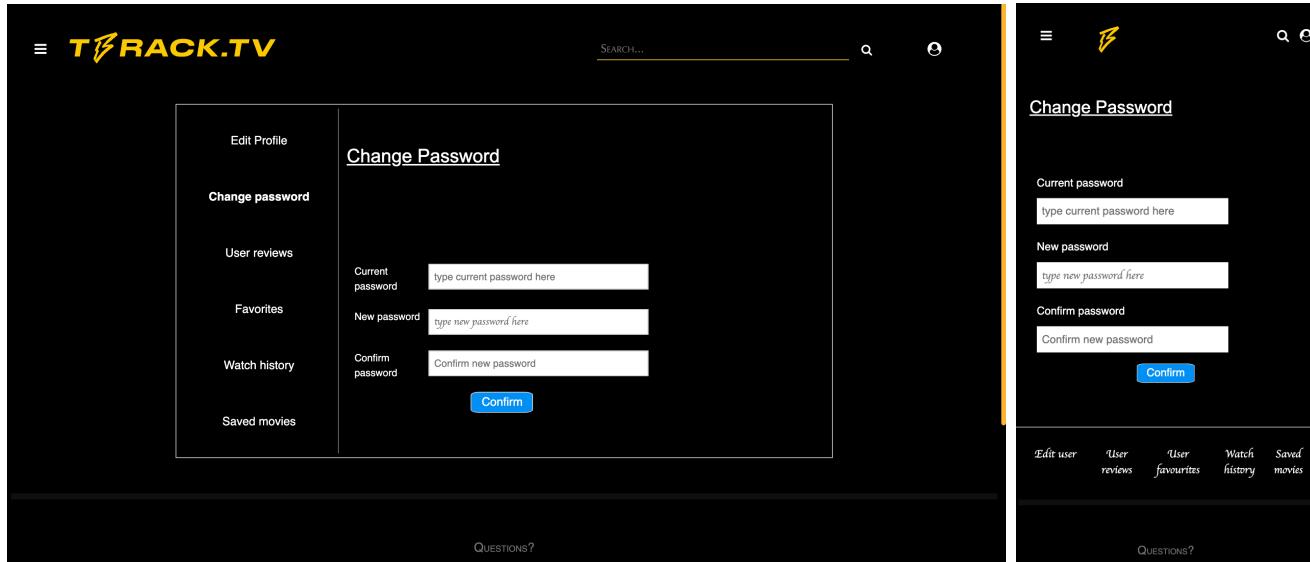
Functionality: Connect to the database by PHP to retrieve and edit information connected to user.



The image displays two side-by-side screenshots of a user's profile page on the TTRACK.TV website. The left screenshot shows the full profile interface with a sidebar containing links like 'Edit Profile', 'Change password', 'User reviews', 'Favorites', 'Watch history', and 'Saved movies'. The right screenshot is a close-up of the 'Personal Information' section, which includes fields for 'Username' (uhani), 'firstname' (ume), 'lastname' (hani), 'age' (18), and 'Descrip' (Life was meant for good friends and great adventure). Both screenshots show a dark theme with yellow and white text.

Edit info page is designed to allow users to change their data. If user enters wrong email address or age or image address then they are notified by an error message and editing isn't completed.

3.9.1 Change Password



The image shows two screenshots related to password changes. The left screenshot is from the 'Edit Profile' section of the TTRACK.TV website, specifically the 'Change password' part. It features fields for 'Current password', 'New password', and 'Confirm password', with a 'Confirm' button at the bottom. The right screenshot is a separate 'Change Password' page with three input fields: 'Current password', 'New password', and 'Confirm password', and a 'Confirm' button. Both pages have a dark theme with yellow and white text.

User can also his/her change password. If user enter wrong current password, then password will not change and they will be notified with an error message. Same goes for typing different new password in both fields.

3.9.2 Edit Reviews

Reviews

Rio 2 (2014)

After three years, the Rio franchise continues, with this wonderful sequel. Blu and Jewel, having fallen in love during the first movie, now have three adorably rambunctious children, Bla, Carla and Tiago. Each chick has their own unique personality traits, providing an amusing balance between them.

Avengers: Age of Ultron (2015)

I'm a big fan of Marvel and have seen the other Avengers titles, and so I went into this one with certain expectations. They weren't met. As opposed to earlier installments, barely a few minutes seem to pass in AoU without one of the characters making what is supposed to be an amusing,

Reviews

Rio 2 (2014)

After three years, the Rio franchise continues, with this wonderful sequel. Blu and Jewel, having fallen in love during the first movie, now have three adorably rambunctious children, Bla, Carla and Tiago. Each chick has their own unique personality traits, providing an amusing balance between them.

Avengers: Age of Ultron (2015)

I'm a big fan of Marvel and have seen the other Avengers titles, and so I went into this one with certain expectations. They weren't met. As opposed to earlier

User can delete added reviews by clicking remove.

3.9.3 Edit Favorites

Favorites

Sense8

Seasons: 2
Rating: 8.3 stars

Warm Bodies (2013)

Seasons: 0
Rating: 6.9 stars

Rio 2 (2014)

Favorites

Sense8

Seasons: 2
Rating: 8.3 stars

Warm Bodies (2013)

Seasons: 0
Rating: 6.9 stars

Rio 2 (2014)

User can delete favorited movies by clicking remove on selected movie.

3.9.4 Edit Watch History

The left screenshot shows the 'History' section with three items: 'Friends' (Seasons: 10, Rating: 8.9 stars), 'Breaking Bad' (Seasons: 5, Rating: 9.5 stars), and 'Sense8' (partially visible). The right screenshot shows a similar 'History' section with three items: 'Friends' (Seasons: 10, Rating: 8.9 stars), 'Breaking Bad' (Seasons: 5, Rating: 9.5 stars), and 'Sense8' (Seasons: 2, Rating: 8.3 stars). Both screens have a sidebar on the left with options like 'Edit Profile', 'Change password', 'User reviews', 'Favorites', 'Watch history', and 'Saved movies'. A search bar and a profile icon are at the top.

User can delete watch history movies by clicking remove on selected movie.

3.9.5 Edit Saved Movies

The left screenshot shows the 'Wishlist' section with three items: 'Breaking Bad' (Seasons: 5, Rating: 9.5 stars), 'Prison Break' (Seasons: 5, Rating: 8.3 stars), and 'The Good Doctor' (partially visible). The right screenshot shows a similar 'Wishlist' section with three items: 'Breaking Bad' (Seasons: 5, Rating: 9.5 stars), 'Prison Break' (Seasons: 5, Rating: 8.3 stars), and 'The Good Doctor' (Seasons: 3, Rating: 8.2 stars). Both screens have a sidebar on the left with options like 'Edit Profile', 'Change password', 'User reviews', 'Favorites', 'Watch history', and 'Saved movies'. A search bar and a profile icon are at the top.

User can delete watch later movies by clicking remove on selected movie.

3.10 Admin

Layout: Between the header and footer is the content div that contains the form (excluding homepage).

Functionality: Database connection is made using PHP

3.10.1 Admin Homepage

The screenshot shows the Admin Homepage with two main sections:

Users: A table listing user data with columns: ID, Name, Username, Gender, Age, Email, and Password. The data includes:

ID	Name	Username	Gender	Age	Email	
11	ali	ali	ahmed	19	male	ali.ahmed@gmail.com
12	salman456	salman	ahmed	22	male	salman222@gmail.com
13	sharique	sharique	pervaiz	23	male	spervaiz@gmail.com
14	blink	hamiz	ali	20	male	hami@gmail.com
15	fatimah	fatimah	zulfiqar	19	female	tzulfiqar@gmail.com
16	emunir	emunir	munir	22	female	emunir@hotmail.com

Movies/Tv Shows: A table listing movie data with columns: movieID, Title, Rating, and Seasons. The data includes:

movieID	Title	Rating	Seasons
1	Mr. Robot	4	8.5

Displays the current contents of movies table and users table. Buttons link to data manipulation pages.

3.10.2 Delete User

The screenshot shows the 'Delete User By User Name' page with the following fields:

- Search Username: An input field with placeholder "Search User Name".
- Search: A yellow button labeled "Search".
- UserName: An input field with placeholder "Username".
- First Name: An input field with placeholder "First Name".
- Last Name: An input field with placeholder "Last Name".

An administrator can delete a user by directly looking up the username. In cases, where community members misbehave, the admin can look up their usernames and remove their accounts permanently to avoid issues in the Track TV family. By looking up a user's username, all his/her credentials will appear so that the admin can confirm that the correct user is being removed.

If the username entered does not exist in the database, the administrator is notified with an error message that the user does not exist. After deletion of a user, the admin stays on the page to allow further removals before quitting.

The back option leads to the admin home page where further functionalities are provided.

3.10.3 Add Movie/TV Show

The image shows two side-by-side screenshots of a mobile application. The left screenshot displays a 'New Movie/Show Information' screen with fields for ID, Title, Ratings, and Seasons, each containing a placeholder text like 'ID', 'Title', 'Rating', and 'Seasons'. The right screenshot shows a similar form with the same fields, but the 'Title' field is empty, indicated by a red error message above it.

Field	Left Screenshot Value	Right Screenshot Value
ID	ID	ID
Title	Title	(Empty)
Ratings	Rating	Rating
Seasons	Seasons	Seasons

An administrator has the rights to add new movies to the database. Whenever a new movie is added, the admin has to provide the movie ID which has to be unique, the title, rating and movie image that shall be represented on the home page.

If the new addition is a show, the admin must provide the number of seasons. In case a field is left empty or incorrect information is provided, error messages notify the admin of the issue which can be corrected before the data is added to the database.

3.10.4 Edit Movie/TV Show

The left screenshot shows the 'Edit Movie/Show Information' screen. It features a search bar at the top with a placeholder 'SEARCH...'. Below it is a section for 'Search ID' with a text input field and a 'Search' button. Further down are fields for 'ID' and 'Title', each with its own input field.

The right screenshot shows the 'Information' screen, which includes sections for 'Search ID' (with a 'Search' button), 'ID', 'Title', and 'Ratings'.

Administrator has the rights to edit already added movies. The top portion of the page allows the admin to search for the movie using the movie ID since the movie ID for all movies is unique. In case no such movie exists, the admin is notified with an error.

All the related data of the movie can then be edited and changed in the data base except the ID which is read-only. Any wrong information entered or empty field at the submission time will prompt respective error messages that clearly indicate to the admin, where the issue is. After a successful change to the data, the admin stays on the page to allow further editing.

3.10.5 Delete Movie/TV Show

The left screenshot shows the 'Delete Movie/Show By ID' screen. It has a search bar at the top with a placeholder 'SEARCH...'. Below it is a section for 'Search ID' with a text input field and a 'Search' button. Further down are fields for 'ID' and 'Title', each with its own input field.

The right screenshot shows the 'Delete Movie/Show By ID' screen, which includes sections for 'Search ID' (with a 'Search' button), 'ID', 'Title', and 'Ratings'.

Similar to the facility of adding new shows, an admin is allowed to delete existing shows as well. Apart from the home page, if the admin wishes to delete a movie based on a quick search using the ID, the admin can do so using the 'admin_delete_movie.php' page.

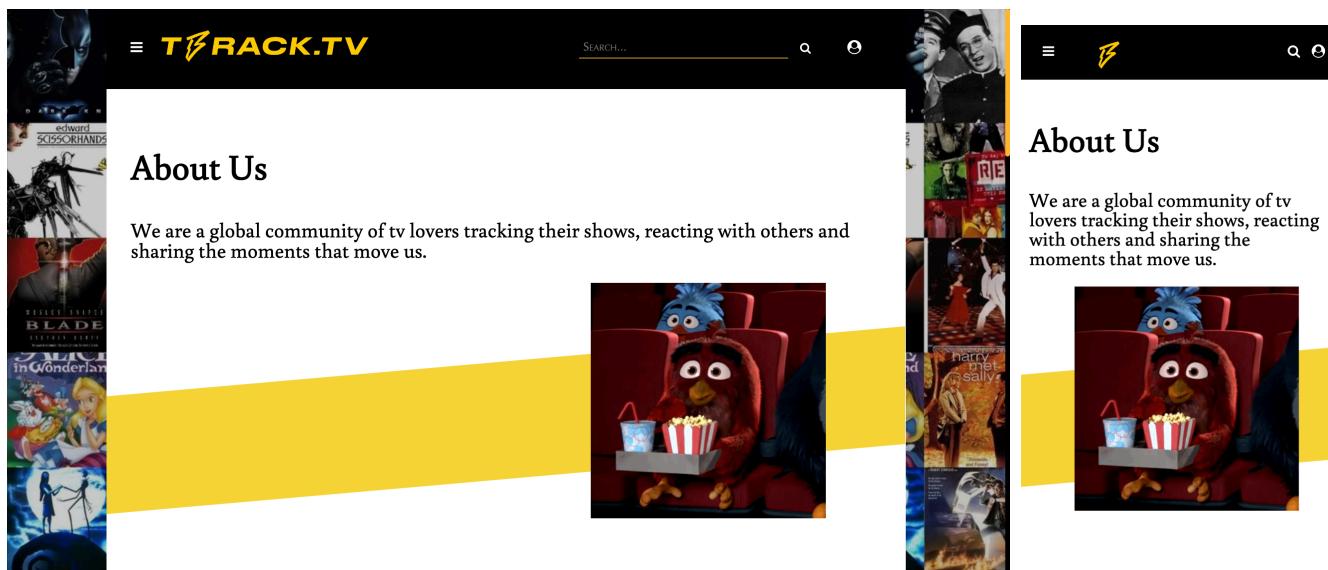
Just as in the deletion of user, the admin can now look up the movie ID and if that movie exists, the data for the movie will be shown to the admin for a final view before the delete decision. Otherwise, the admin will be notified that no such movie exists in the database. After deletion, the admin stays on page to allow further movies to be deleted.

3.11 General Pages

Layout: The pages have a main background div and then an overlay div with the header footer and content. The content is arranged with skew flex-boxes and text paragraphs while the header and footer at the top and bottom respectively. The pages are responsive to the mobile and tab mode where the background div is overtaken by the content completely. The pages of services and contact have a quick access at the top which is in the form of inline-block display.

Functionality: These are static pages and do not use any database connection.

3.11.1 About Us



No website description is complete without the information about what it is. Track TV's main about-us page covers this content for the website. About us a general page that explains briefly the aim of the website and introduces the team to the viewers. The page serves as a quick overview and a greeting for people just arriving at Track TV.

3.11.2 Contact Us

Contact Us

Track TV is always there for you whenever you need our help and support.

[Phone Number](#) [Email](#) [Address](#) [Social media](#)

Phone Number

You can contact us using our cell phone :
03000000

Phone Number

You can contact us using our cell phone :
03000000

Provides basic contact info to the users at Track TV. This includes the phone and address of our team. Again, this page is accessible through the footer.

3.11.3 Services

Services

Track Time provides our users with exciting opportunities!

[Free Accounts](#) [Easier Movie Searches](#) [Favourites](#) [Follower Lists](#) [Top Users](#) [Watch Lists](#) [Current Trends](#) [Stats](#)

Free Accounts

Track TV allows you create your accounts completely free of cost! You are just one signup away from joining our international community.
No crazy captchas and no extra billing. It's all free!

Free Accounts

Track TV allows you create your accounts completely free of cost! You are just one signup away from joining our international community.
No crazy captchas and no extra billing.

In order to quickly get familiar with what goes on in Track TV, the services page covers all the major features of the website in its services page. Users can easily access the page through the website footer which is available everywhere.

3.11.4 Developers

The screenshot shows the 'Developers' section of the Track TV website. It features a grid of developer profiles. On the left, there's a sidebar with movie posters for Edward Scissorhands, Blade, and Alice in Wonderland. The main content area has a dark header with the Track TV logo and a search bar. Below the header, the word 'Developers' is displayed in large white letters. A bio for Maira Tariq is shown, followed by bios for Haleema Ramzan, Maha Shahwar, and Um E Hani. Each profile includes a small thumbnail image and a brief description. A yellow banner at the bottom highlights 'Maira Tariq'. To the right, a detailed bio for Maira Tariq is provided, mentioning her ability to derive unique insights into design challenges and assist clients in maximizing online value.

Developers

Track Time has a developing team of highly skilled and professional web developers and coders:

Maira Tariq
Haleema Ramzan
Maha Shahwar
Um E Hani

Maira Tariq

Maira Tariq possesses the ability to derive unique insights into any design challenge. She assists our

Maira Tariq

Track Time has a developing team of highly skilled and professional web developers and coders:

Maira Tariq
Haleema Ramzan
Maha Shahwar
Um E Hani

Maira Tariq

Maira Tariq possesses the ability to derive unique insights into any design challenge. She assists our clients in maximizing the value of their online

Intro of project developers in this page and summarizes their bios in a quick review.

3.11.5 FAQs

The screenshot shows the 'FAQs' section of the Track TV website. It features a sidebar with movie posters for Edward Scissorhands, Blade, and Alice in Wonderland. The main content area has a dark header with the Track TV logo and a search bar. Below the header, the word 'FAQs' is displayed in large white letters. A yellow banner at the bottom highlights 'How do i create my account?'. The page contains two main sections: one about account creation and one about watchlists. Both sections include a brief description and a yellow banner at the bottom highlighting the question. A detailed answer for account creation is provided, mentioning free signups and account reuse rules. A similar detailed answer is provided for watchlists.

FAQs

Confused about Track Time? Don't worry! We are here to help you!

How do i create my account?

Track TV allows free account creation. Just go up to the signup page and enter your information for instant account creation. Users are not allowed to reuse an email or to duplicate a username. Creation of a Track TV account gives you unlimited access to all our services.

What is a watchlist?

FAQs

Confused about Track Time? Don't worry! We are here to help you!

How do i create my account?

Track TV allows free account creation. Just go up to the signup page and enter your information for instant account creation. Users are not allowed to reuse an email or to duplicate a username. Creation of a Track TV account gives you unlimited access to all our services.

What is a watchlist?

Users can find answers to their most common questions here such as 'what is a watchlist' or 'what to do if they need any help?'. This page is also a first-hand requirement and hence, it is available in the footer.

4. Functional Requirements



The application is a web application.

Data is displayed dynamically and fetched from the underlying database.

Layout is responsive in nature and achieved using CSS media queries.

Application displays information about movies and TV shows such as their posters, titles, genre, rating and reviews.

A user can add a movie to their watched list, list it as a favorite, add movies to watch later list and give reviews and rating to the movie.

User can sign up on the application and then use those credentials to log in any time. An email can only be used once to sign up. Username has to be unique.

Application can only be browsed if the user is logged in.

Movies and TV shows are be search-able by title. Users can be searched by their username, first name and last name.

Movies and TV shows can be looked up based on genres, popularity, and ratings.

User profile displays their full name, username, age, number of followers and following, watched movies list, favorites' list, movies added to watch later list and reviews given by the user.

User can follow other users and view their profiles.

User can edit their profile information.

Users can add or remove movies and TV shows from their saved, favorited, and watched lists.

Users can remove their posted comments.

Admins can add, edit, and delete movies from the database.

Admin can also delete a user from the database.

5. Challenges



Due to our limited resources, we were unable to add in extra functionalities to enhance the performance of our website.

One example would be automated email verification for Sign up users to confirm account creation.

Another is a link to IMDb database for automatic movie database update.

In addition to this, linking the Track.tv user profile to other social media platform profiles would also allow users for a better integrated experience.

6. Conclusion



Track TV serves as a complete platform to lookup and follow seasons and movies, getting a fair idea of their ratings, popularity and genre. This multi-purpose community can serve as a proper online system after acquiring a domain name, where users interact and share their love for entertainment television.