

## Project Report: Netflix Website Clone

### Introduction:

The Netflix Website Clone project aimed to replicate the popular streaming service's website, providing a similar user experience and functionality. The project was built using HTML, CSS, JavaScript, React, Node.js, and MongoDB. The project included features such as user registration, login, movie/TV show browsing, adding items to the user's list, streaming, user profile, and admin panel. The project was tested thoroughly to ensure usability and security.

### Project Objective:

The objective of the Netflix Website Clone project was to replicate the functionality and design of the original Netflix website. The primary goal was to provide users with a similar experience to the original Netflix website and enable them to stream movies and TV shows, browse content, and create a

personal list. The project aimed to incorporate the following functionality:

1. User Registration: Users could create an account on the website.
2. User Login: Users could log in to their account using their email and password.
3. Movie/TV Show Browsing: Users could browse movies and TV shows by genre and search for specific titles.
4. Movie/TV Show Detail Page: Users could view detailed information about a specific movie or TV show, including a trailer, synopsis, and cast information.
5. My List: Users could add movies and TV shows to their personal list.
6. Streaming: Users could stream movies and TV shows on the website.
7. User Profile: Users could view and edit their profile information.
8. Payment: Users could enter their payment information to subscribe to the streaming service.
9. Admin Panel: Admins could manage movies, TV shows, and user data.

Technologies Used:

The project was developed using the

following technologies:

1. HTML: To create the structure and layout of the website
2. CSS: To style the website and make it visually appealing
3. JavaScript: To add interactivity to the website and make it dynamic
4. React: To create components and manage the state of the website
5. Node.js: To create a backend server to handle requests and store user data
6. MongoDB: To store user data and movie/TV show information

Pages:

The Netflix Website Clone included the following pages:

1. Home Page: This page displayed a selection of featured movies and TV shows, as well as options to browse by genre and search for specific titles.
2. Login/Register Page: This page allowed users to create an account or log in to an existing account.

3. **Movie/TV Show Detail Page:** This page displayed detailed information about a specific movie or TV show, including a trailer, synopsis, and cast information.
4. **Browse Page:** This page allowed users to browse movies and TV shows by genre.
5. **My List Page:** This page displayed the movies and TV shows that the user had added to their list.
6. **Player Page:** This page allowed users to stream movies and TV shows.

#### Functionality:

The Netflix Website Clone had the following functionality:

1. **User Registration:** Users could create an account on the website.
2. **User Login:** Users could log in to their account using their email and password.
3. **Movie/TV Show Browsing:** Users could browse movies and TV shows by genre and search for specific titles.
4. **Movie/TV Show Detail Page:** Users could view detailed information about a specific movie or TV show, including a trailer, synopsis, and cast information.

5. My List: Users could add movies and TV shows to their personal list.
6. Streaming: Users could stream movies and TV shows on the website.
7. User Profile: Users could view and edit their profile information.
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9. Admin Panel: Admins could manage movies, TV shows