

I.T.S ENGINEERING COLLEGE GREATER NOIDA

(A NAAC Accredited Engineering College)

MINI PROJECT REPORT

ON

TRAILZ

BACHELOR OF TECHNOLOGY

In

Computer Science & Engineering

By

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**I.T.S ENGINEERING COLLEGE
GREATER NOIDA**

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ABSTRACT

Prior to movie/web-series release in theaters or OTT platforms, trailers provide valuable information that can help viewers form expectations about the movie's/web-series future success. Viewing trailers in higher quality not only enhances the viewing experience but also helps in viewing details in the clip that may get skipped in lower resolution.

Watching 4K trailers might get difficult due to presence of lots of fake click-baits. To solve this issue the project TRAILZ comes into picture. TRAILZ is an online website for viewing genuine 4K trailers of movies and web-series. The website includes trailers of Bollywood , Hollywood and some other renowned cinemas. The website provides genres for specified searching of movie/web series.

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Chapter 1

INTRODUCTION

“One stop platform for trailers of the movies and web-series in 4K quality”

TRAILZ is an online website where one can watch trailers of movies and web-series of various cinemas like Bollywood, Hollywood and other renowned cinemas. Viewing trailers in higher quality not only enhances the viewing experience but also helps in viewing details in the clip that may get skipped in lower resolution. TRAILZ provides trailers in 4K quality with great audio quality that includes Dolby Atmos. But to watch 4K trailers can be very difficult due to presence of lots of clickbaits over internet. This problem is resolved by TRAILZ. It is build with the motive to provide people genuine 4K trailer of their favorite movies and shows without any hard work at free of cost. Along with trailers, TRAILZ provide a stunning looking webpage with animated banner of recommend shows containing a small description of it which further increases the user experience to another level. By viewing trailers people can decide whether to watch movie or not. Also if someone wants to watch a movie or web series of a particular genre, the website provides different sections for different categories to select from.

Chapter 2

Languages and Web Hosting

The main languages used in building the website are HTML, CSS and JavaScript.

- **HTML**- It stands for Hyper Text Markup Language. It defines the meaning and structure of web content.
- **CSS**- It stands for Cascading Styling Sheets. It is used to format the layout of web pages.
- **JS**- It stands for JavaScript. It is used to create interactive effects within web browsers.
- **Web Hosting:**

Web hosting is a service that allows organisations and individuals to post a website or web page onto the Internet. It is a process of renting or buying space to house a website on the World Wide Web.

Project TRAILZ is hosted on GitHub by Microsoft which is an Internet hosting service for software development and version control using Git.

Chapter 3

Implementation

Appearance

3.1 Homepage

TRAILZ has a very stunning looking website having various components like animated banners, famous OTT platforms intro player cards, sliding movie cards and a footer.

Overview

The background colour of the whole website is the hexacode #0c111b. On the top of website there is the logo which is a text logo stating the website name i.e. TRAILZ.

Logo is followed by animated banners which contains the banner of the recommended shows and a short description of it. These banners automatically slide after a fixed interval of time.

On going down of the animated banners, there are some cards which on hovering plays the intro video of some famous OTT platform and studio.

Moving down, the website contains the movie cards. These cards are dynamic. On hovering over the cards they lifts up a little bit and the movie/web series name along with the play button. On moving the cursor over the play button, the button becomes clickable and the text “play” gets highlighted. On clicking the play button , the user lands on the 4K trailer of the desired movie or web series.

The website also contains the next and previous button which appears on hovering on the right most side of the page and the left most side of the page respectively. These buttons helps in sliding the movie cards to see the other movie cards.

There are also genre wise partitions like action, horror, Bollywood, Hollywood etc. on the website for filtered searching.

HTML code snippet

```
<nav class="navbar">
  <!-- Inserting the website logo -->
  
</nav>
```

CSS code snippet

```
@import url("https://fonts.googleapis.com/css2?family=Roboto&display=swap");
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;}
/* main layout of the webpage */
body {
  width: 100%;
  background: #0c111b;
  position: relative;
  font-family: "Roboto", sans-serif;}
```

```

/* styling for logo */
.navbar {
  width: 100%;
  height: 80px;
  position: fixed;
  top: 0;
  left: 0;
  padding: 0 4%;
  background: #0c111b;
  z-index: 9;
  display: flex;
  align-items: center;}

```

3.1.1 Animated Banners

Animated banners are present on the top of the website. These banners shows the recommended shows/movies. These banners automatically slide after few seconds. Along with banner, it contains a small description of the web series or movie.

HTML code snippet

```

<!-- carousel containers are the animated banner -->
<div class="carousel-container">
  <div class="carousel">
  </div>
</div>

```

CSS code snippets

```

/* creating container for animated banners */
.carousel-container {
  position: relative;
  width: 100%;
  height: 450px;
  padding: 20px 0;
  overflow-x: hidden;
  margin-top: 80px;}

.carousel {
  display: flex;
  width: 92%;
  height: 100%;
  position: relative;
  margin: auto;
  background: #000; }

/* styling the banner container */
.slider {
  flex: 0 0 auto;
  margin-right: 30px;
  position: relative;
  background: rgba(0, 0, 0, 0.5);
  border-radius: 5px;
  width: 100%;
  height: 100%;
  left: 0;

```

```

    transition: 1s;
    overflow: hidden;}

/* defining the images of the banner */
.slider img {
    width: 70%;
    min-height: 100%;
    object-fit: cover;
    display: block;
    margin-left: auto;}
/* defining the contents of the banner */
.slide-content {
    position: absolute;
    width: 50%;
    height: 100%;
    z-index: 2;
    background: linear-gradient(to right, #030b17 80%, #0c111b00);
    color: #fff;}

```

JavaScript code snippet

```

const carousel = document.querySelector(".carousel");
let sliders = [];
let slideIndex = 0;
const createSlide = () => {
    if (slideIndex >= movies.length) {
        slideIndex = 0;
    }

    //creating DOM elements
    let slide = document.createElement("div");
    let imgElement = document.createElement("img");
    let content = document.createElement("div");
    let h1 = document.createElement("h1");
    let p = document.createElement("p");

    //attaching all elements
    imgElement.appendChild(document.createTextNode(""));
    h1.appendChild(document.createTextNode(movies[slideIndex].name));
    p.appendChild(document.createTextNode(movies[slideIndex].des));
    content.appendChild(h1);
    content.appendChild(p);
    slide.appendChild(content);
    slide.appendChild(imgElement);
    carousel.appendChild(slide);

    //setting up image
    imgElement.src = movies[slideIndex].image;
    slideIndex++;

    // setting elements classname
    slide.className = "slider";
    content.className = "slide-content";

```



```

h1.className = "movie-title";
p.className = "movie-des";
sliders.push(slide);

// adding sliding effect
if (sliders.length) {
  sliders[0].style.marginLeft = `calc(-${100 * (sliders.length - 2)}% - ${
    30 * (sliders.length - 2)
  }px)`;
}
};

for (let i = 0; i < 3; i++) {
  createSlide();}
setInterval(() => {
  createSlide();
}, 3000);

```

3.1.2 OTT/Studio intro players

These are the small cards that shows the names of famous OTT platforms like Netflix, Amazon Prime etc. When cursor is hovered over the card, it starts to play the intro video of respective platform or studio.

HTML code snippet

```

<!-- Creating OTT platforms intro player -->
<div class="video-card-container">
  <div class="video-card">
    
    <video src="videos/disney.mp4" mute loop class="card-video"></video>
  </div>
  <div class="video-card">
    
    <video src="videos/marvel.mp4" mute loop class="card-video"></video>
  </div>
  <div class="video-card">
    
    <video src="videos/Netflix_Intro.mp4" mute loop class="card-video"></video>
  </div>
  <div class="video-card">
    
    <video src="videos/Amazon_Prime.mp4" mute loop class="card-video"></video>
  </div>
</div>

```

CSS code snippet

```

/* OTT intro player */
.video-card-container {
  position: relative;
  width: 92%;
  margin: auto;
}

```

```

height: 10vw;
display: flex;
margin-bottom: 20px;
justify-content: space-between;}
.video-card {
position: relative;
min-width: calc(100% / 5 - 10px);
width: calc(100% / 5 - 10px);
height: 100%;
border-radius: 5px;
overflow: hidden;
background: #030b17;}
.video-card-image, .card-video {
width: 100%;
height: 100%;
object-fit: cover;}

```

JavaScript code snippet

```

//video cards
const videoCards = document.querySelectorAll(".video-card");
videoCards.forEach((item) => {
  item.addEventListener("mouseover", () => {
    let video = item.children[1];
    video.play();
  });
  item.addEventListener("mouseleave", () => {
    let video = item.children[1];
    video.pause();
  });
});

```

3.1.3 Movie Cards

These cards shows the official poster of the web series and movies as the thumbnail and when the cursor is hovered over the card, it slightly lifts up with a smooth transition and shows the title along with play button. The play button further lifts up and becomes clickable when cursor is placed over it. When PLAY button is clicked , the user is redirected to the 4K trailer of the respective movie card. These cards are also dynamic which means it can slide left and right to show other cards.

HTML code snippet

```

<div class="card-container">
  <div class="card">
    
    <div class="card-body">

```

```

        <h2 class="name">Harry Potter and the Sorcerer's Stone</h2>
        <button class="watchlist-btn">
            <!-- <iframe width="560" height="315"
src="https://www.youtube.com/embed/mNgwNXKBEW0" title="YouTube video player" frameborder="0"
allowfullscreen></iframe> -->
            <a allowfullscreen href="https://www.youtube.com/embed/mNgwNXKBEW0"
target="_blank" allowfullscreen class="play-btn">PLAY</a>
        </button>
    </div>
</div>

```

CSS code snippet

```

/* creating movie card container */
.card-container {
    position: relative;
    width: 92%;
    padding-left: 10px;
    padding-bottom: 10px;
    height: 220px;
    display: flex;
    margin: 0 auto;
    align-items: center;
    overflow-x: auto;
    overflow-y: visible;
    scroll-behavior: smooth;}
.card-container::-webkit-scrollbar {
    display: none;}
/* defining movie card */
.card {
    position: relative;
    min-width: 150px;
    width: 150px;
    height: 200px;
    border-radius: 5px;
    overflow: hidden;
    margin-right: 10px;
    transition: 0.5s;}

/* movie card image */
.card-img {
    width: 100%;
    height: 100%;
    object-fit: cover;}

/* Hovering effect */
.card:hover {
    transform: scale(1.1);}
.card:hover .card-body {
    opacity: 1;}
.card-body {
    opacity: 0;

```

```
width: 100%;
height: 100%;
position: absolute;
top: 0;
left: 0;
z-index: 2;
background: linear-gradient(to bottom, rgba(4, 8, 15, 0), #192133 90%);
padding: 10px;
transition: 0.5s;}
```

JavaScript code snippet

```
// card sliders
let cardContainers = [...document.querySelectorAll(".card-container")];
let preBtns = [...document.querySelectorAll(".pre-btn")];
let nxtBtns = [...document.querySelectorAll(".nxt-btn")];

cardContainers.forEach((item, i) => {
let containerDimensions = item.getBoundingClientRect();
let containerWidth = containerDimensions.width;
```

3.1.4 Next and Previous button

Next and previous button appears on hovering on the right most side of the page and the left most side of the page respectively. These buttons helps in sliding the movie cards to see the other movie cards.

HTML code snippet

```
<button class="pre-btn"></button>
<button class="nxt-btn"></button>
```

CSS code snippet

```
.pre-btn,.nxt-btn {
position: absolute;
top: 0;
width: 5%;
height: 100%;
z-index: 2;
border: none;
cursor: pointer;
outline: none;}

.pre-btn {
left: 0;
background: linear-gradient(to right, #0c111b 0%, #0c111b00);}

.nxt-btn {
right: 0;
background: linear-gradient(to left, #0c111b 0%, #0c111b00);}

.pre-btn img,
.nxt-btn img {
width: 15px;
height: 20px;
opacity: 0;}
```

```
.pre-btn:hover img,
.nxt-btn:hover img {
  opacity: 1;}
```

JavaScript code snippet

```
//next button
nxtBtns[i].addEventListener("click", () => {
  item.scrollLeft += containerWidth - 200;
});
//previous button
preBtns[i].addEventListener("click", () => {
  item.scrollLeft -= containerWidth + 200;
});
});
```

3.1.5 Play button

On moving the cursor over the play button, the button becomes clickable and the text “play” gets highlighted. On clicking the play button, the user lands on the 4K trailer of the desired movie or web series.

HTML code snippet

```
<button class="watchlist-btn">
  <!-- <iframe width="560" height="315"
src="https://www.youtube.com/embed/mNgwNXKBEW0" title="YouTube video player" frameborder="0"
allowfullscreen></iframe> -->
  <a allowfullscreen href="https://www.youtube.com/embed/mNgwNXKBEW0"
  target="_blank" allowfullscreen class="play-btn">PLAY</a>
</button>
```

CSS code snippet

```
.play-btn {
  position: relative;
  width: 100%;
  text-transform: capitalize;
  background: none;
  border: none;
  font-weight: 500;
  text-align: center;
  color: rgba(225, 225, 225, 0.5);
  margin: 5px 0;
  cursor: pointer;
  padding: 10px 5px;
  border-radius: 5px;
  text-decoration: none;}

.play-btn::before {
  color: rgba(225, 225, 225, 0.5);}

.play-btn:hover {
```

```
color: white;
font-size: 15px;
font-weight: 700;}
```

3.2 Footer

It is present in the bottom most part of the website which contains the information about the website and the contact details of the admin.

HTML code snippet

```
<footer id="footer">
  <div class="contact">
    <a style="color:white" href="#">About Us</a>
    <br />
    <p style="font-size:15px;"><br />*For any kind of feedback or request of trailers<br/>
      <br />
    </p>
    <h3>Contact Us</h3>
    <p>GMail- <u>krishvermayss@gmail.com</u></p>
  </div>
</footer>
```

CSS code snippet

```
#footer {
  background-color: black;
  position: relative;
  height: 150px;
  /*margin-top: -50px;*/
  clear: both;
  color: white;
  align-items: center;}
```

3.2.1 About Us

This section is present in the footer. On clicking , it opens up a pages which tells about the website.

HTML code snippet

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <meta http-equiv="X-UA-Compatible" content="ie=edge" />
    <title>Static Template</title>
  </head>
  <body style="color: white; background-color: #0c111b;">
    <h1 style="font-size: 50px;"><u>About Us</u></h1>
    <br />
    <p style="font-size: 30px;"> *Content* </p>
    <h2>Thanks for visiting!!!</h2>
    <h3>Happy Watching👁</h3>
  </body>
</html>
```

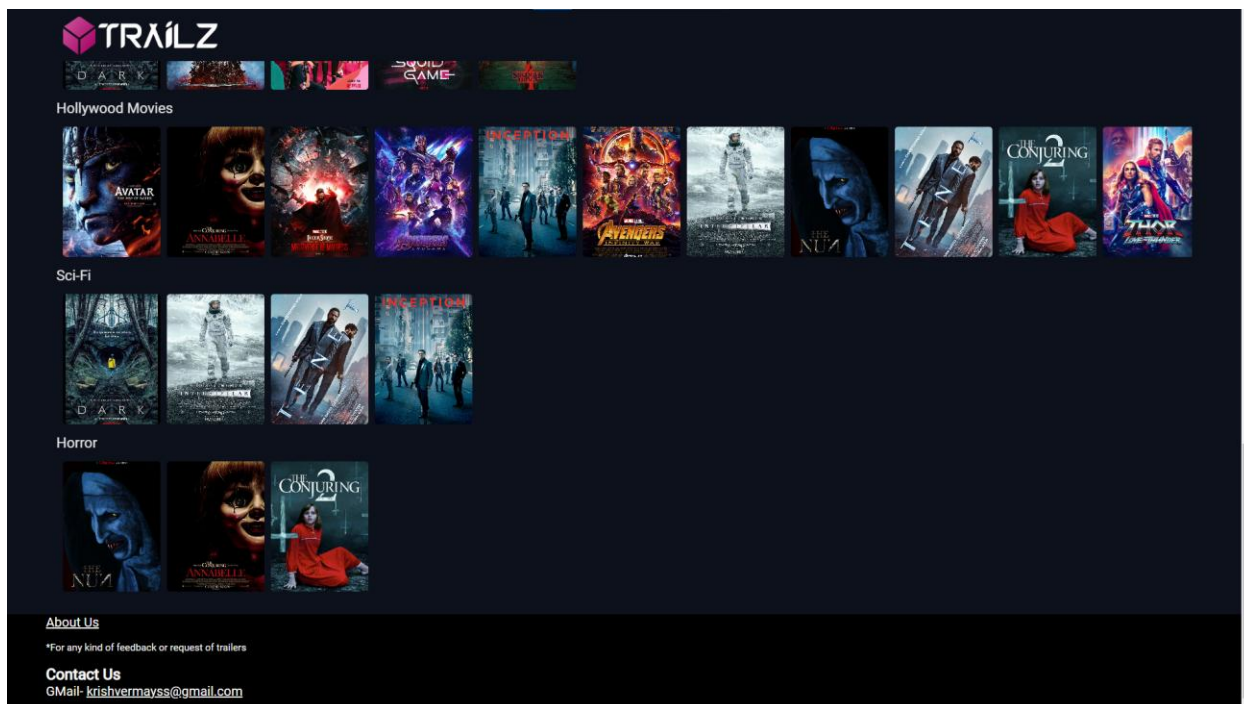
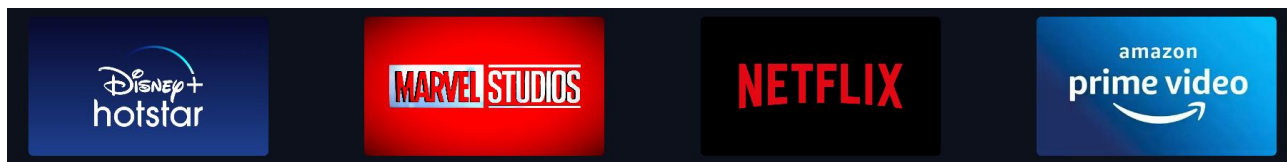
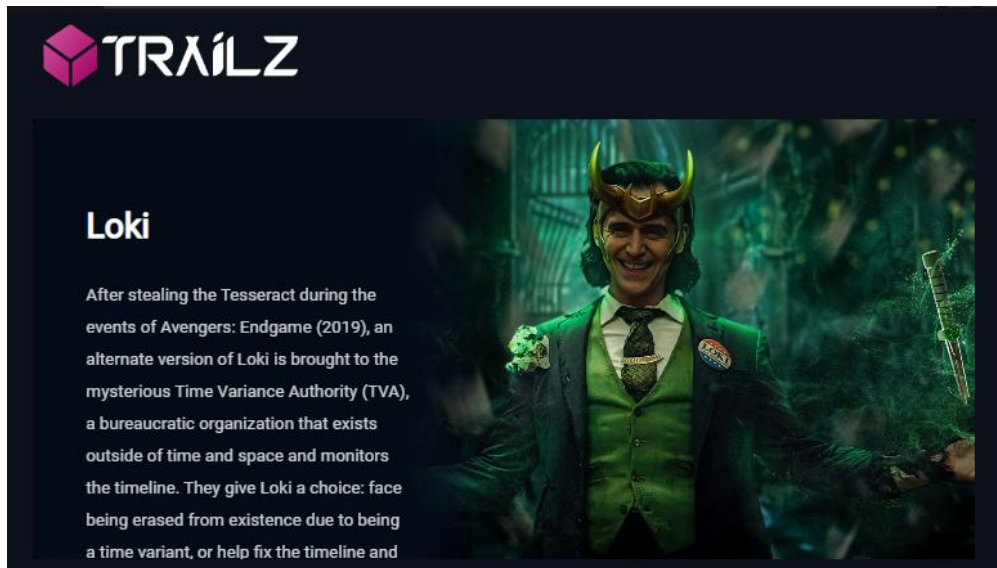
Chapter 4

Why To Use TRAILZ

- No need to wander on multiple websites for different trailers.
- No clickbaits, only genuine trailers.
- All trailers are in High Quality.
- All trailers at same place.
- Very stunning looking page.
- Category option to filter out particular genre .
- Very simple interface.
- Easy to use.
- Everything at fee of cost.

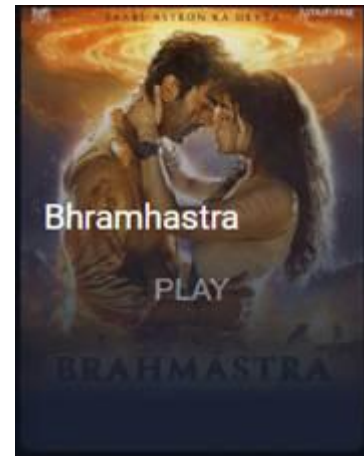
Chapter 5

Results

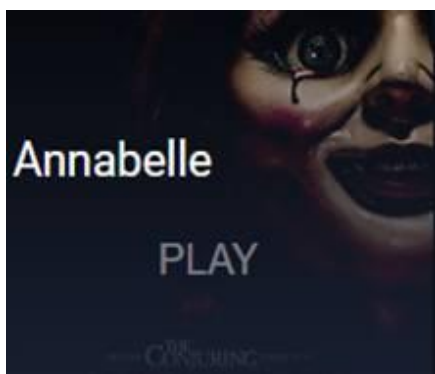
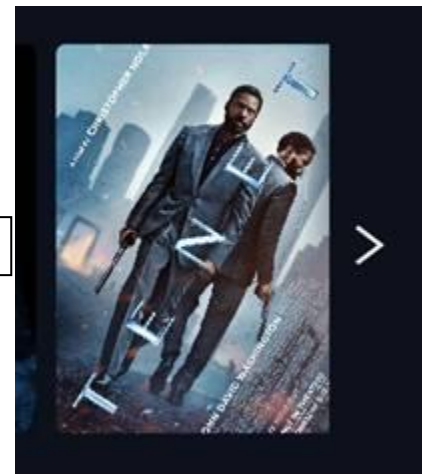




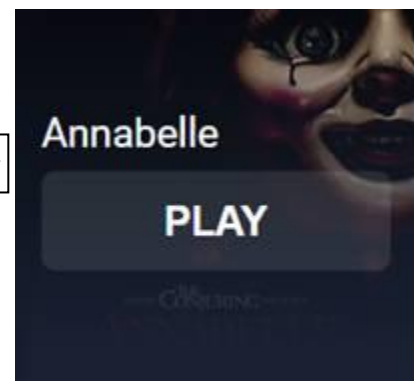
After hovering over it ➡



After hovering over it ➡



After hovering over it ➡



About Us

*For any kind of feedback or request of trailers

Contact Us

GMail- krishvermayss@gmail.com

References

- <https://www.youtube.com/c/DevTownIndia>
- <https://stackoverflow.com/>
- <https://github.com/sriragavip>
- <https://www.tutorialspoint.com/>
- <https://www.geeksforgeeks.org/>
- <https://in.pinterest.com/>



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One stop for trailers of all the
Movies/Series in 4K quality



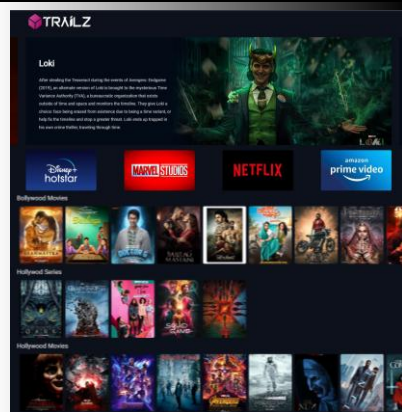
Contents

- Introduction
- Languages and Web Hosting
- Appearance and components
- Homepage
- Animated banners
- OTT/Studio Intro player
- Movies/Series cards
- Footer
- About Us
- Why to use TRAILZ



INTRODUCTION

- Trailz is an online website for 4K trailers for all movies and series.
- It includes both Bollywood and Hollywood movies and series.
- Stunning webpage
- All genres
- Totally free website



LANGUAGES



HTML

It defines the meaning and structure of web content.



CSS

It is used to format the layout of web pages.



JavaScript

It is used to create interactive effects within web browsers.

Web Hosting

Web hosting will be done through "Github"

APPEARANCE AND COMPONENTS



Homepage

- User registration
- Search box
- Animated banners of trending shows
- Movie/series cards
- Footer

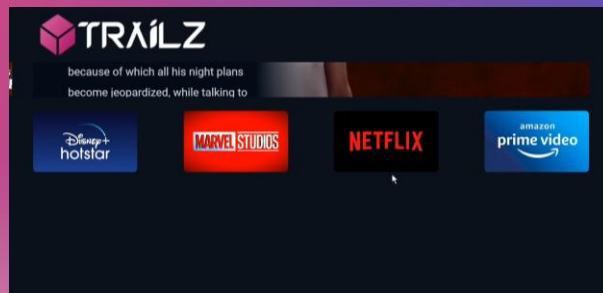
Animated Banner

Automated slides of recommended movies and series with their banner and a small description about it.



OTT Intro Player

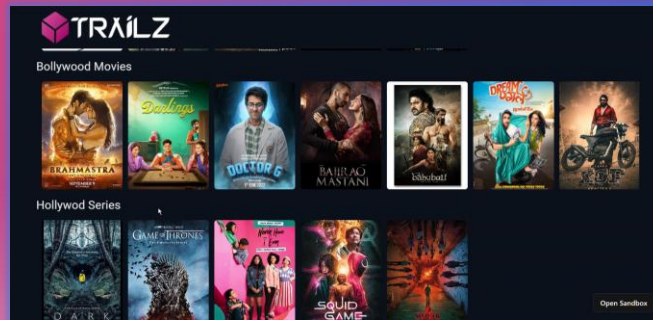
These are the small cards that shows the names of famous OTT platforms like Netflix, Amazon Prime etc. When cursor is hovered over the card, it starts to play the intro video of respective platform or studio.



Movie/Series Cards

- Card with movie or web series poster as thumbnail
- Cards gets little lifted up when cursor will be hovered over it.
- The popped up card shows the movie name and the Play Button.
- On hovering over Play button, it further pops up and the button becomes clickable.
- Play button opens the High Quality trailer.





Footer

- Present in the bottom of the page.
- It will includes About Us section and contact details for feedback.

About Us

*For any kind of feedback or request of trailers

Contact Us

GMail- krishvermayss@gmail.com

Why To Use TRAILZ ?

- No need to wander on multiple websites for different trailers.
- All trailers are in High Quality.
- Very stunning looking page.
- All trailers at same place.
- Category option to filter out particular genre .
- Very simple interface.
- Easy to use.
- Free of cost.



THANK YOU

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