Final Project

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APEX Media Company Website – Demo

The website can be found at this address:
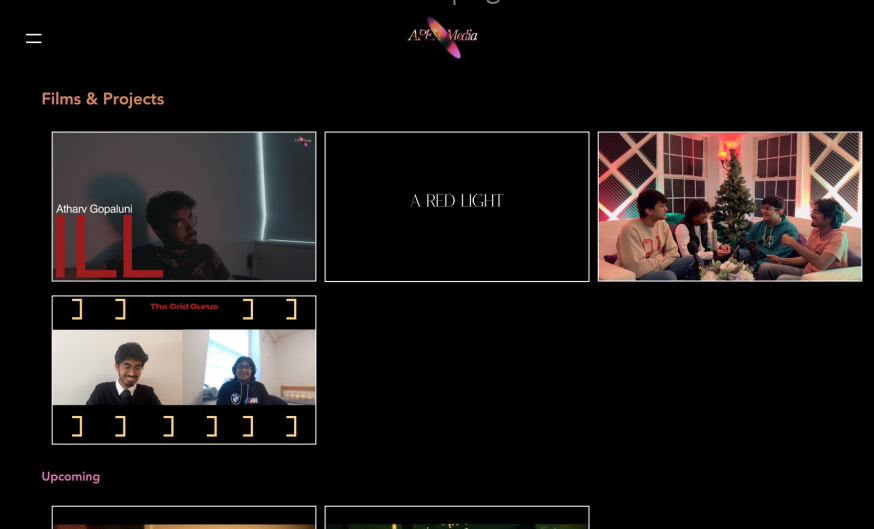
https://apexmediacompanywebsite.s3.us-east-2.amazonaws.com/home.html
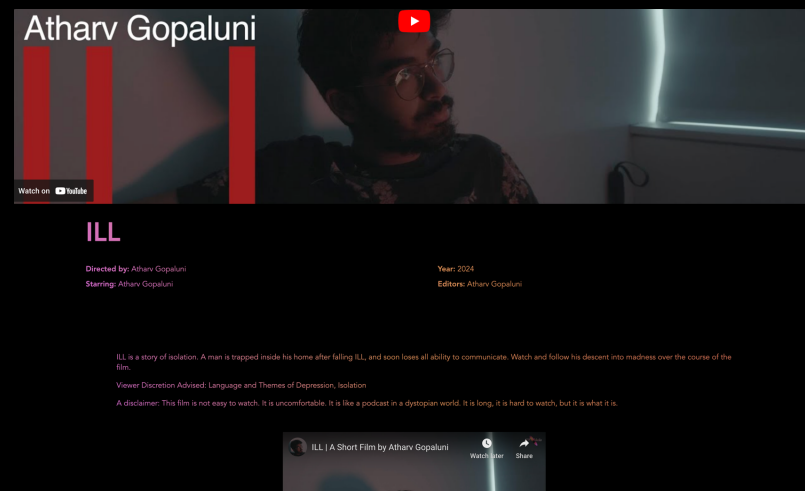
Homepage

Film Highlight Page

Films Page

Original mockups

Code snippets

```html
<div class="titles-container" onmouseleave="fadeoutBackground()">
    <a href="ILL.html" class = homepage-title>
        <h1 class="title" data-video="https://apexmediacompanywebsite.s3.us-east-2.amazonaws.com/ILLPreviewWebsite.mov">ILL</h1>
    </a> <!-- end of ILL -->
    <a href="ARedLight.html" class = homepage-title>
        <h1 class="title" data-video="https://apexmediacompanywebsite.s3.us-east-2.amazonaws.com/RedLightPreviewWebsite.mov">A RED LIGHT</h1>
    </a> <!-- end of ARL -->
    <a href="SND.html" class = homepage-title>
        <h1 class="title" data-video="https://apexmediacompanywebsite.s3.us-east-2.amazonaws.com/SNDPreviewWebsite.mov">SATURDAY NIGHT DISCORD</h1>
    </a> <!-- end of SND -->
    <a href="tgg.html" class = homepage-title>
        <h1 class="title" data-video="https://apexmediacompanywebsite.s3.us-east-2.amazonaws.com/TGGPreviewWebsite.mov">THE GRID GURUS</h1>
    </a> <!-- end of TGG -->
</div> <!-- end of titles-container -->
```
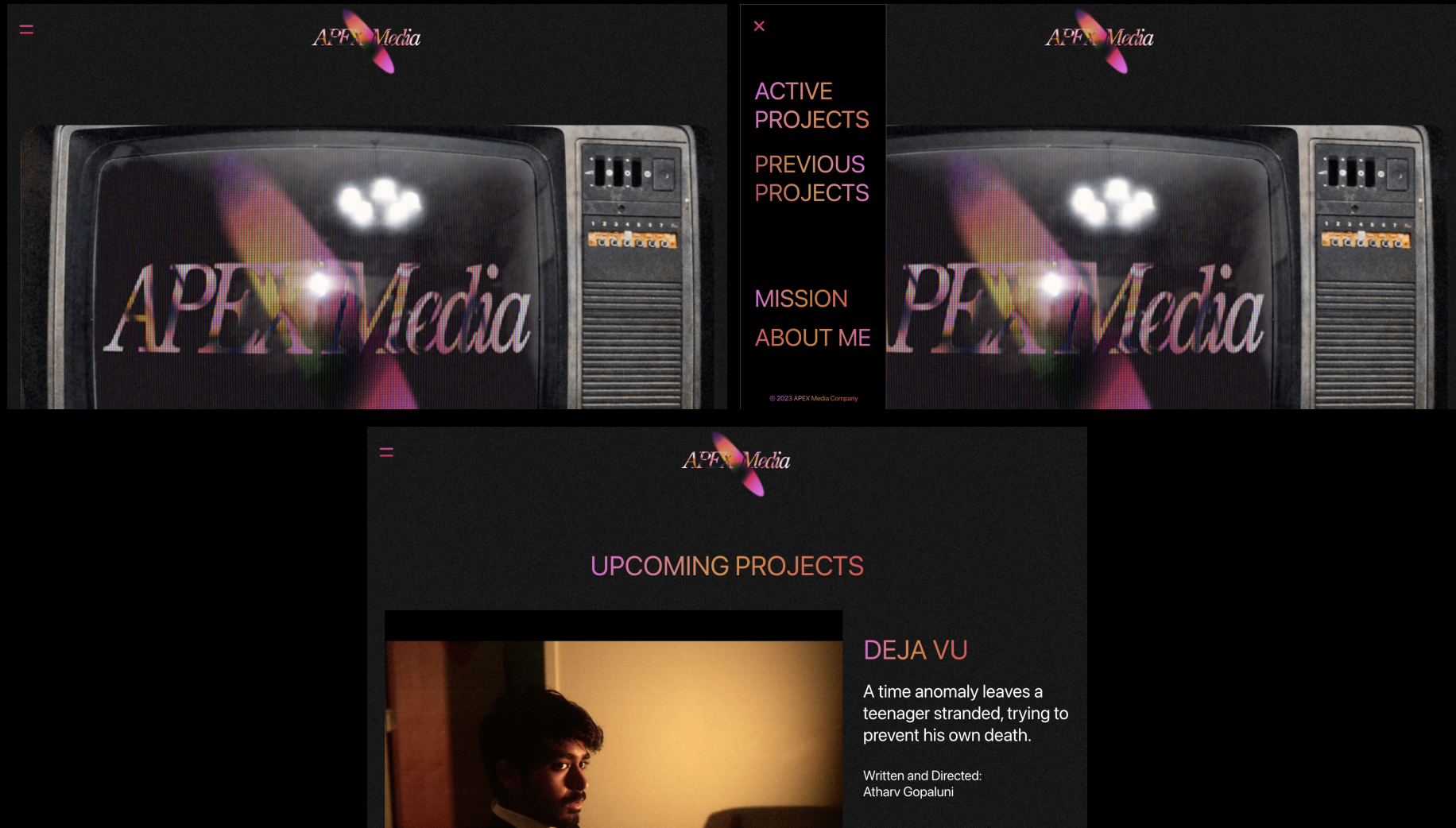
HTML Title Container on home page

```css
#background1 {
    opacity: 1; /* starta with the first background fully visible */
} /* end of background 1 */

.homepage-title {
    text-decoration: none;
} /* end of homepage-title (controls film titles on the homepage) */

.titles-container {
    position: fixed;
    bottom: 2%;
    left: 3%;
    z-index: 10;
    color: ■white;
    width: 90%;
} /* end of title container */

.title {
    font-size: 3.5em;
    font-weight: bold;
    margin: 0 0;
    text-transform: uppercase;
    display: block;
    text-decoration: none;
    color: ■white;
    cursor: pointer;
    transition: color 0.3s ease;
} /* end of title */

.title:hover {
    color: ■#a1a19f;
} /* end of title hover */

.title.active {
    color: ■#a1a19f;
    font-weight: bold;
} /* end of title active */
```

Corresponding CSS

```javascript
let titles = document.querySelectorAll('.title');
let background = document.querySelector('#background');
let currentIndex = -1; //initialize below valid index to start cycle from first element.

document.addEventListener('DOMContentLoaded', () => {
    //fetch all elements with class title and the background element
    const titles = document.querySelectorAll('.title');
    const background = document.getElementById('background');
    let currentIndex = -1; //reset currentIndex for the image cycling

    function changeBackground(index) {
        const imagePath = titles[index].getAttribute('data-image');
        gsap.to(background, {
            duration: 1,
            opacity: 0.5, // Reduce opacity to half during transition
            ease: 'power1.inOut', // Use an easing function for a smooth transition
            onComplete: () => { // After fading out, change the image and fade back in
                background.style.backgroundImage = `url(${imagePath})`;
                gsap.to(background, {
                    duration: 1,
                    opacity: 1, // Restore full opacity
                    ease: 'power1.inOut'
                });
            }
        });
    } //end of changeBackground

    titles.forEach((title, index) => {
        title.addEventListener('mouseenter', () => {
            const imagePath = title.getAttribute('data-image');
        }); //switches to new image based on hover
    }); //end of mouseenter event listener for image change


    document.querySelector('.titles-container').addEventListener('mouseleave', () => {
        gsap.to(background, { duration: 1, opacity: 0, ease: 'power1.out' });
    }); //end of mouseleave event listener to shift away
}); //end of DOMContentLoaded Event Listener
```

```javascript
document.addEventListener('DOMContentLoaded', () => {
    const titles = document.querySelectorAll('.title');
    let activeBackground = document.getElementById('background1');
    let inactiveBackground = document.getElementById('background2');

    // Function to initialize and play a video
    function initVideo(videoElement, videoPath) {
        videoElement.src = videoPath;
        videoElement.play();
        videoElement.style.opacity = 1;
    } //end of initVideo, which makes video opaque for viewing

    function changeBackground(videoPath) {
        [activeBackground, inactiveBackground] = [inactiveBackground, activeBackground]; //swap the currently active and inactive video elements

        activeBackground.src = videoPath;
        activeBackground.play();
        gsap.to(activeBackground, { duration: 1, opacity: 1 }); //start playing new video and THEN fade in, so fade doesn't mess up playback

        gsap.to(inactiveBackground, { duration: 1, opacity: 0 }); //fade out old video

    } //end of changeBackground, which changes background (wow!)

    initVideo(activeBackground, titles[0].getAttribute('data-video')); //initializes first video on page load

    titles.forEach(title => {
        title.addEventListener('mouseenter', () => {
            const videoPath = title.getAttribute('data-video');
            changeBackground(videoPath);
        });
    }); //end of events for changes based on hover
});
```

JavaScript for title page effect

Media Queries

```css
@media (min-width: 768px) {
    .film-gallery {
        grid-template-columns: repeat(auto-fill, minmax(300px, 1fr));
    } /* film gallery for smaller screens */

    .middle {
        padding-left: 5%;
    } /* middle for smaller screens */

}


@media (min-width: 1024px) {
    .film-gallery {
        grid-template-columns: repeat(auto-fill, minmax(400px, 1fr));
    } /* film gallery for bigger screens */
}


@media (min-width: 1440px) {
    .film-gallery {
        grid-template-columns: repeat(auto-fill, minmax(500px, 1fr));
    }  /* film gallery for very big screens */
}
/* end of media queries */
```