Documentation

For the Digital Delights Collection Website

EEI3346 - Web Application Development - Mini Project

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INTRODUCTION

Digital Delights is a website created by Me Ayeshan Weerasuriya, a 22-year-old undergraduate at the Open University of Sri Lanka. I've always been a huge fan of movies, games, and TV series, and over time, I started to collect my favorite titles. It all started when I saw my first movie and was completely captivated by the story, characters, and overall experience. From that moment on, I became obsessed with discovering new titles and adding them to my collection. Over time, I started to expand my collection to include video games and TV series, which opened up a whole new world of entertainment for me.

As my collection grew, I realized that I wanted to share it with others who had similar interests. That's when I decided to create a website about my collection. I spent countless hours researching and designing my site to ensure that it showcased my collection in the best possible way. I added detailed descriptions, images, and reviews of each title, and even included some of my insights and opinions. Today, my website is a source of pride for me, and I love being able to share my passion for movies, games, and TV series with others.

PROBLEMS

Design and Layout:

Creating an aesthetically pleasing and user-friendly design and layout for the website has been a challenging task. I have struggled to find the right color schemes, fonts, and layouts that fit the website's content and purpose.

Navigation:

Creating a navigation system that is intuitive and easy to use for users has been difficult. I have faced challenges in organizing the content and figuring out the best way to categorize and present the movies, games, and TV series.

Content Creation:

Creating engaging and informative content for each page has been time-consuming and challenging. I have had trouble coming up with short descriptions and reviews for each movie, game, and TV series.

Images and Media:

Finding the right images and media to use on the website has been a challenge. I have faced difficulty sourcing high-quality images and videos that fit the website's theme and purpose.

User Feedback:

Encouraging users to provide feedback on the website has been a challenge. I have had to create a compelling feedback form and promote it on the website to encourage users to share their thoughts and suggestions.

SOLUTION APPROACH

Design and Layout:

I have struggled to create an aesthetically pleasing and user-friendly design and layout for my website. To address this, I plan to research web design trends and best practices. I'll also consider the website's purpose and target audience to choose appropriate color schemes, fonts, and layout.

Navigation:

I have faced challenges in creating an intuitive navigation system that's easy to use for my website's users. To overcome this challenge, I plan to create a clear hierarchy and structure for the website's pages. I use concise labels for each page to make it easy for users to find what they're looking for.

Content Creation:

Creating engaging and informative content for each page of my website has been time-consuming and challenging. To address this, I plan to research the movies, games, and TV series I'm featuring on my website. I'll create short descriptions and reviews that are informative, engaging, and easy to read.

Images and Media:

Finding high-quality images and videos that fit my website's theme and purpose has been a challenge. To overcome this, I plan to use free photo websites to find high-quality images. I'll ensure that the images and videos are optimized to improve the website's loading speed.

User Feedback:

Encouraging users to provide feedback on my website has been challenging. To overcome this, I plan to create a feedback form that's easy to use and accessible. I'll respond to all feedback, both positive and negative, and use it to improve the website's design and content.

THE ARCHITECTURE OF THE WEBSITE

Home page:

The home page is the landing page for the website. It has a logo that serves as a button to access the page. The page includes a small introduction to the website and three buttons to navigate to the movie, game, and TV series pages. Finally, there is a footer area.

About page:

The about page contains a description of how the website owner started collecting movies, games, and TV series. It also includes a small description of the owner and a photo, along with a button to navigate to the feedback page. Finally, there is a footer area.

Movies page:

The movie's page includes a main background picture and four favorite movie cards. Each card includes a small description of the movie, a review by the website owner, an IMDb rating, the owner's rating, and production and distribution company information. Finally, there is a footer area.
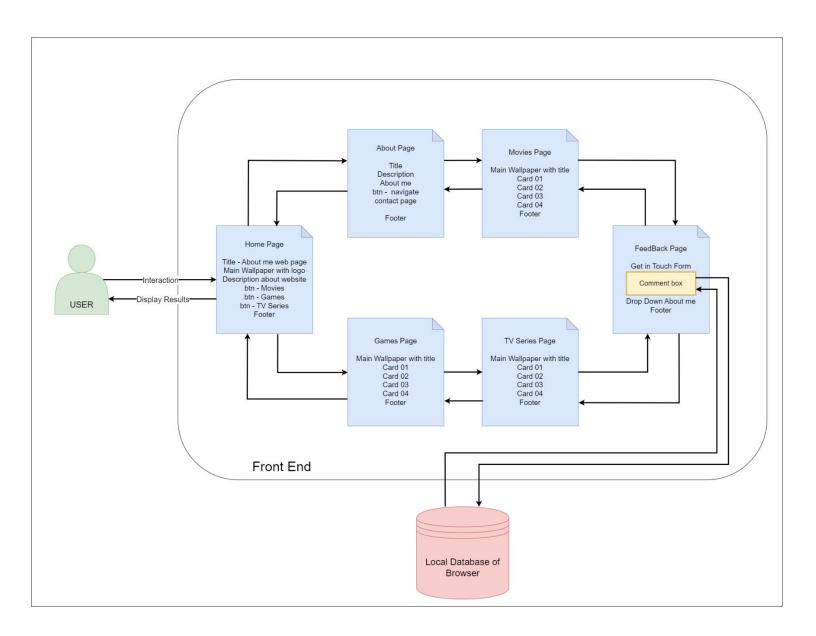
Games page:

The games page includes a main background picture and four favorite game cards. Each card includes a small description of the game, a review by the website owner, an IMDb rating, the owner's rating, and production and distribution company information. Finally, there is a footer area.
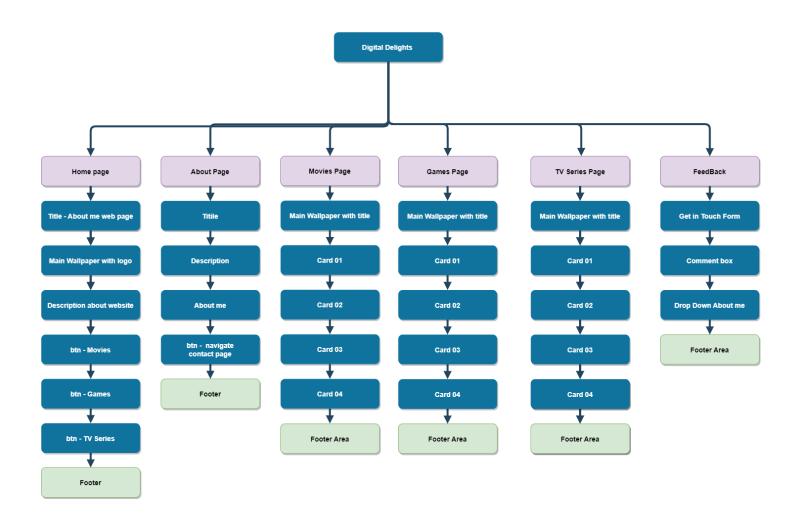
TV series page:

The TV series page includes a main background picture and four favorite TV series cards. Each card includes a small description of the series, a review by the website owner, an IMDb rating, the owner's rating, and production and distribution company information. Finally, there is a footer area.

Feedback page:

The feedback page includes a contact form, a comment form to get user feedback, and a collapsed section about me. Finally, there is a footer area.

SITE MAP

Digital Delights

Home page	About Page	Movies Page	Games Page	TV Series Page	FeedBack
Title - About me web page	Titile	Main Wallpaper with title	Main Wallpaper with title	Main Wallpaper with title	Get in Touch Form
Main Wallpaper with logo	Description	Card 01	Card 01	Card 01	Comment box
Description about website	About me	Card 02	Card 02	Card 02	Drop Down About me
btn - Movies	btn - navigate contact page	Card 03	Card 03	Card 03	Footer Area
btn - Games	Footer	Card 04	Card 04	Card 04	
btn - TV Series		Footer Area	Footer Area	Footer Area	
Footer					

USED WEB TECHNOLOGIES

In order to create this website, I utilized several key web technologies, including HTML, CSS, and JavaScript.

- HTML provided the foundation for the site's structure, allowing me to define the various elements and content that make up each page.

```html
<div class="main">
  <img class="my_pic" src="/Images/About/Me.jpg" alt="Ayeshan" />
  <div class="about-text">
    <h1>About Me</h1>
    <h5>Developer & Designer</h5>
    <p>Hello world! I'm Ayeshan</p>
    <div class="bta">
      <a href="/feed_back/feed_back.html"
        ><button type="button">Let's Talk</button></a>
    </div>
  </div>
</div>
```

- CSS was then used to style the site, giving it a visually appealing and consistent look across all pages.

```css
.about {
max-width: 70rem;
margin: 60px auto;
padding: 0px 20px 20px;
font-family: "Montserrat", sans-serif;
box-sizing: border-box;
}

.about img {
width: 100%;
border-radius: 0.5rem;
}

.about-text {
width: 100%;
text-align: center;
}
```

- JavaScript was employed to add interactivity and dynamic functionality to the site, such as collapsible about me in feedback page and responsive navigation menu.

```javascript
document.addEventListener("DOMContentLoaded", () => {
    const togglebtn = document.querySelector(".toggle_btn");
    const togglebtnicon = document.querySelector(".toggle_btn i");
    const dropboxmenu = document.querySelector(".dropdown_menu");

    togglebtn.onclick = function () {
      dropboxmenu.classList.toggle("open");
      const isOpen = dropboxmenu.classList.contains("open");

      togglebtnicon.classList = isOpen
        ? "fa-solid fa-xmark"
        : "fa-solid fa-bars";
    };
});
```

- Additionally, I incorporated Vuejs, a popular JavaScript framework, to facilitate the comment section to get user feedback about my page.

```javascript
var app = new Vue({
  el: '#app',
  data: {
    comments: []
  },
  created: function() {
    // Load comments from local storage on page load
    var storedComments = localStorage.getItem('comments');
    if (storedComments) {
      this.comments = JSON.parse(storedComments);
    }
  },
```

Overall, these technologies allowed me to create a modern website that meets the needs of its intended audience.
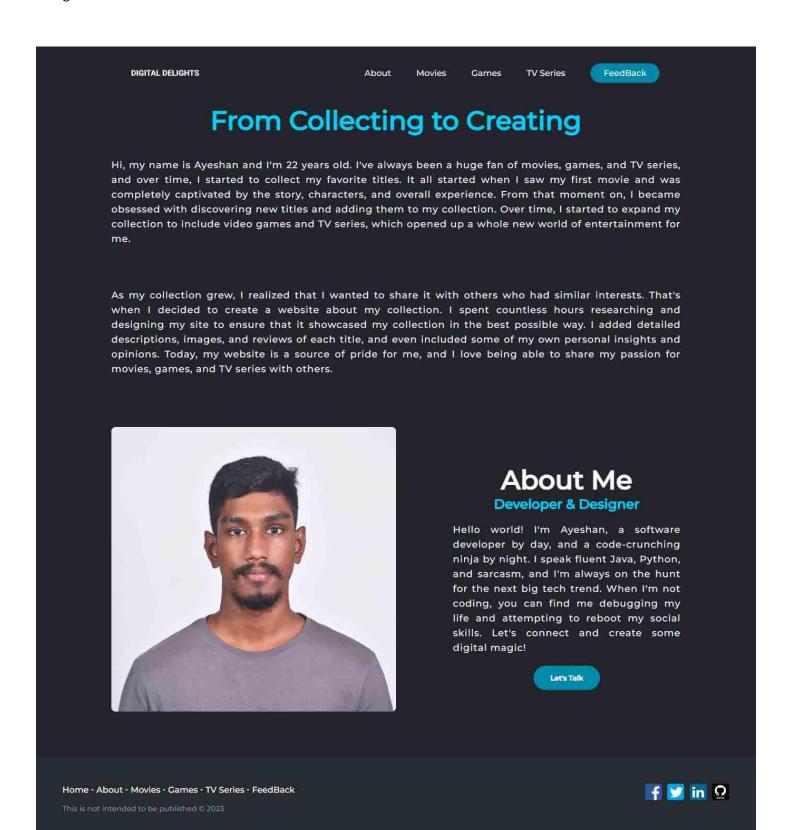
TEST RESULTS

Home Page - The first page, also known as the home page, can be easily accessed by clicking the logo or using the footer navigation, and features a brief introduction about the website, as well as three buttons to navigate to the movies, games, and TV series pages.
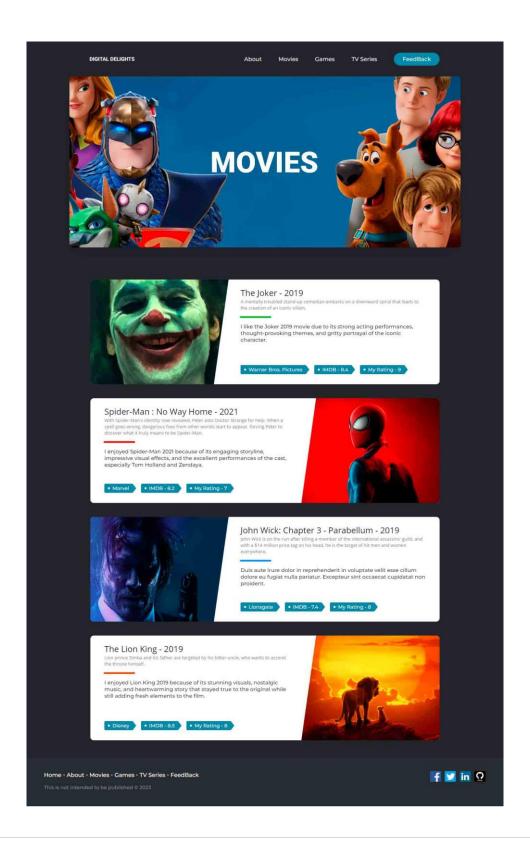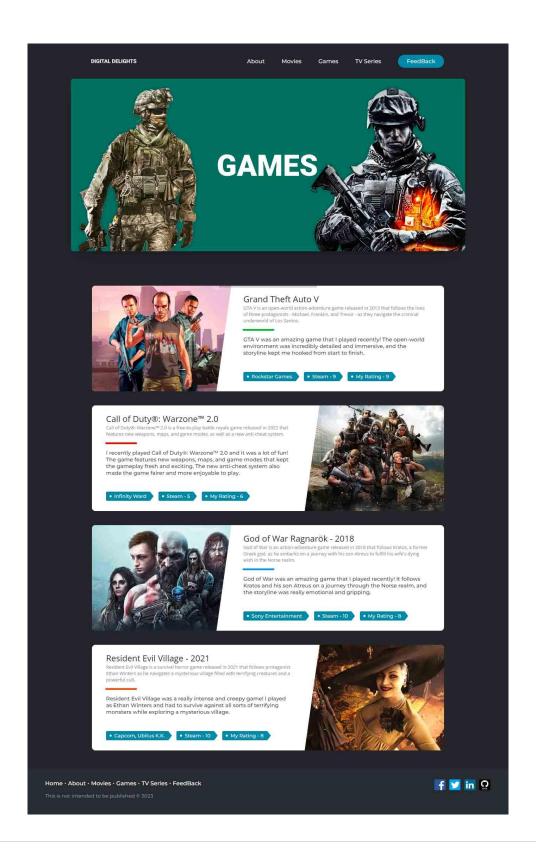
About Page - On the second page, you can find a small description about how I started collecting, along with a photo and button to navigate to the feedback page, which can be accessed through the about page in the navigation bar or footer area.
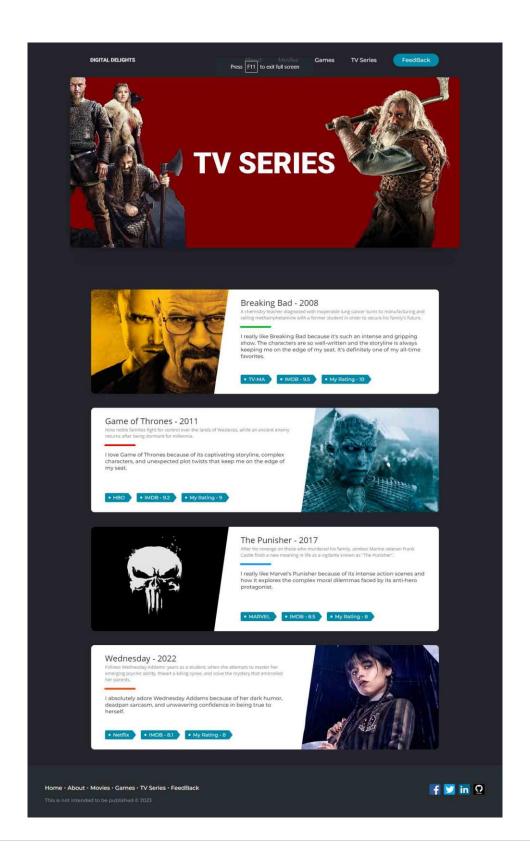
Movies Page - On the third page, you will find the movies pages, which can be accessed through the navigation bar or the footer navigation, featuring a main background picture and four favorite movie cards, each with a small description, review by me, IMDB rating, and my rating, along with details about the production and distribution company.
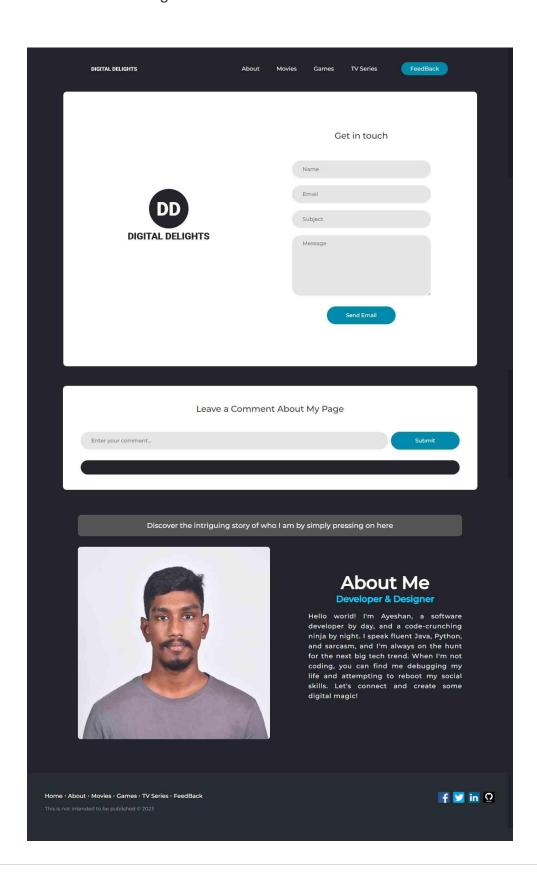
Games Page - On the fourth page of the website, you can find the games pages, where you can access the four favorite games cards with a main background picture, a short description about the game, a small review by me, the IMDb rating, my personal rating, and information about the production and distribution company, all conveniently located in the footer area.

TV Series Page - On the fifth page of the website, you can find the TV series pages which feature a main background picture, four favorite TV series cards with descriptions and reviews, IMDb ratings, personal ratings, and information about the production and distribution companies. you can easily access this page through the navigation bar or the footer area.

Feedback Page - On the seventh page of my website, users can provide feedback through a contact form or a comment form, and find information about me that can be collapsed, all accessible through the feedback option in the navigation bar or the footer navigation.

CONCLUTION

Digital Delights website, created by Me, is a noteworthy example of how passion and commitment can result in an engaging and informative website experience for visitors. Despite facing several challenges in various aspects, including design, navigation, content creation, image sourcing, and user feedback, I have effectively addressed them using thoughtful solutions.

I have conducted extensive research and analysis of the website's purpose and audience to create a user-friendly architecture. The website's structure includes essential pages such as the home page, about page, movies page, the games page, TV series page, and feedback page, providing visitors with a comprehensive and easy-to-navigate experience.

Moreover, I have utilized key web technologies like HTML, CSS, and JavaScript to develop and structure the website, ensuring a seamless and responsive user experience. The website's design reflects my love for movies, games, and TV series, which is evident in the visually appealing and engaging interface.

Overall, Digital Delights is a well-designed and informative website that showcases My passion and dedication.

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