

1802975 WEB

by Sam Jackson

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Introduction to Web and Database Concepts

HTML & CSS Web Development

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1.Introduction:

The gaming industry has experienced significant growth in recent years, 2020 saw the global games market increase 23% year-over-year [1] and has become a major source of entertainment for people of all ages. With the rise of mobile gaming, online gaming, and the use of virtual reality, the industry has evolved to meet the changing needs and preferences of consumers. Considering this, I have designed and developed a responsive website that covers various aspects of the gaming industry. The website consists of five relevant and related pages that have been developed using web standards and CSS.

This report presents the design and development of a responsive website that covers various aspects of the gaming industry. The website consists of five relevant and related pages that have been developed using web standards and CSS. The report includes an introduction to the website, describing its purpose, target audience, and subject matter. It also includes a requirements section that discusses the website's purpose and target audience. Finally, the report discusses the use of a plain colour scheme in the website design and why it is a fitting choice.

2. Requirements:

The purpose of the website is to provide a comprehensive overview of the gaming industry, including its history, current state, and future prospects. The target audience for the website is individuals who are interested in the gaming industry, including gamers, developers, and industry professionals. The subject matter of the website includes the history of gaming, the current state of the industry, and the future of gaming.

The website has been designed with a focus on providing a user-friendly and intuitive experience for visitors. It has been developed using web standards and CSS, ensuring that it is compatible with a wide range of devices and browsers. The website is responsive, meaning that it adjusts its layout and design to suit the screen size of the device it is being viewed on, ensuring that it would be easy to use on both desktop and mobile devices as recommended by the Health Service [2].

Why Use a Plain Colour Scheme for in the Website:

A plain colour scheme is a good choice for the design of the website because it helps to create a clean and uncluttered visual aesthetic [3]. A plain colour scheme can be achieved by using a limited number of colours and avoiding the use of other decorative elements. This can help to create a consistent and cohesive look and feel, making it easier for visitors to navigate the website and find the information they are looking for.

In addition to its aesthetic benefits, a plain colour scheme can also have practical benefits. For example, it can help to reduce the load time of the website, as the use of fewer colours means that there are fewer elements to be loaded [4]. This can be especially important for mobile users, who may be accessing the website on a slower connection.

3.Accessibility:

3.1 Perceivable:

The website's content is presented in a way that is easy to read and understand, with clear headings and paragraphs. The website is also designed to be responsive meaning when interacted with the site responds accordingly, so the content is easily readable on a variety of devices with different screen sizes. I have stated this by view the website in Fullscreen, reduced window size and from different sized monitors.

3.2 Operable:

The website's navigation and controls are easy to use, with clear and intuitive buttons. This has been tested and each button takes the user to the corresponding page, located in the top right corner of the page.

3.3 Understandable:

The website uses clear wording. The website's layout and design are logical and consistent, making it easy for users to navigate and understand the content.

3.4 Robust:

The website has been used and tested, every page can navigate through the site without any dead ends created, with the option to return to home when required. The website follows basic HTML and CSS standards and is currently not reporting any errors in result making the website robust and functional.

3.5 Colour Scheme

To properly asses the accessibility of the website, a contrast checker tool has been used. The design has showed worthy results.

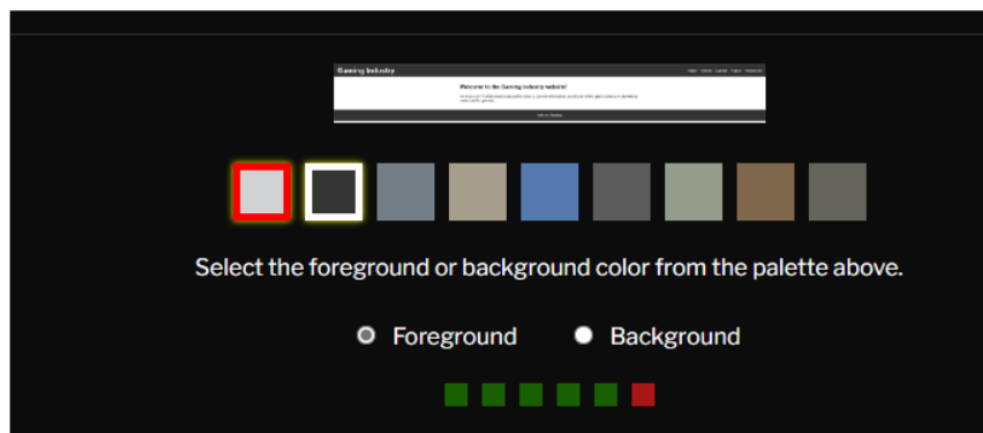


Figure 1 Contrast Score

4.Implementation:

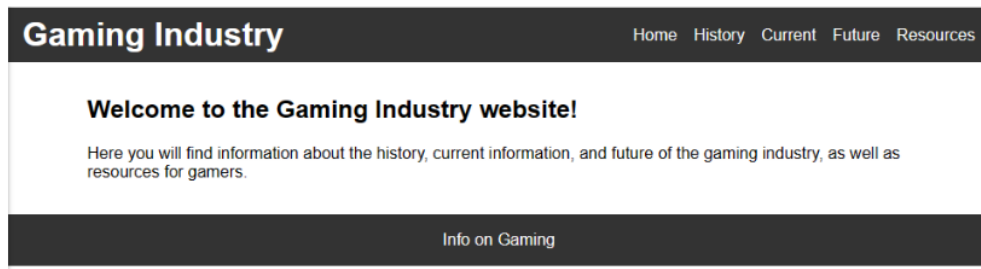


Figure 2 Landing Page

Home page: The above image illustrates the website's opening page. On the top right corner of the page, I have placed the navigation buttons for the site, which matches the modern and minimalist feel of the site. Each button navigates to the page it is titled.

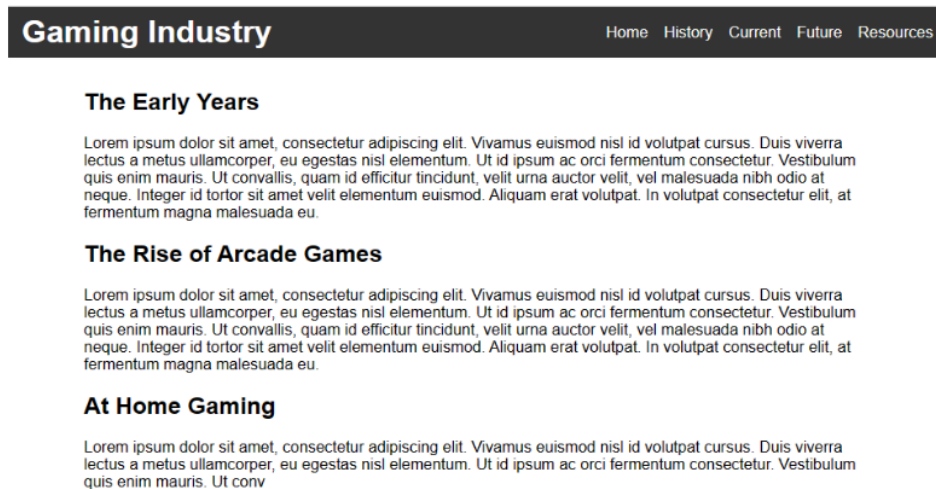


Figure 3 History Page

Current:

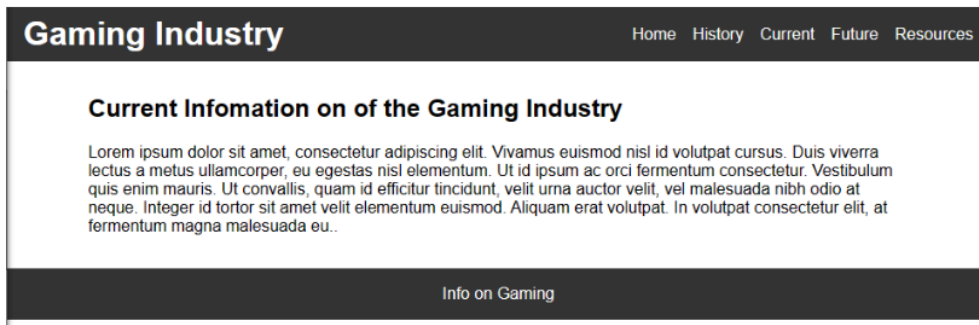


Figure 4 Current Page

Future:

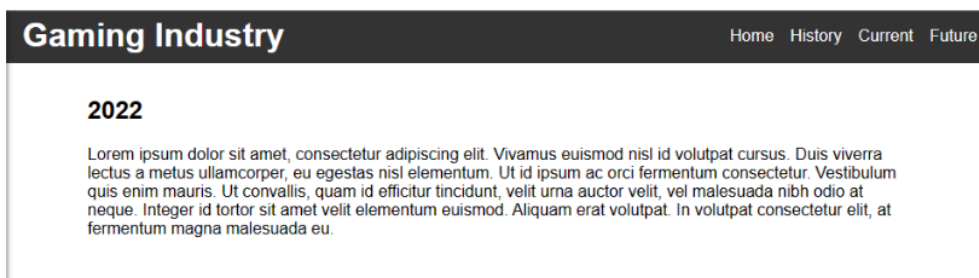


Figure 5 Future Page

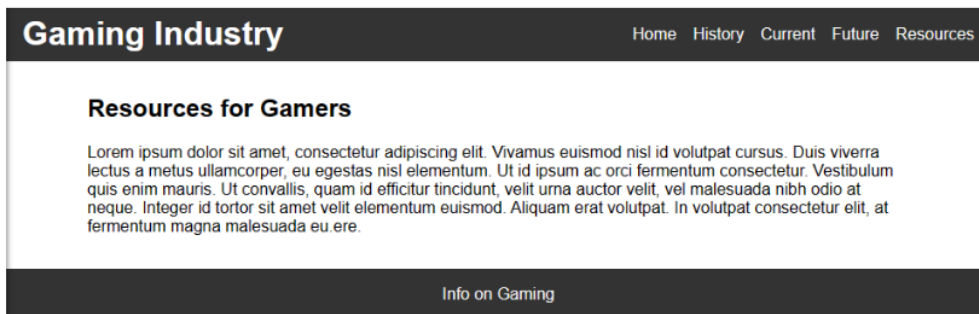


Figure 6 Resources Page

5.Validation

Validation is an important stage when designing a website, validation allows for the creator to identify and repair any errors found in the code. All websites should adhere to the World Wide Web

consortium (W3C). The validation tool used for this website is “Validator.w3.org”. Depicted in figure 6 is the outcome of this validation check:



Figure 7 Validation Check

Adding the Lang Tag to the start of a HTML file declares the language the website is written in. By doing this it can help with the websites accessibility and enhance the Search engine optimization (SEO).

Images were a desired feature for this website however a proper implementation of these errors were accrued, or the image simply did not show.

6.Evaluation

As discussed, the chosen style of this website has been minimal, these will enhance the usability of the webpage as it assists is proven to run more efficient on less powerful machines and will even require less resources to host. However in reflection of this it can also give the website as less authentically pleasing look and feel, if the website was to be further developed then a more stylish colour scheme could be an option along with images matching the aesthetics of the site.

7.Conclusion:

This report aimed to demonstrate a systematic understanding of the fundamental concepts of website design. An important concept to always consider when designing a website is a consistent layout and style throughout, meaning keeping to a colour scheme, location of buttons and menus in the same place allowing for and intuitive navigation.

8.References:

[1] A. Guner "Where the Gaming Industry is Headed", Digital Turbine, Article, December. 19, 2021 [online] Available: [Consumer Research Archives - Digital Turbine](#) [Accessed October 2022]

[2] Office of Disease Prevention and Health Promotion, "Display Content Clearly on the Page" Health Literacy Online, Report, June. 08, 2016 [Online] Available: [Use a readable font that's at least 16 pixels. - Health Literacy Online | health.gov](#) [Accessed October 2022]

[3] Office of Disease Prevention and Health Promotion, "Display Content Clearly on the Page" Health Literacy Online, Report, June. 08, 2016 [Online] Available: [Use white space and avoid clutter. - Health Literacy Online | health.gov](#) [Accessed October 2022]

[4] O. Thereaux, "Making your website valid: a step by step guide", W3C, Report, December. 16, 2011 [Online] Available: [Making your website valid: a step-by-step guide - W3C QA](#) [Accessed November 2022]

Bibliography:

Mosh "HTML Tutorial for Beginners: HTML Crash Course" Youtube, Video January. 11, 2021 [Online] available [\(471\) HTML Tutorial for Beginners: HTML Crash Course - YouTube](#)

Brain "I Built a Website in 10 Minutes using HTML & CSS" Youtube, Video, December. 04, 2022, [Online] Available: [\(471\) I Built a Website in 10 Minutes using HTML & CSS - YouTube](#)

FreecodeCamp.org, "HTML Tutorial - How to Make a Super Simple Website," Youtube, Video, April. 25, 2018, [Online] Available: [\(471\) HTML Tutorial - How to Make a Super Simple Website - YouTube](#)

"Nu HTML Checker" Available: <https://validator.w3.org/>

9.Appendix 1:

Index:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Gaming Industry</title>
  <link rel="stylesheet" href="style.css">

</head>
<body>
  <header>
    <h1>Gaming Industry</h1>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="history.html">History</a></li>
        <li><a href="current.html">Current</a></li>
        <li><a href="future.html">Future</a></li>
        <li><a href="resources.html">Resources</a></li>
      </ul>
    </nav>
  </header>
  <main>
    <h2>Welcome to the Gaming Industry website!</h2>
    <p>Here you will find information about the history, current information, and future of the gaming
industry, as well as resources for gamers... Let the games begin</p>
  </main>
  <footer>
    <p> Info on Gaming</p>
  </footer>
</body>
</html>
```

History:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>History of the Gaming Industry</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <h1>Gaming Industry</h1>
    <nav>
```

```

<ul>
  <li><a href="index.html">Home</a></li>
  <li><a href="history.html">History</a></li>
  <li><a href="current.html">Current</a></li>
  <li><a href="future.html">Future</a></li>
  <li><a href="resources.html">Resources</a></li>
</ul>
</nav>
</header>
<main>

  <h2>The Early Years</h2>
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus euismod nisl id volutpat
  cursus. Duis viverra lectus a metus ullamcorper, eu egestas nisl elementum. Ut id ipsum ac orci
  fermentum consectetur. Vestibulum quis enim mauris. Ut convallis, quam id efficitur tincidunt,
  velit urna auctor velit, vel malesuada nibh odio at neque. Integer id tortor sit amet velit
  elementum euismod. Aliquam erat volutpat. In volutpat consectetur elit, at fermentum magna
  malesuada eu.</p>
  <h2>The Rise of Arcade Games</h2>
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus euismod nisl id volutpat
  cursus. Duis viverra lectus a metus ullamcorper, eu egestas nisl elementum. Ut id ipsum ac orci
  fermentum consectetur. Vestibulum quis enim mauris. Ut convallis, quam id efficitur tincidunt,
  velit urna auctor velit, vel malesuada nibh odio at neque. Integer id tortor sit amet velit
  elementum euismod. Aliquam erat volutpat. In volutpat consectetur elit, at fermentum magna
  malesuada eu.</p>
  <h2>At Home Gaming</h2>
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus euismod nisl id volutpat
  cursus. Duis viverra lectus a metus ullamcorper, eu egestas nisl elementum. Ut id ipsum ac orci
  fermentum consectetur. Vestibulum quis enim mauris. Ut conv

```

Current:

```

<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Current Infomation on the Gaming Industry</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <h1>Gaming Industry</h1>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="history.html">History</a></li>
        <li><a href="current.html">Current </a></li>
        <li><a href="future.html">Future</a></li>
        <li><a href="resources.html">Resources</a></li>

```

```

    </ul>
  </nav>
</header>
<main>
  <h2>Current Infomation on of the Gaming Industry</h2>
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus euismod nisl id volutpat
cursus. Duis viverra lectus a metus ullamcorper, eu egestas nisl elementum. Ut id ipsum ac orci
fermentum consectetur. Vestibulum quis enim mauris. Ut convallis, quam id efficitur tincidunt,
velit urna auctor velit, vel malesuada nibh odio at neque. Integer id tortor sit amet velit
elementum euismod. Aliquam erat volutpat. In volutpat consectetur elit, at fermentum magna
malesuada eu..</p>
</main>
<footer>
  <p>Info on Gaming</p>
</footer>
</body>
</html>

```

Future:

```

<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Future of the Gaming Industry</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <h1>Gaming Industry</h1>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="history.html">History</a></li>
        <li><a href="current.html">Current</a></li>
        <li><a href="future.html">Future</a></li>
      </ul>
    </nav>
  </header>

```

```
<main>
  <h2>2022</h2>
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus euismod nisl id volutpat
cursus. Duis viverra lectus a metus ullamcorper, eu egestas nisl elementum. Ut id ipsum ac orci
fermentum consectetur. Vestibulum quis enim mauris. Ut convallis, quam id efficitur tincidunt,
velit urna auctor velit, vel malesuada nibh odio at neque. Integer id tortor sit amet velit
elementum euismod. Aliquam erat volutpat. In volutpat consectetur elit, at fermentum magna
malesuada eu.</p>
```

Recourses:

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="utf-8">
  <title>Resources for Gamers</title>
  <link rel="stylesheet" href="style.css">
</head>
<body>
  <header>
    <h1>Gaming Industry</h1>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="history.html">History</a></li>
        <li><a href="current.html">Current</a></li>
        <li><a href="future.html">Future</a></li>
        <li><a href="resources.html">Resources</a></li>
      </ul>
    </nav>
  </header>
  <main>
    <h2>Resources for Gamers</h2>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit. Vivamus euismod nisl id volutpat
cursus. Duis viverra lectus a metus ullamcorper, eu egestas nisl elementum. Ut id ipsum ac orci
fermentum consectetur. Vestibulum quis enim mauris. Ut convallis, quam id efficitur tincidunt,
velit urna auctor velit, vel malesuada nibh odio at neque. Integer id tortor sit amet velit
elementum euismod. Aliquam erat volutpat. In volutpat consectetur elit, at fermentum magna
malesuada eu.ere.</p>
  </main>
  <footer>
    <p>Info on Gaming</p>
  </footer>
</body>
</html>
```

Style (CSS)

```
body {
  font-family: sans-serif;
  margin: 0;
  padding: 0;
}

header {
  background-color: #333;
  color: white;
  display: flex;
  justify-content: space-between;
  align-items: center;
  padding: 0.5em 1em;
}

header h1 {
  margin: 0;
}

header nav ul {
  list-style: none;
  margin: 0;
  padding: 0;
  display: flex;
}

header nav ul li {
  margin-left: 1em;
}

header nav ul li a {
  color: white;
  text-decoration: none;
}
```

FINAL GRADE

GENERAL COMMENTS

Instructor

38/100

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ENGAGEMENT WITH LITERATURE

 A few citations have been included, however the number of sources is too limited for an assignment like this where there is copious information readily available. You should be looking at around 10-20 sources at least and these should cover all the sections required in the brief.

40

KNOWLEDGE AND UNDERSTANDING

 A number of areas have either little or zero commentary as was requested in the brief. SEO? Accessibility standards etc?

40

COGNITIVE AND INTELLECTUAL

PRACTICAL APPLICATION

 The website created is still FAR too limited! There is nothing at all outside what was provided as class material.
No forms.
No images.
No formatting/tables etc of information.
No inclusion of a site layout

30

No inclusion of wireframe sketches etc
No code to allow proper responsiveness
And the pages that are there are simple duplicates
of the main page.

TRANSFERABLE SKILLS



Reasonably well presented report.
Brief however, as much of what was required is
missing.

50