

# **BTEC Level 3 National Foundation/Extended Diploma**

## **Computing and Information Technology**

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**Unit 06:** Website Development  
**Unit 15:** Website Development

### **Assignment: 2**

Design and Develop a Website

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**Date:** 9/12/2022

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## **Introduction**

A new start-up business that sells physical and digital downloaded games, Gamer Zone has asked me to design and create a website that promotes their business as well as a place to offer game reviews for more niche games, genres and series. The website needs to have a consistent theme for ease of navigation, contains game and review information with the use of text and graphics, makes sure it works on multiple browsers, contains an interactive feature, is User-Friendly and fits a minimum of 1280 X 720. They also require me to create a new Logo for the company using PNG transparency. In order to create this website I also need to carry out this project using timescale planning with milestones and checkpoints in order to meet the requirements and ensure that I will meet the target and client requirements.

## Problem Definition Document

### Intended Audience

Gamer-zone (A start up business selling physical and digital video games) has commissioned me a website for their business that promotes what they do as well as more specifically, show gaming reviews for games that are not as popular (such as certain game genres and series). The client wants to make a website like this as they want to show the market reviews for more niche games that are not as popular. The client also wants the website to have a consistent theme of navigation, contain game and review content, be supported in multiple browsers, contain an interactive element and fit a minimum of 1280 X 720 to fit older monitors. The client does not have that much of a budget for their website however the purpose of their website is to be a review website where users can post reviews of specific games and post them as well as market their brand more.

The intended audience of the website will be gamers that are interested in posting reviews of specific and niche games. These may be much older gamers, within the age of 18 and over as Gamer zone is a company that repairs consoles and sells games that date back to 1985's Nintendo Entertainment System. As well as that this target audience may be more interested in retro and niche games because they are much older titles compared to what games are like today. In order to attract this audience the website may feature an older aesthetic and feature older games and consoles for this audience. The website should also encourage users to return to the website, which can be done through the use of a user-friendly and consistent navigation system as well as a way for users to post and find reviews of different games from different users.

### SQIRO Method (s) to be used

When it comes to the SQIRO methods that I will be using for my project (Sampling, Questionnaires, Interviews, Research, Observations), I plan on using questionnaires for my project. Questionnaires will enable me to get feedback on my work from other people (such as the client) and help me form my website based on their feedback. Questionnaires will enable me to get responses from open or closed questions and they are easy to send and for people to answer however there are problems with using questionnaires such as the answers given may not be honest. In order to make sure my answers are as honest as possible I will give out questionnaires to more people (5-8 people) in order to get much better results. Research

is also another method that I can use. Research is where you can research a topic using sources that exist, such as websites. This will allow me to easily get information that is available however I need to be wary of sourcing and referencing the information as well as seeing if it is up to date. This is important as I could get into trouble when it comes to copyright laws if I do not reference any information I am using and I need to make sure it is up to date so it is fit for my project.

## **Summary of the Problem**

The client requires the website to have a consistent theme for ease of navigation, contain an interactive feature, make use of images, text and video as well as fit a minimum resolution of 1280 X 720. The client wants the website to be easy to navigate around and contain an interactive feature in order for the user to interact with the website. When it comes to having the website fit a resolution of 1280 X 720, this would allow the website to be displayed on older monitors as well. The client also wants to make sure that the website contains review and game content, is user friendly and accessible and is able to be supported by multiple web browsers. The client would also like the website to feature a name gamerzone logo using PNG transparency and would like 5 digitally enhanced photos of games with a minimum resolution of 1280 X 720 to fit the website resolution.

## **Website Benefits and Constraints**

When it comes to the website benefits and constraints to the business, the website benefits are that gamerzone can grow their business through marketing a website and they are able to promote niche games as well. Having a website will allow gamerzone to gain a wider audience of people as anyone anywhere can visit their website and learn about what they do. With Search engine optimization, gamerzones websites could appear at the top of search results which would boost website traffic and gamerzones customer base. In terms of promoting niche games, gamerzone can feature these niche games to promote the people that care for these games as well as even a newer audience. Those who may not know about these games may go onto gamerzones website and be interested in trying the game out after seeing reviews of it from people who liked the game. This would boost website traffic for gamerzone's website as well as allow more people to be interested in trying out obscure games. In terms of website constraints that are faced when designing and developing the website. The website may not look exactly like how the client envisions it to be and there are time and budget constraints. When it comes to how the client envisions the website, my website may look different to what the client wanted on his website. The website may still have everything that the client wanted to include but elements may be placed differently to

what he wanted or the website may use a different colour scheme to what the client wanted. In terms of budget and time constraints, Gamerzone is a small business that may not have a massive budget to create an amazing website. This may make the website not look as great as other websites that may have had a bigger budget to create. In terms of time constraints, this is the big problem constraint when it comes to this project. There may have to be some corners cut between the website if there is not enough time. This may end of leading the website to not feature some features or it may not look as great as what the client had hoped.

## Nature of Interactivity on the Website

When it comes to the interactivity on the website, I would like to add a way to submit reviews on my website. This will allow users to talk about the game they have played and give it a rating out of 5 stars. I will use a star rating system as well as a way to add comments so that the user can talk about their experience with the game. In addition to this, other users will also have the ability to like or dislike the review, so that users know if the review is legitimate. Another interactive feature I would like to add onto my website is a way to submit forms for console repairs. The user will be able to state what console it is as well as add an image of their console and write about the problem with it. This will allow users to submit repairs for consoles and Gamerzone will be able to view them. After talking with the client they have suggested that the website should also include a feature to change the colour of the website (light and dark mode). This is an accessibility feature that I will include as well so that users can change between the light and dark mode.

What are some accessibility features that you would like to see on the website?

1 response

Possibly the ability to change background colour of the site or have dark/light mode

How many pages would you like to see on the website?

1 response

At least 8 pages please

What are some of the pages you have in mind for the website?

1 response

One page with a grid layout with images of games, A page about the business and what we do. A page with a form to submit niche game reviews or to enquire about console repairs.

What is some of the game information that you would like to see added to the Gamer Zone website? (i.e game news updates, newly released games etc)

1 response

Information about retro and rebooted computer games - perhaps a grid of images of a number of games that link to further information. Form to submit niche game reviews or to enquire about console repairs. Examples of consoles that we repair?

Is there a specific colour-scheme you have in mind for the website?

1 response

Use of colours that reflect the retro nature of our business e.g. black or blue background, some bright colours e.g. like Sonic colours etc.

Gamer Zone seems to sell games and systems that date back to the Nintendo Entertainment System from 1985 as well as more niche games, would it also be okay to promote games and consoles that are releasing today, as well as more classic titles from the past, such as well known games such as Super Mario Sunshine (2002) or consoles such as the Playstation 5 and Xbox Series X?

1 response

 Copy

- Yes
- No

100%

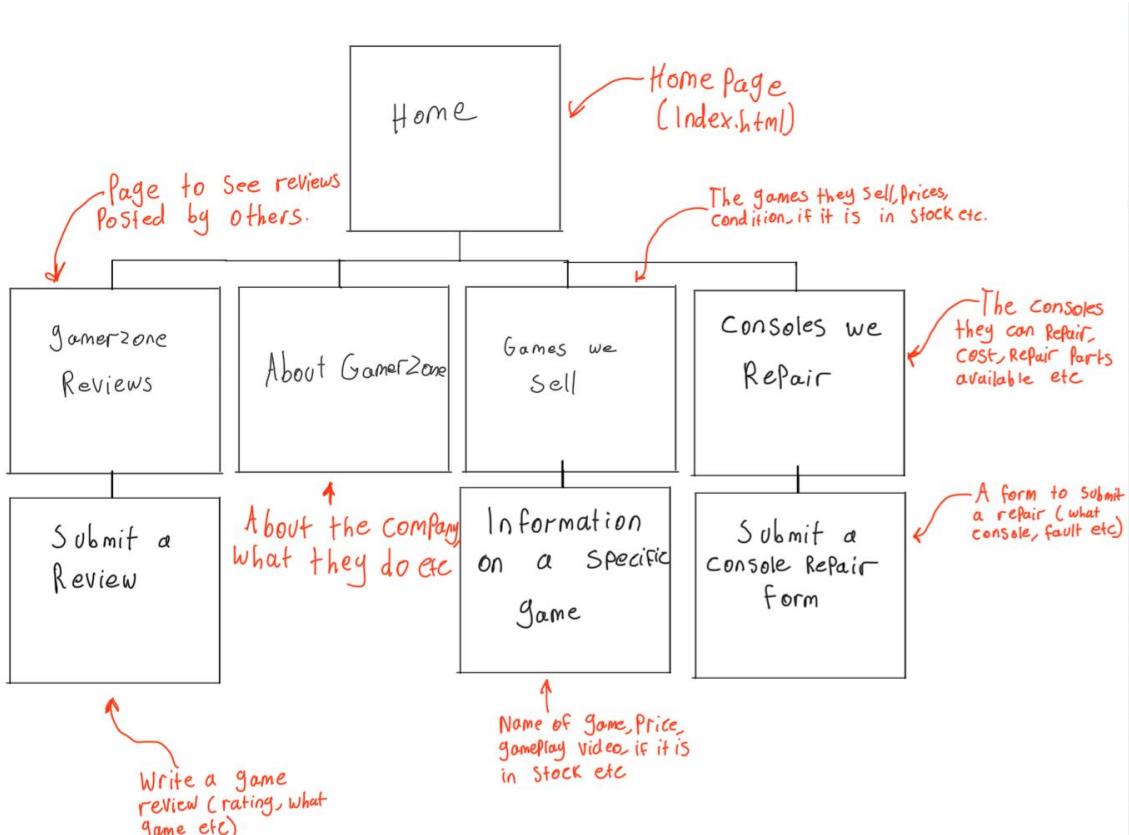


## Purpose and Website Requirements

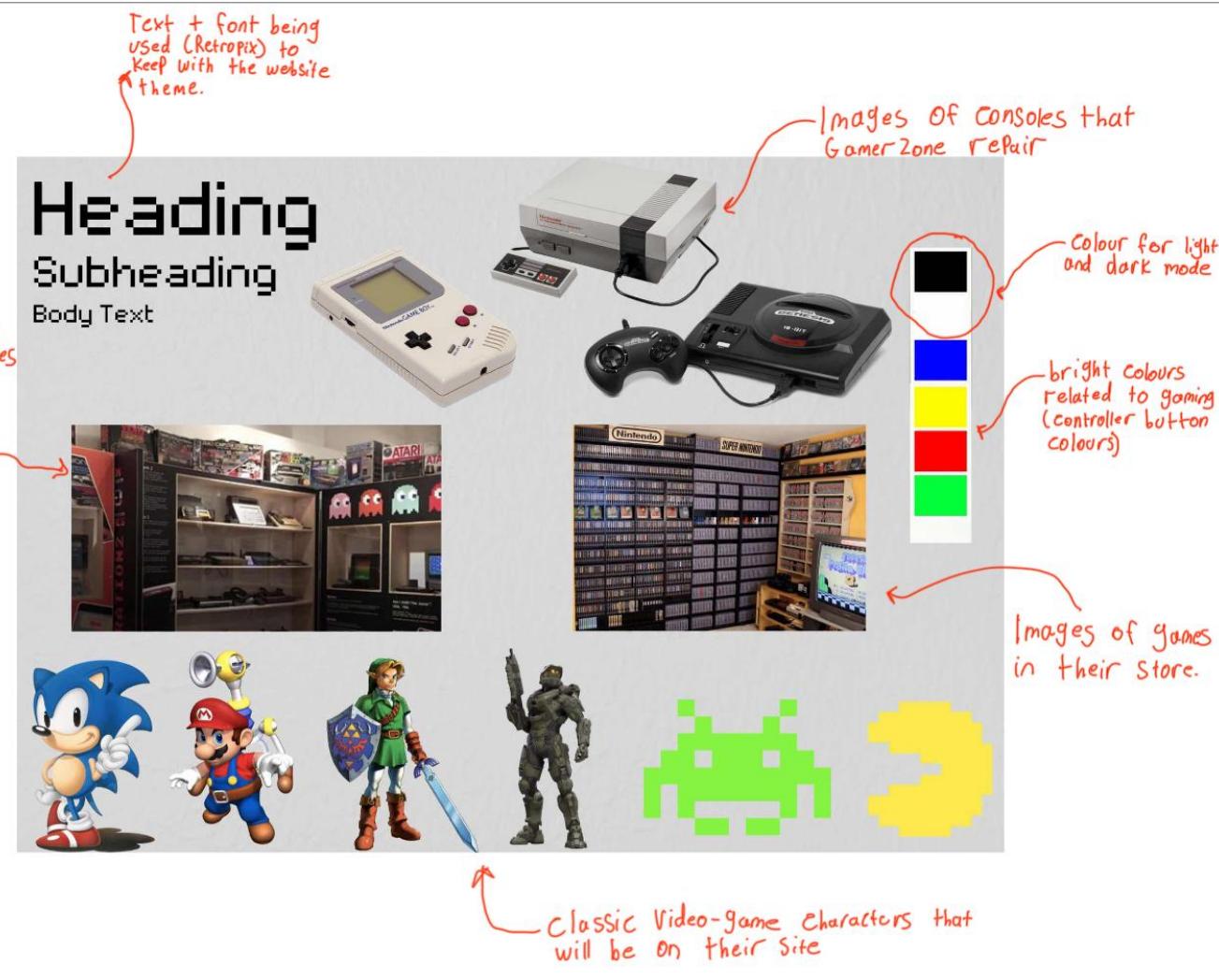
The purpose of the GamerZone website is to help promote the brand and expand the sales of physical and digital games to the UK. This will help increase their sales for the next 12 months by 20%. Gamer Zone would also like to use the site to show the retro consoles that they can repair as well as the prices that they offer between their repairs. They would also like to develop a community on their website to website reviews of retro and niche games. This will help Gamerzone increase sales to see which games are popular. When it comes to the requirements for Gamer Zones website, they require the website to be compatible with different devices and browsers, allow users to interact with the website by being able to change the theme to light or dark mode, submit repair forms for consoles as well as be able to write reviews on Gamer Zone's website. The website will also be able to contain information on Gamer Zone's available games and promote their brand through the use of a website. The website should also be consistent and use media such as images, videos and text to promote their business.

## Annotated Website Designs

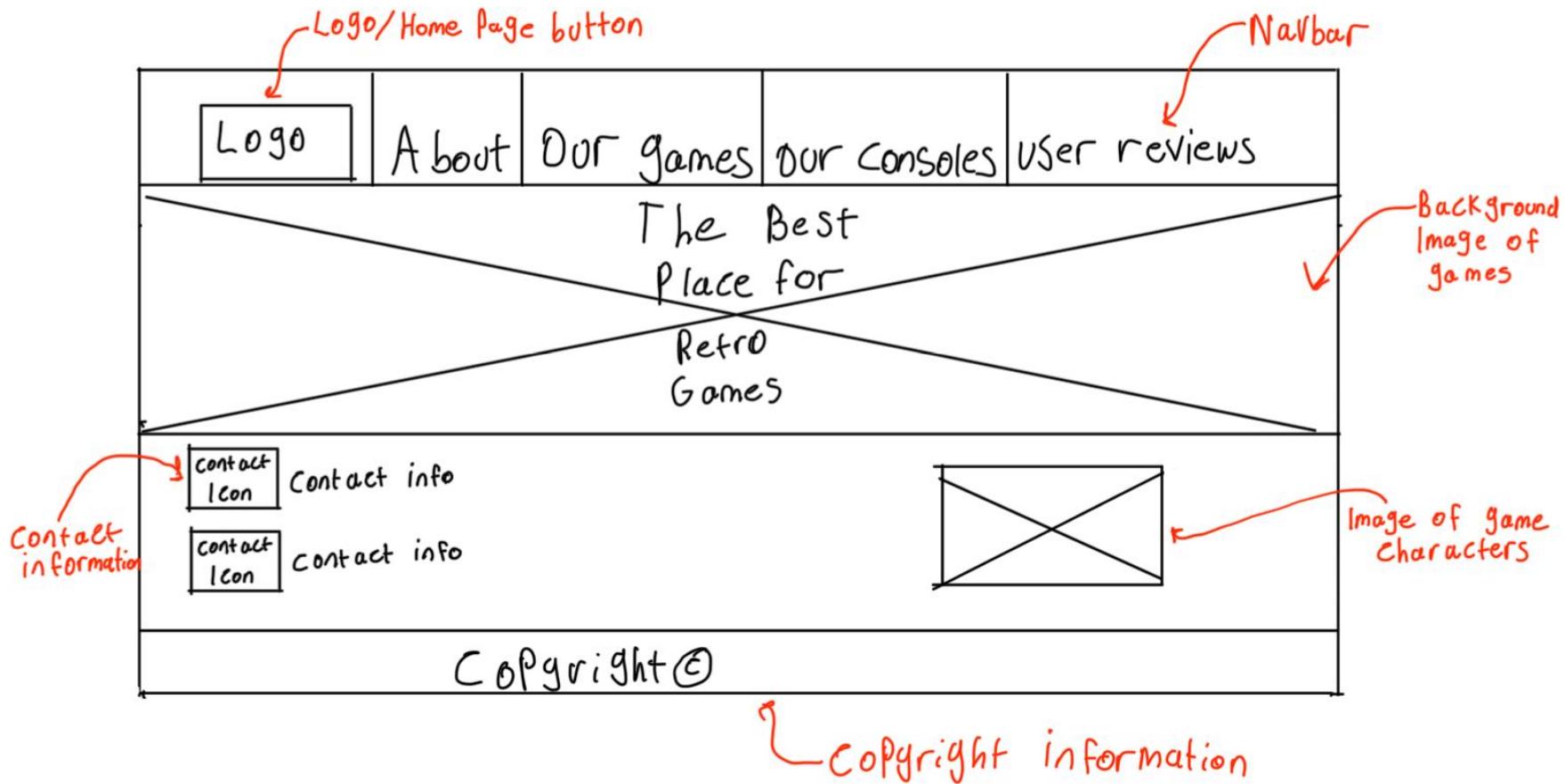
### Site Map



## Mood Board(s)



## Wireframe(s)

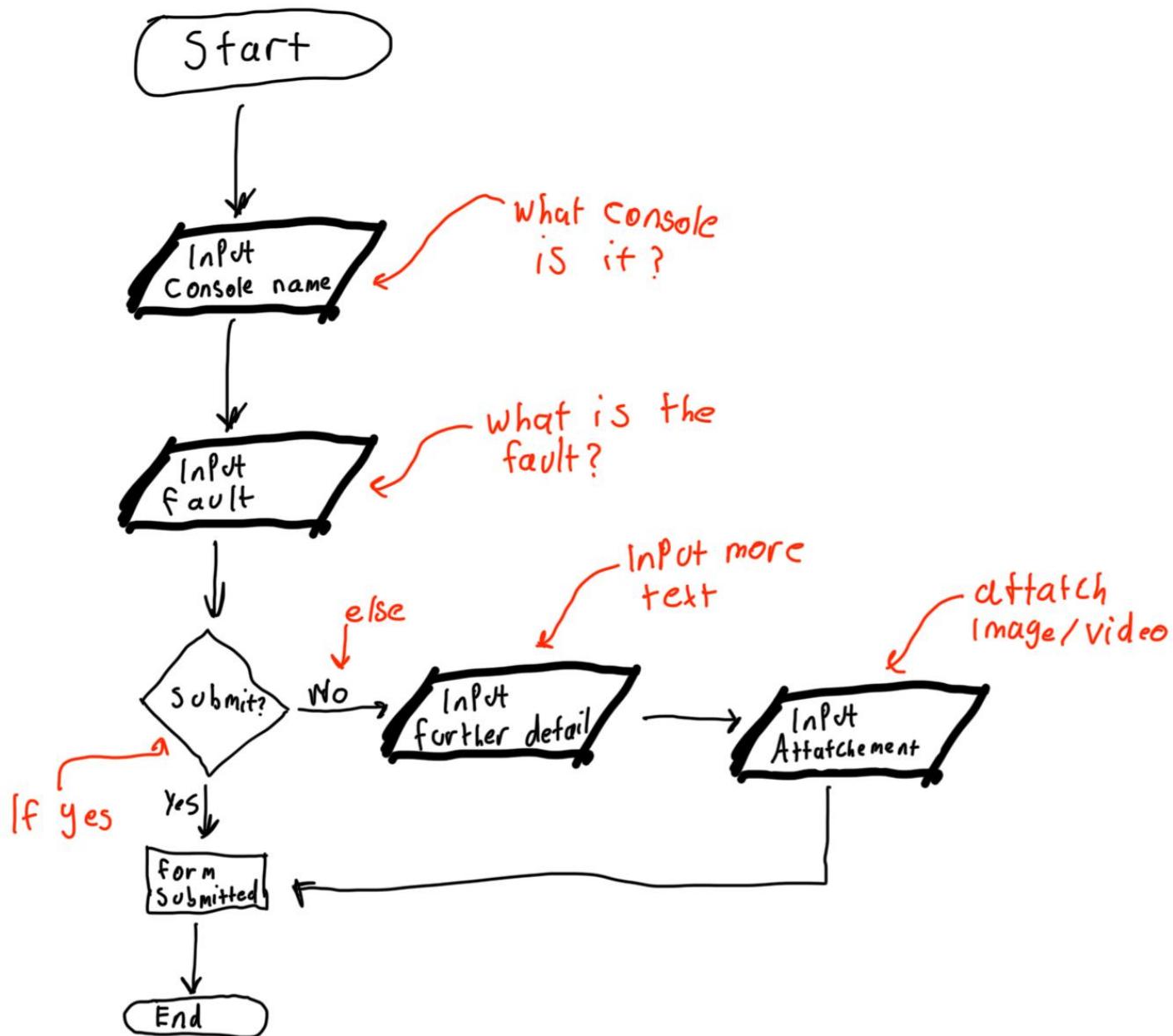


## Storyboard

Home	User Reviews	Games we sell
<p>Logo About Our games Our Consoles User reviews</p> <p>The Best Place for Retro Games</p> <p>Contact info Contact info</p>  <p>Copyright ©</p>	<p>Logo About Our games Our Consoles User reviews</p> <p>+ Add review</p> <p>Category</p> <p>Search bar</p> <p>Rating Review info</p> <p>username + icon</p> <p>Copyright ©</p>	<p>Logo About Our games Our Consoles User reviews</p> <p>category by console</p> <p>Search bar</p> <p>game game game game</p> <p>game game game game</p> <p>Copyright ©</p>
Consoles we repair	Repair Form	Submit a Review
<p>Logo About Our games Our Consoles User reviews</p> <p>Category</p> <p>+ Submit a repair</p> <p>Console logo Console logo Console logo</p> <p>Console logo Console logo Console logo</p> <p>Copyright ©</p>	<p>Logo About Our games Our Consoles User reviews</p> <p>console name fault</p> <p>further detail + Attachment</p> <p>Copyright ©</p>	<p>Logo About Our games Our Consoles User reviews</p> <p>category by console</p> <p>game name</p> <p>game rating</p> <p>name of game</p> <p>further detail</p> <p>Copyright ©</p>
About Page	Information on game	
<p>Logo About Our games Our Consoles User reviews</p> <p>About</p> <p>Contact info Contact info</p> <p>Contact info Contact info</p> <p>Copyright ©</p>	<p>Logo About Our games Our Consoles User reviews</p> <p>game Rating In Stock</p> <p>About the game</p> <p>game image + video</p> <p>Copyright ©</p>	

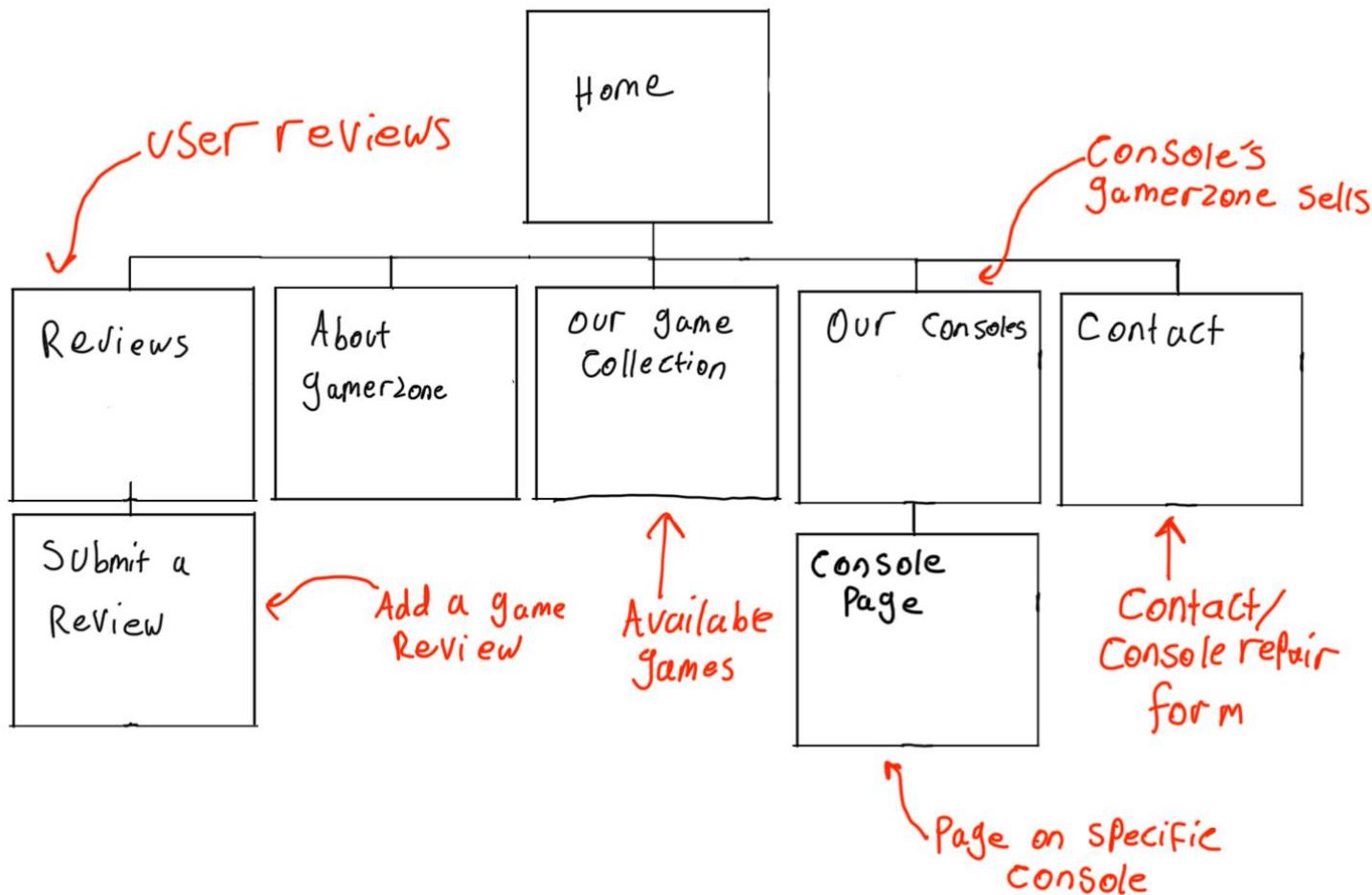
## Client-side Scripting Design(s) - Flowchart(s) and/or Pseudocode

```
START
    INPUT ConsoleName
    INPUT Fault
    IF SubmitForm == yes THEN
        End
    ELSE
        INPUT FurtherDetail
        INPUT Attachment
    END
```

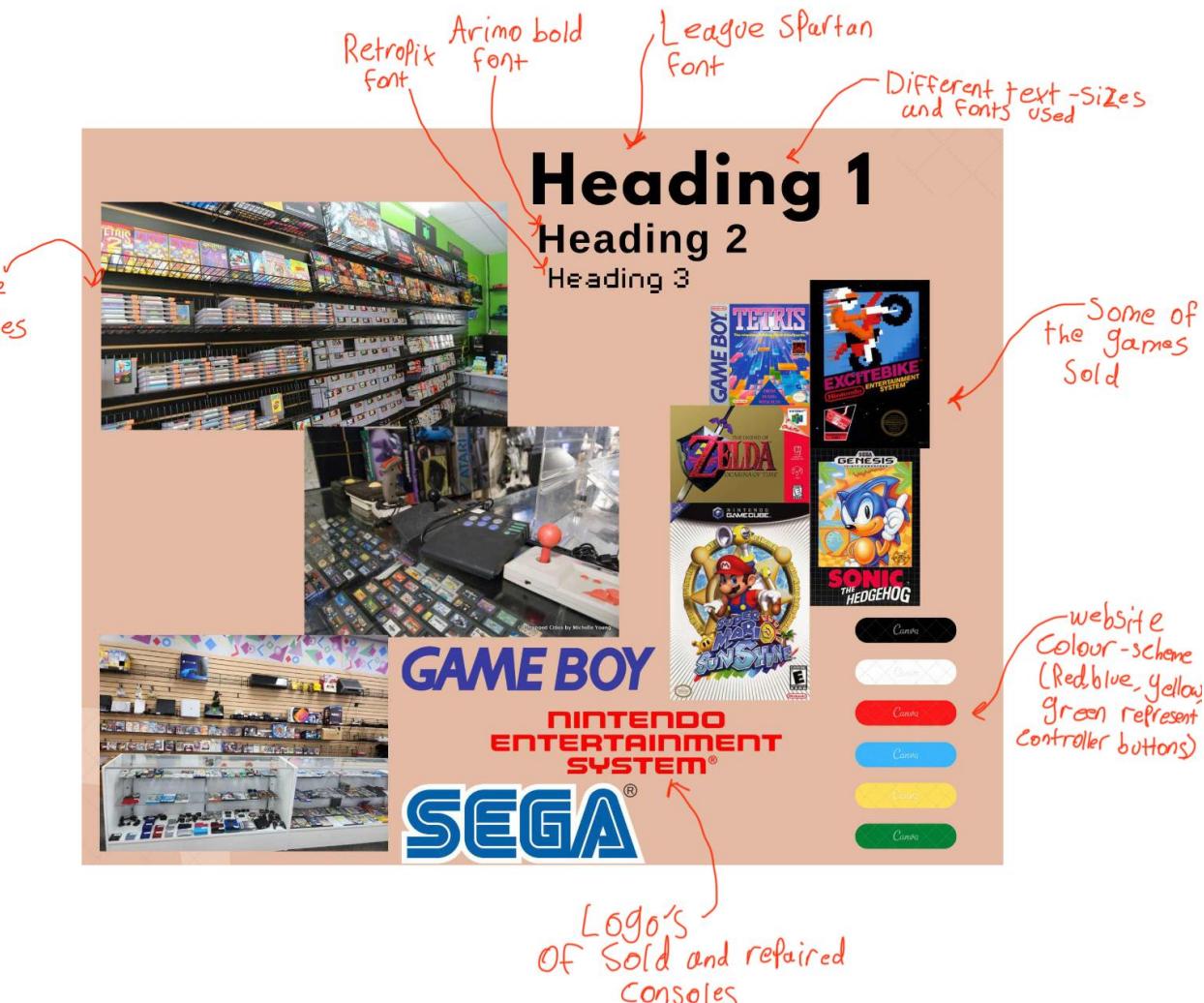


## Alternative Annotated Website Designs

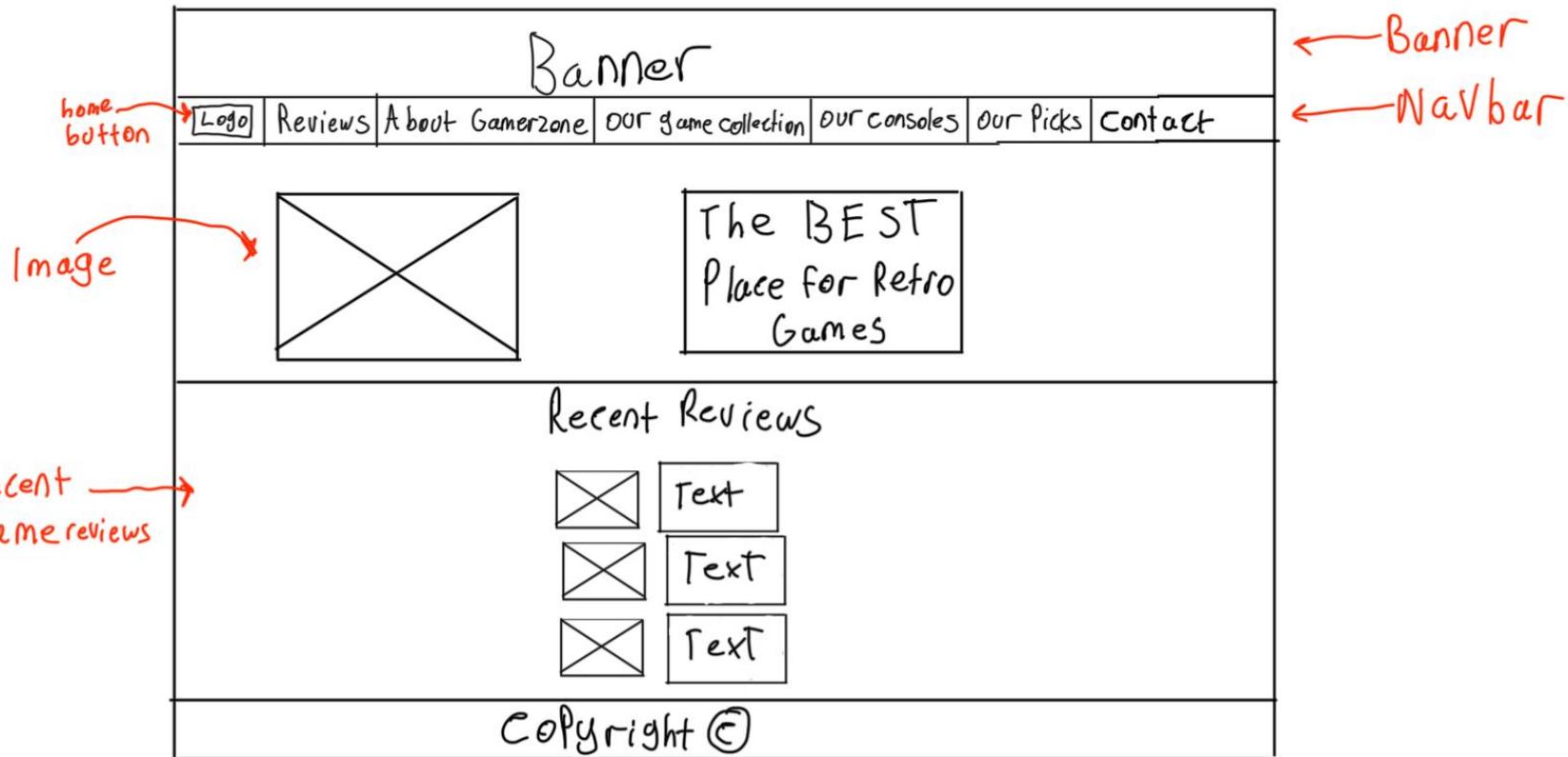
### Site Map



## Mood Board(s)



## Wireframe(s)



## Storyboard

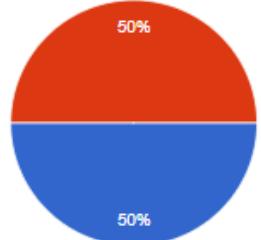
Home	Reviews	About gamer zone	our game collection								
<p>Banner</p> <p>The BEST Place for Retro Games</p> <p>Recent Reviews</p> <ul style="list-style-type: none"> <li>Text</li> <li>Text</li> <li>Text</li> </ul> <p>Copyright ©</p> <p>OUR CONSOLES</p> <p>Banner</p> <p>Search</p> <p>Submit a repair</p> <ul style="list-style-type: none"> <li>Logo</li> <li>Logo</li> <li>Logo</li> <li>Logo</li> <li>Logo</li> <li>Logo</li> <li>Logo</li> <li>Logo</li> </ul> <p>Copyright ©</p>	<p>Banner</p> <p>Category</p> <p>Review</p> <p>Review</p> <p>Review</p> <p>Search</p> <p>Copyright ©</p> <p>Console Page</p> <p>Banner</p> <p>- Variations</p> <p>Repair</p> <p>Copyright ©</p>	<p>Banner</p> <p>About</p> <p>Copyright ©</p> <p>Submit a review</p> <p>Banner</p> <p>Category by console</p> <table border="1"> <tr> <td>game</td> <td>game</td> <td>game</td> <td>game</td> </tr> <tr> <td>game</td> <td>game</td> <td>game</td> <td>game</td> </tr> </table> <p>Copyright ©</p>	game	game	game	game	game	game	game	game	<p>Banner</p> <p>Search</p> <p>game</p> <p>game</p> <p>game</p> <p>game</p> <p>Copyright ©</p> <p>Contact</p> <p>Banner</p> <p>What is your enquiry?</p> <p>further details</p> <p>Copyright ©</p>
game	game	game	game								
game	game	game	game								
OUR CONSOLES	Console Page	Submit a review	Contact								
<p>Copyright ©</p>	<p>Copyright ©</p>	<p>Copyright ©</p>	<p>Copyright ©</p>								

## Feedback received- website designs

I have created a form and asked people for feedback on the designs of my website. I have asked people if they would like to see a pixelated font on the Gamer Zone website. The reason I have asked people if they would like to see this is because I feel like it would fit the retro theme that Gamer Zone wants to provide on their website, however pixelated fonts may be difficult to read for some people. With the response, I received 50% feedback, as one person said yes and another said no. I think that I will include a pixelated font for the Gamer Zone website however because I think that it would fit the theme and make the website look nice. For the second question I have asked people for potential other fonts that they would like to see on the Gamer Zone website, I have received feedback to use the Consolas font as well as the double struck font for the website. For my website I may potentially use the Consolas font however I do not think that I will use the double struck font, as it feels like it does not fit the theme and I feel as if it would stand out too much on my website. For my third question, I showed someone one of the moodboards I have created for my website and asked them if there are any other colours they would like to see on the website that may fit the theme for retro gaming. For one response, I had received the colour purple and for the other someone had told me to use thematic colours, and to use the website [coolors.com](https://coolors.com) to generate these colours. Using Coolors.com I have been able to then generate a much better colour scheme that uses more accurate colours as well as hex values in order to implement them easily into my HTML code for my website. The final question I have asked for my design is comparing the two wireframe homescreens I have designed for my assignment, asking them which one is better. Both of the people I have asked about my design have agreed that my 2nd wireframe was much better than my first. This would mean that it will be the layout I will use for my home screen.

Do you think the website should use a pixelated font for some of its text? This will help with keeping the retro theme for Gamer Zone.

2 responses



Copy

Is there a specific font you would like to see on the Gamer Zone website?

2 responses

Consolas

double struck

Here we have one of the mood boards I have created for the Gamer Zone website. On the bottom right we see the colour scheme that is being used for the website. Are there any other colours you would like to see on the Gamer Zone website that fits retro gaming?

2 responses

I think that you should use a bit more thematoc colours, you could use coolors.com to generate these.

Purple

Which Home screen do you think is better?

2 responses



Copy

## Search Engine Optimisation (SEO) Techniques & Keywords to be Used

One of the Search Engine Optimization techniques that I will use for this website is Keywords, Keywords will allow me to add meta data tags in my HTML code so that when people search anything about the website on a search engine, then the Gamer Zone website could be featured as one of the top results in a search engine. Some of the keywords that I intend to use include: Gaming, Gamer Zone, Retro Games, Retro Gaming, Retro Video games, Repair Retro Game Consoles, Game review Forum, Game reviews, Old Nintendo games and Old Video Games. All of these keywords are related to what the Gamer Zone website does so that search engines will feature the website more.

Keywords Included on the Gamer Zone website.

```
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4  |  <meta charset="UTF-8">
5  |  <meta name="viewport" content="width=device-width, initial-scale=1.0">
6  |  <meta name="keywords" content="Gaming, Gamer Zone, Retro Games, Retro Gaming, Repair Retro Games Console, Retro Game Reviews, Game Reviews, Old Nintendo Games, Old Video Games">
```

## Assets List

Description of Asset	File name of the asset	Source of the asset	File path/folder where asset stored	Web Page on which the asset will be used
Gamer Zone Logo	Logo.png	Created by myself using software (Pixelmator Pro)	Unit 15 Assignment 2/Gamer Zone Website/Assets/Logo.png	Home page, Contact Page, Review Page, Review Form Page, Games We Sell Page, Consoles We Repair Page, Repair Form Page, About Page
Game Store Image	GameStore1.jpg	Polygon, what it costs to run an independent video game store, <a href="https://www.polygon.com/2017/7/17/15974096/what-it-costs-to-run-an-independent-video-game-store">https://www.polygon.com/2017/7/17/15974096/what-it-costs-to-run-an-independent-video-game-store</a> By Matt Leone	Unit 15 Assignment 2/Gamer Zone Website/Assets/GameStore1.jpg	Home page
GamerZone Mario website banner	Mario Banner.png	Super Mario Bros Game Genie Codes-December 2022 <a href="https://hablamosdegamers.com/en/codes/super-mario-bros-game-genie-codes/">https://hablamosdegamers.com/en/codes/super-mario-bros-game-genie-codes/</a> by Alair Oundir (Image was also cropped by me using Pixelmator Pro software)	Unit 15 Assignment 2/Gamer Zone Website/Assets/Mario Banner.png	Home page, Contact Page, Review Page, Review Form Page, Games We Sell Page, Consoles We Repair Page, Repair Form Page, About Page
Retropix Font	retropix.ttf	Fontstruct Retropix by Brandon Kleeman (DaEpicOne)	Unit 15 Assignment 2/Gamer Zone Website/Assets/retropix.ttf	Home page, Contact Page, Review Page, Review Form Page, Games We Sell Page, Consoles We Repair

		<a href="https://fontstruct.com/fontstructures/download/1716995">https://fontstruct.com/fontstructures/download/1716995</a>		Page, Repair Form Page, About Page
Consolas Font	CONSOLA.TTF	Dafont Free Consolas Font by Dafont <a href="https://www.dafontfree.io/consolas-font/">https://www.dafontfree.io/consolas-font/</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/CONSOLA.TTF	Home page, Contact Page, Review Page, Review Form Page, Games We Sell Page, Consoles We Repair Page, Repair Form Page, About Page
Arimo-Medium Font	Arimo-Medium.ttf	Google Fonts Arimo by Steve Matteson <a href="https://fonts.google.com/specimen/Arimo">https://fonts.google.com/specimen/Arimo</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Arimo-Medium.ttf	Home page, Contact Page, Review Page, Review Form Page, Games We Sell Page, Consoles We Repair Page, Repair Form Page, About Page
Hamburger Menu	menu.svg	Youtube HTML and CSS Tutorial for 2021! - COMPLETE Crash Course! by DesignCourse <a href="https://www.youtube.com/watch?v=D-h8L5hgW-w&amp;t=5168s">https://www.youtube.com/watch?v=D-h8L5hgW-w&amp;t=5168s</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/menu.svg	Home page, Contact Page, Review Page, Review Form Page, Games We Sell Page, Consoles We Repair Page, Repair Form Page, About Page
Hamburger Menu Exit	exit.svg	Youtube HTML and CSS Tutorial for 2021! - COMPLETE Crash Course! by DesignCourse <a href="https://www.youtube.com/watch?v=D-h8L5hgW-w&amp;t=5168s">https://www.youtube.com/watch?v=D-h8L5hgW-w&amp;t=5168s</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/exit.svg	Home page, Contact Page, Review Page, Review Form Page, Games We Sell Page, Consoles We Repair Page, Repair Form Page, About Page

Profile Picture Placeholder	Profile Picture.webp	Pixabay Blank Profile Picture by WandererCreative <a href="https://pixabay.com/vectors/blank-profile-picture-mystery-man-973460/">https://pixabay.com/vectors/blank-profile-picture-mystery-man-973460/</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Profile Picture.webp	Home Page, Review Page
Super Mario 64 Box art	Super_Mario_64_box_cover.jpg	Wikipedia Super Mario 64 <a href="https://en.wikipedia.org/wiki/Super_Mario_64">https://en.wikipedia.org/wiki/Super_Mario_64</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Super_Mario_64_box_cover.jpg	Home Page, Review Page, Games We Sell Page
Sonic Adventure Box art	Sonic-Adventure.jpg	Professional Moon, Sonic Adventure: Remembering The Hedgehog's First 3D Romp <a href="https://professionalmoron.com/2019/04/21/sonic-adventure-dreamcast/">https://professionalmoron.com/2019/04/21/sonic-adventure-dreamcast/</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Sonic-Adventure.jpg	Home Page, Review Page, Games We Sell Page
Pokemon Red Box art	Pokemon Red.jpg	Amazon, Pokemon - Red Version (Gameboy) <a href="https://www.amazon.co.uk/Pokemon-Red-Version-Game-Boy/dp/B00000IYEQ">https://www.amazon.co.uk/Pokemon-Red-Version-Game-Boy/dp/B00000IYEQ</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Pokemon Red.jpg	Home Page, Review Page, Games We Sell Page
Swiper Javascript	<link rel ="Stylesheet" href=" <a href="https://swiperjs.com/get-started">https://swiperjs.com/get-started</a> ">	Swiper js installation <a href="https://swiperjs.com/get-started">https://swiperjs.com/get-started</a>	Unit 15 Assignment 2/Gamer Zone Website/index.html	Home Page
Persona 3 FES box art	Persona3FES.jpg	IMDb Persona 3 FES <a href="https://www.imdb.com/title/tt1236211/">https://www.imdb.com/title/tt1236211/</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Persona3FES.jpg	Home Page, Review Page, Games We Sell Page

Metroid Prime box art	MetroidPrimebox.jpg	Wikipedia Metroid Prime, <a href="https://en.wikipedia.org/wiki/Metroid_Prime">https://en.wikipedia.org/wiki/Metroid_Prime</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/MetroidPrimebox.jpg	Home Page, Review Page, Games We Sell Page
Twilight Princess Box art	TwilightPrincess.jpeg	Wikipedia The Legend of Zelda: Twilight Princess <a href="https://en.wikipedia.org/wiki/The_Legend_of_Zelda:_Twilight_Princess">https://en.wikipedia.org/wiki/The_Legend_of_Zelda:_Twilight_Princess</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/TwilightPrincess.jpeg	Home Page, Review Page, Games We Sell Page
Halo: Combat evolved box art	Halo Combat Evolved.jpg	Wikipedia Halo: Combat Evolved <a href="https://en.wikipedia.org/wiki/Halo:_Combat_Evolved">https://en.wikipedia.org/wiki/Halo:_Combat_Evolved</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Halo Combat Evolved.jpg	Home Page, Review Page, Games We Sell Page
Final Fantasy VII box art	FFVII.jpg	Amazon, Final Fantasy VII - PlayStation <a href="https://www.amazon.com/Final-Fantasy-VII-Playstation/dp/B00000JRSB">https://www.amazon.com/Final-Fantasy-VII-Playstation/dp/B00000JRSB</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/FFVII.jpg	Home Page, Review Page, Games We Sell Page
NES	NES.png	Cashinhandpawnbroking, NES Console <a href="https://cashinhandpawnbroking.co.uk/store/index.php?route=product/product&amp;product_id=299">https://cashinhandpawnbroking.co.uk/store/index.php?route=product/product&amp;product_id=299</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/NES.jpeg	Repair Page

SNES	SNES.png	Wikipedia, Super Nintendo Entertainment System <a href="https://en.wikipedia.org/wiki/Super_Nintendo_Entertainment_System">https://en.wikipedia.org/wiki/Super_Nintendo_Entertainment_System</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/SNES.jpeg	Repair Page
N64	N64.png	Amazon, Nintendo 64 <a href="https://www.amazon.co.uk/Nintendo-nus-001-usa-Console-Grey/dp/B00005AC5L">https://www.amazon.co.uk/Nintendo-nus-001-usa-Console-Grey/dp/B00005AC5L</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/N64.jpg	Repair Page
Gamecube	GameCube.png	Wikipedia, GameCube <a href="https://en.wikipedia.org/wiki/GameCube">https://en.wikipedia.org/wiki/GameCube</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/GameCube.jpg	Repair Page
Wii	Wii.png	Wikipedia, Wii <a href="https://en.wikipedia.org/wiki/Wii">https://en.wikipedia.org/wiki/Wii</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Wii.jpg	Repair Page
Gameboy	Gameboy.png	Press Start, Gameboy & Gameboy Color Games are apparently coming to Nintendo Switch Online <a href="https://press-start.com.au/news/nintendo/2021/08/31/gameboy-gameboy-color-games-are-apparently-finally-coming-to-nintendo-switch-online/">https://press-start.com.au/news/nintendo/2021/08/31/gameboy-gameboy-color-games-are-apparently-finally-coming-to-nintendo-switch-online/</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Gameboy.png	Repair Page

Gameboy Advance	GBA.png	Wikipedia, Game boy Advance <a href="https://en.wikipedia.org/wiki/Game_Boy_Advance">https://en.wikipedia.org/wiki/Game_Boy_Advance</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/GBA.png	Repair Page
Nintendo DS	DS.png	Wikipedia, Nintendo DS <a href="https://en.wikipedia.org/wiki/Nintendo_DS">https://en.wikipedia.org/wiki/Nintendo_DS</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/DS.png	Repair Page
PlayStation	PlayStation.png	Wikipedia, list of PlayStation games (M-Z) <a href="https://en.wikipedia.org/wiki/List_of_PlayStation_games_%28M-Z%29">https://en.wikipedia.org/wiki/List_of_PlayStation_games_%28M-Z%29</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/PlayStation.png	Repair Page
PlayStation 2	PS2.png	Wikipedia, PlayStation 2 <a href="https://en.wikipedia.org/wiki/PlayStation_2">https://en.wikipedia.org/wiki/PlayStation_2</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/PS2.png	Repair Page
PlayStation 3	PS3.png	Wikipedia, PlayStation 3 <a href="https://en.wikipedia.org/wiki/PlayStation_3">https://en.wikipedia.org/wiki/PlayStation_3</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/PS3.png	Repair Page
PlayStation Portable	Psp.png	Wikipedia, PlayStation Portable <a href="https://en.wikipedia.org/wiki/PlayStation_Portable">https://en.wikipedia.org/wiki/PlayStation_Portable</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Psp.png	Repair Page
Original Xbox	Xbox.png	Wikipedia, Xbox (console) <a href="https://en.wikipedia.org/wiki/Xbox_%28console%29">https://en.wikipedia.org/wiki/Xbox_%28console%29</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Xbox.png	Repair Page

Xbox 360	Xbox360.png	Amazon, Xbox 360 Console (60GB Hard Drive) <a href="https://www.amazon.co.uk/Xbox-360-Console-Hard-Drive/dp/B001DTD0WM">https://www.amazon.co.uk/Xbox-360-Console-Hard-Drive/dp/B001DTD0WM</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Xbox360.png	Repair Page
Sega Genesis	Sega-Genesis.png	Wikipedia, Sega Genesis <a href="https://en.wikipedia.org/wiki/Sega_Genesis">https://en.wikipedia.org/wiki/Sega_Genesis</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Sega-Genesis.png	Repair Page
Sega Saturn	Sega Saturn.png	Wikipedia, Sega Saturn <a href="https://en.wikipedia.org/wiki/Sega_Saturn">https://en.wikipedia.org/wiki/Sega_Saturn</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Sega-Saturn.png	Repair Page
Sega Dreamcast	Dreamcast.png	Wikipedia, List of Dreamcast Games <a href="https://en.wikipedia.org/wiki/List_of_Dreamcast_games">https://en.wikipedia.org/wiki/List_of_Dreamcast_games</a>	Unit 15 Assignment 2/Gamer Zone Website/Assets/Dreamcast.png	Repair Page

## Legal and Ethical Considerations

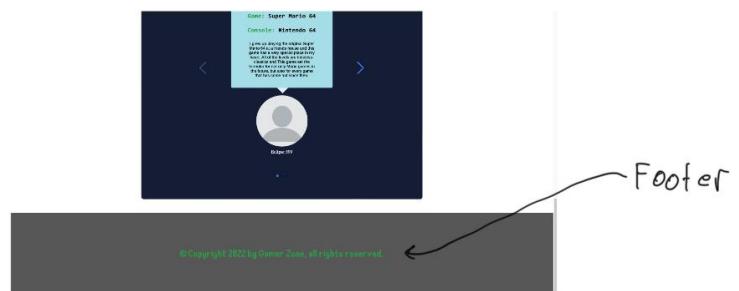
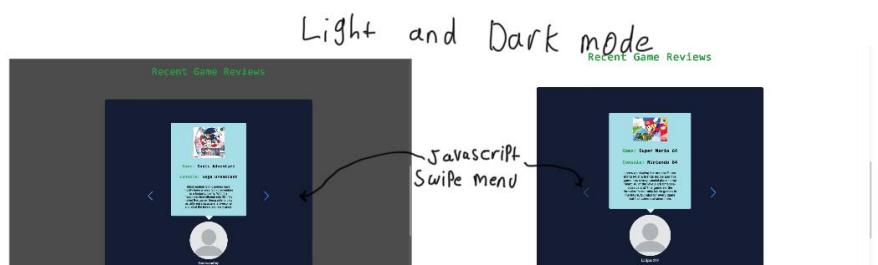
When it comes to the legal laws that I need to know about when it comes to the Gamer Zone website, the first has to do with copyright, One of the laws related to copyright is the copyright designs and patents act (1988) This act is making sure that any piece of work such as music, videos, images etc must be used with permission of the original owner. In order to comply with this act I will make sure to reference any copyrighted images, text and videos that I will use that belong to others on the Gamer Zone website. My website will also be collecting Data from customers, such as their reviews and for creating an account such as their email address, name etc. I need to make sure to keep within data protection laws such as the GDPR (General Data Protection Regulations) so that all of the data I collect will be safe and will adhere to confidentiality, integrity and availability. The GDPR (General Data Protection Regulations) is a law that states that all data that is collected has to be collected for a reason, must be up to date and must be stored securely.

When it comes to ethical considerations that I have to adhere to for the Gamer Zone website, I need to make sure that the website appeals to the target audience and also make sure that it is appropriate so that I do not breach any acts of inequality towards ethical people (religion,race, gender etc). I will do my best to make sure that the Gamer Zone website and its brand is friendly so that anyone can enjoy it and it doesn't go against any acts of ethical considerations. The content on the website will also have to be appropriate as well. As many different people and ages are Gamers, I need to make sure that most of the games featured on the website are family friendly classic titles and that gameplay videos/ images I use do not contain nudity or racial gameplay as well as not be extremely violent. In order to do this I must make sure that the games featured on the website do not contain such images or videos so that they are age appropriate. This also applies with reviews that people leave, where I need to make sure that not many people will swear or hurt others so that the website can be a friendly place for anyone to post game reviews.

## Justification of the final Design decisions

For the Gamer Zone website, I have taken a mix of both of my design ideas to implement them into my website. However when it comes to the site map that I have chosen to implement into my website, I have taken the second site map into consideration, and used those pages for the Gamer Zone website. This is because the second site map would allow the user of the website to interact more with the website. With the first site map, the user is able to submit a review as well as a console repair form however with the second site map, the user is also able to send a contact form in case they require any help. This also creates a sense of professionalism for the brand as it means that a user can contact the company in case they have any other enquiries that do not link to submitting a review or sending a console repair form. As for the mood board, I believe that the second moodboard has been more useful for the design of the website than the first. This is because The Second moodboard has featured different fonts that can be used on the website to separate paragraphs and the navigation bar as well as show some of the potential games that can be featured or consoles that Gamer Zone can repair. In addition to this, using the second wireframe would be better for the homepage of the website. This is because the user can see recently posted reviews on the home page which allows the user to interact with the website from the start, seeing that the website is for posting different reviews of games compared to the first wireframe. In addition to this, after receiving feedback on my wireframes from 2 people, both of them had agreed to use the second wireframe on the website. As I have decided to mostly use the second site map, I have also decided to use the second storyboard for my website, however I will be taking parts from both of the storyboards for my website.

## Annotated Screen Prints of the Completed Website



# Website on Different Devices

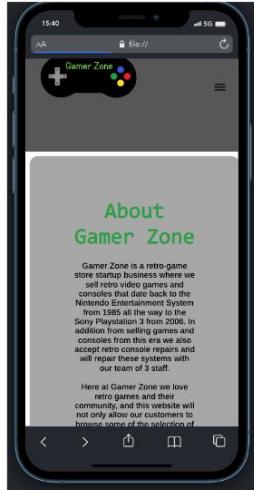
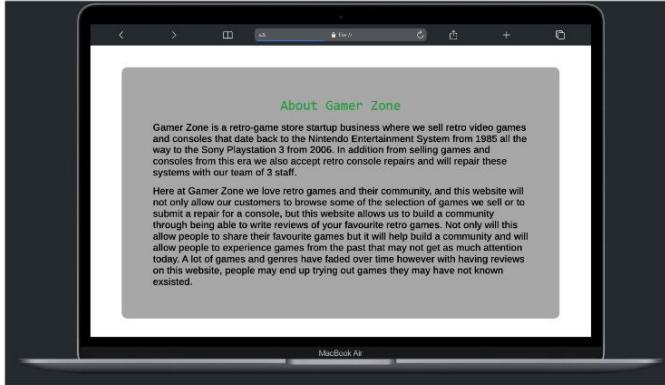


Navbar  
Resizes to  
hamburger menu

Navbar hamburger  
menu, uses JavaScript  
button

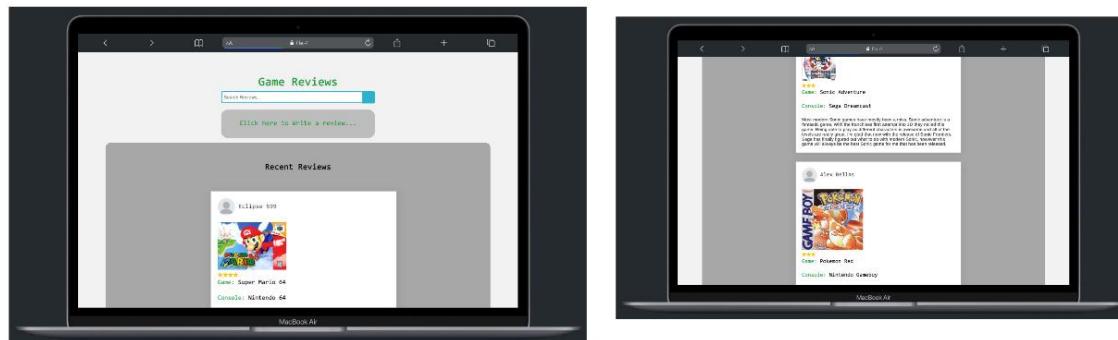
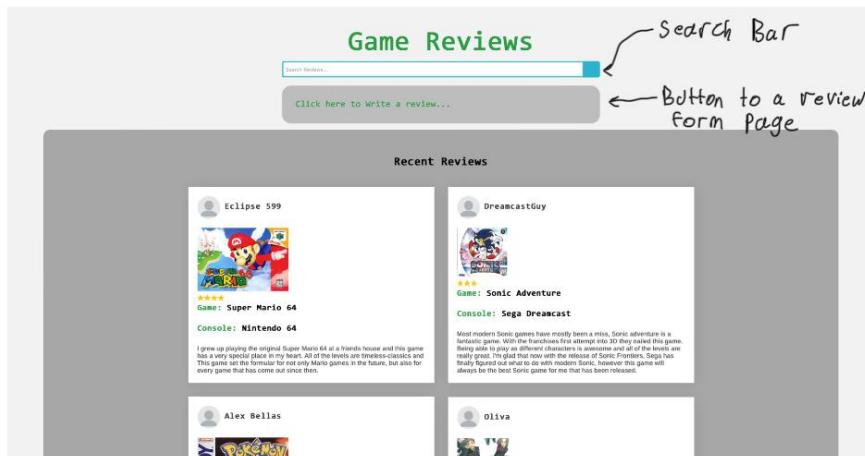


# About Page



The full website layout is shown, featuring a dark header with navigation links: Home, Best, Review, Games we sell, Consoles we repair, Contact, and Dark/light mode. The main content area displays the 'About' page with its descriptive text. At the bottom of the page, there is a copyright notice: ©Copyright 2022 by Gamer Zone, all rights reserved.

# Game Reviews



# Review Form

## Review Form

Username:

Console:

How many stars would you rate this game?  
 5 star

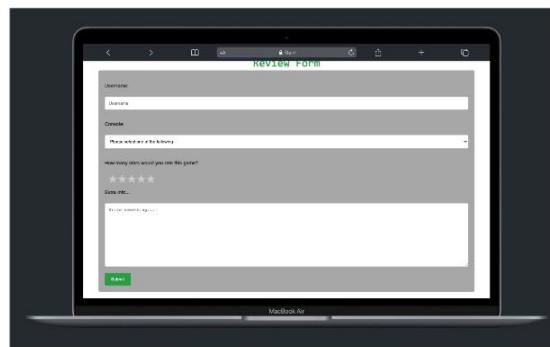
Extra Info...

Write something...

Star rating hovers on Screen

submit requires PHP

Console:  
Please select one of the following:  
Nintendo Entertainment System (NES)  
Super Nintendo Entertainment System (SNES)  
Nintendo 64  
Nintendo Gamecube  
Gameboy  
Gameboy Colour  
Gameboy Advance  
Nintendo DS  
Playstation  
Playstation 2  
Playstation 3  
Playstation Portable (PSP)  
Original Xbox  
Xbox 360  
Sega Genesis  
Sega Saturn  
Sega Dreamcast

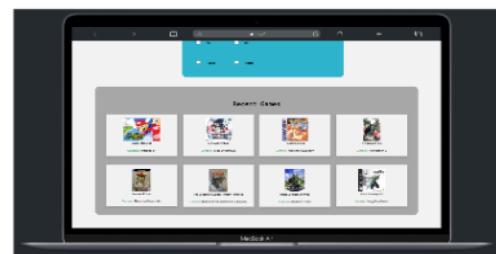


# Games we Sell

**Games We Sell**

*Filter Section*

Recent Games



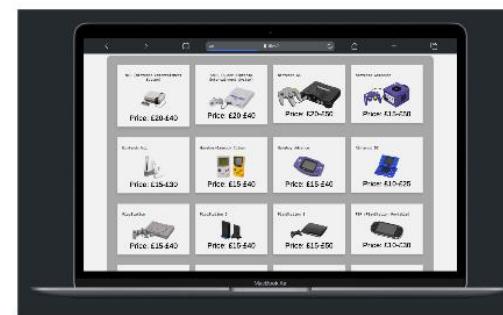
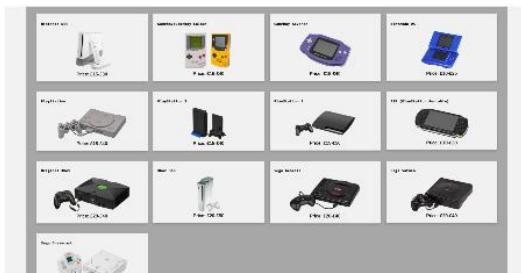
# Consoles we Repair

## Console Repairs

At Game Zone we repair your Game Consoles we currently repair Consoles from the NES all the way to the PS2 from 2002. Any Older or newer Consoles we unfortunately do not repair. We also repair handheld consoles such as the Gameboy Consoles. Please note that the repairs we do depend on if we have the parts available to repair the console. In addition, we do not repair console models that have not been released in the UK. These are the following Consoles we do not repair and that you should not try to repair. Please let us know if you need a repair, our repair team will take care of it and take you to a repair shop.

[Click here to submit a console repair form...](#)

-button to repair form



# Contact

## Contact

Please feel free to contact us for any enquiries you may have, such as how to apply for Console repairs, the status of your repair and any other questions you may have. Our team will try and look into your request as soon as possible.

First Name:

Last Name:

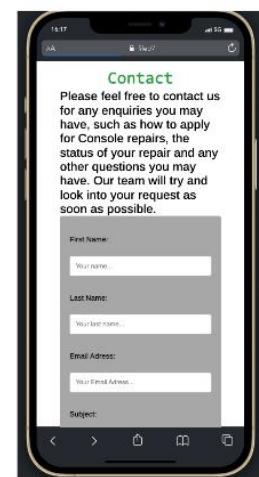
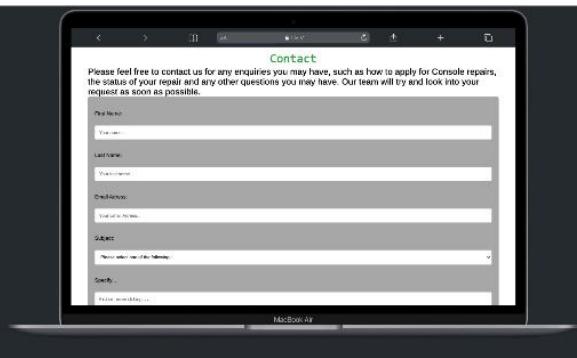
Email Address:

Subject:

Please select one of the following:

Console repair status  
How to apply for a console repair  
Game Shock  
Report Inappropriate user comment or review  
Other

Specify...



**Completed Test Plan/Log**

<b>Test No.</b>	<b>Purpose of Test</b>	<b>Web Page Tested</b>	<b>Test Data</b>	<b>Expected Result</b>	<b>Actual Result: Pass/Fail</b>	<b>Changes Made and Screenprint</b>
1	Test Light and Dark Mode button	All pages	<div class="lightdarkmode">	Button changes to dark mode	Pass	
2	Test Navigation bar resizing	Index.html	<div class="container">	Navigation bar resizes for different devices	Fail	<p>Used a Media tag to make sure the navigation bar turns into the hamburger menu earlier.</p> <pre># styles.css &gt; ↗ .Pokemon-Red 288 289  /*Mobile CSS*/ 290  @media only screen and (max-width: 1445px) { 291    body { 292      margin: 0; 293    } 294    /*Navbar*/ 295    .Mobile-Logo { 296      height: 200px; 297      cursor: pointer; 298    } 299    .Logo { 300      display: none; 301    } 302    .navbar { 303      background: #575757; 304      padding: 1em; 305    } 306    .navbar nav{ 307      display: none; 308    } 309    .navbar .container { 310      display: -webkit-box; 311      display: -ms-flexbox; 312      display: flex; 313      place-content: space-between; 314    } 315    .navbar .mobile-menu { 316      cursor: pointer; 317    } </pre>

<b>Test No.</b>	<b>Purpose of Test</b>	<b>Web Page Tested</b>	<b>Test Data</b>	<b>Expected Result</b>	<b>Actual Result: Pass/Fail</b>	<b>Changes Made and Screenprint</b>
3	Test resizing the review tab	Review.html	User Reviews will resize into one column for mobile users.	Review icons	Pass	
4	Test Resizing the Games we Sell page so that the Filters Section resizes with it and becomes smaller	Games We Sell.html	the container only grows smaller but the text remains the same	the entire box resizes	Fail	Changed the Font Size of the text and used a media tag <pre> 442 @media only screen and (max-width: 768px) { 443   .container-Review { 444     background-color: #a7a7a7; 445     border-radius: 15px; 446     width: 60%; 447   } 448   .hero { 449     padding: .5em; 450   } 451   p { 452     text-align: center; 453     color: black; 454     font-family: Arimo; 455     font-size: 15px; 456     margin: 0; 457   } 458   h1 { 459     margin: 0; 460     font-family: Consolas; 461     color: #289E44; 462     font-size: 40px; 463     text-align: center; 464   } 465 } 466 </pre>
5	Test the Submit button on the Contact Form	Contact.html, Repair Form.html,	The page is refreshed once the button is clicked due to no PHP used.	A form is submitted	Pass	

<b>Test No.</b>	<b>Purpose of Test</b>	<b>Web Page Tested</b>	<b>Test Data</b>	<b>Expected Result</b>	<b>Actual Result: Pass/Fail</b>	<b>Changes Made and Screenprint</b>
6	HyperLinks	Index.html	Hyperlinks work as expected	Hyperlink takes you to another page	Pass	
7	Image rendering	Repair.html	Images had loaded on one device but not the other	images load on every browser and device	fail	Re downloaded images and added them back into my assets folder
8	Hero Text on the home page	Index.html	<h1>The Best Place for Retro Games!<h1>	Hero text remains in the same place when resized	fail	<p>removed the float component and made my text stay on top of the page</p> <pre>.hero h1{     text-align: center;     font-family: Consolas;     color: #2B9E44;     font-size: 5vh;     background-color: #c6dacac4;     padding: 0.7em; }</pre>

<b>Test No.</b>	<b>Purpose of Test</b>	<b>Web Page Tested</b>	<b>Test Data</b>	<b>Expected Result</b>	<b>Actual Result: Pass/Fail</b>	<b>Changes Made and Screenprint</b>
9	Header image	index.html	<div class="header">	Header resizes	fail	<p>cropped image using photo manipulation software and separated and added text on top of the header instead of on the software</p> <pre>&lt;!--Header--&gt; &lt;div class="header"&gt;     &lt;h2&gt;Gamer Zone&lt;/h2&gt;  &lt;/div&gt;</pre>
10	Star rating	Review.html	When hovering on the rating of the webpage, the user is able to select what their star rating is of a game	The user can click on the stars and give a rating of the game	pass	
11	hyperlink text colour	Review Page, Repair Page	Text colour is the hyperlink colour	Text colour remains the same	fail	<p>added colour on the a tag text in css</p> <pre>69  a{ color: #2B9E44; 70      text-decoration: none; 71    72  }</pre>

<b>Test No.</b>	<b>Purpose of Test</b>	<b>Web Page Tested</b>	<b>Test Data</b>	<b>Expected Result</b>	<b>Actual Result: Pass/Fail</b>	<b>Changes Made and Screenprint</b>
12	favicon displays in supported web browsers	All pages	<pre>&lt;link rel="icon" type="image/x- icon" href="Assets/L ogo.png"&gt;</pre>	Favicon loads	Pass	
13	Text overflow	All pages	Does the text overflow?	text resizes	Pass	
14	Filters section on the games we sell page	Games we sell.html	do the checkboxes work?	User can check the checkboxes	Pass	
15	Home page slider	Index.html	Does the slider javascript work?	Javascript functions	Pass	

## Web Browser Compatibility Testing

The website was tested in the following web browsers:

Web Browser Name	Website Loaded Correctly? Yes/No	Change(s) Made to Ensure Compatibility	Screen Prints to Show Change(s) Made
Safari	Yes	None	None
Chrome	Yes	None	None
Firefox	Yes	None	None
Opera	Yes	None	None

## Review of the extent to which the website meets client requirements

The Gamer Zone website I have created and designed has met most of the client requirements for what the client has wanted for their website. Due to time limitations, some of the things included I was not able to include in my website, However I have included a majority of the things that the client has asked me to include into the website.

When it comes to the consistency of the Gamer Zone website I have designed, I have met the clients requirements for this by always making sure that the navigation bar, header and footer are always at the same place across each page. This creates an easy navigation across the website as the user knows where to click and is familiar with where everything is. In addition to this, consistency is also used with the fonts on the website as well as most of the main containers having the same light grey colour across every page. I have also used different text and graphics to show Retro game reviews on my website and have included game information with text and graphics on the Gamer Zone 'Games we sell' page. On the review section of the Gamer Zone website, every review has an image of the game as well as text to show what the name of the game is, the console it is

on as well as the thoughts the user has on the game. In addition to this, a star rating system is also displayed to show how many stars the user has given the game, with 1 being not that great and 5 making it a really great game. This creates a diversity to show how a user can see a review on the website.



**Eclipse 599**



**Game:** Super Mario 64

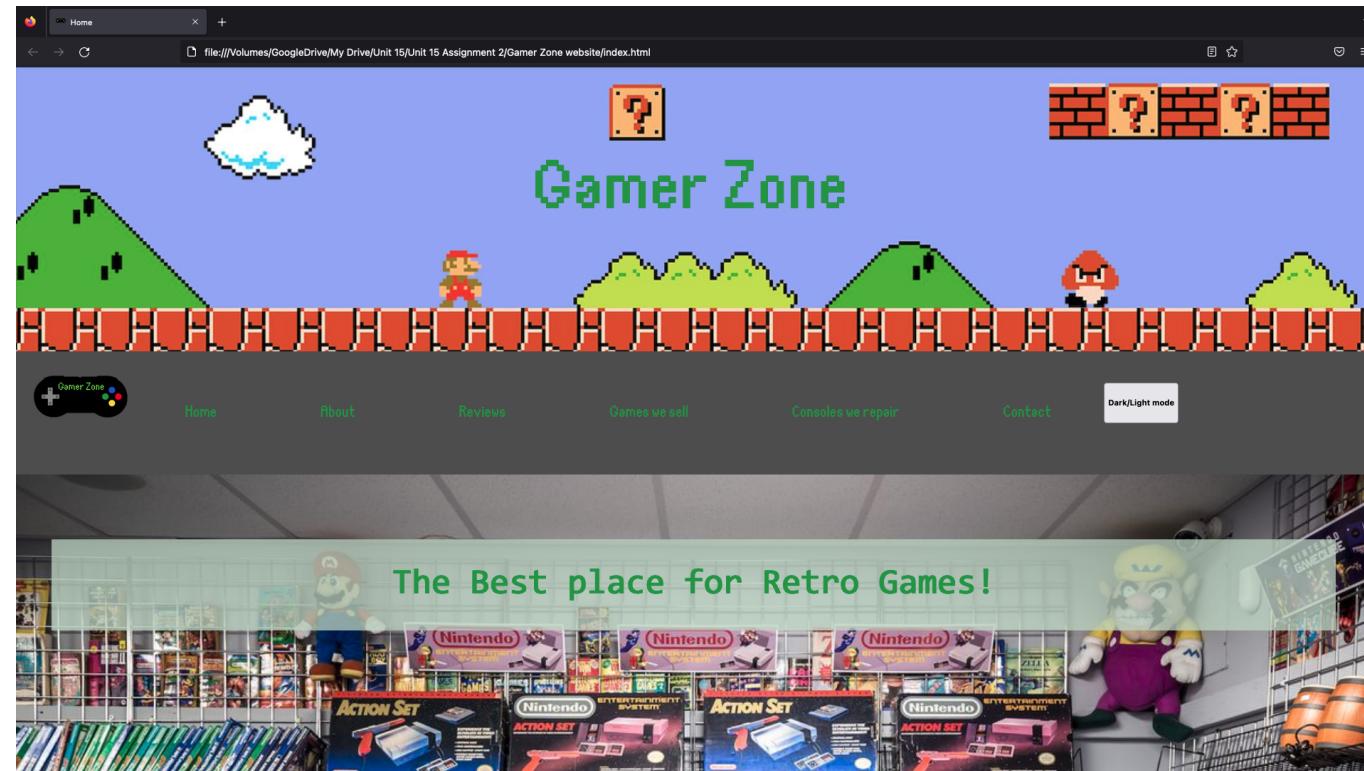
**Console:** Nintendo 64

I grew up playing the original Super Mario 64 at a friends house and this game has a very special place in my heart. All of the levels are timeless-classics and This game set the formular for not only Mario games in the future, but also for every game that has come out since then.

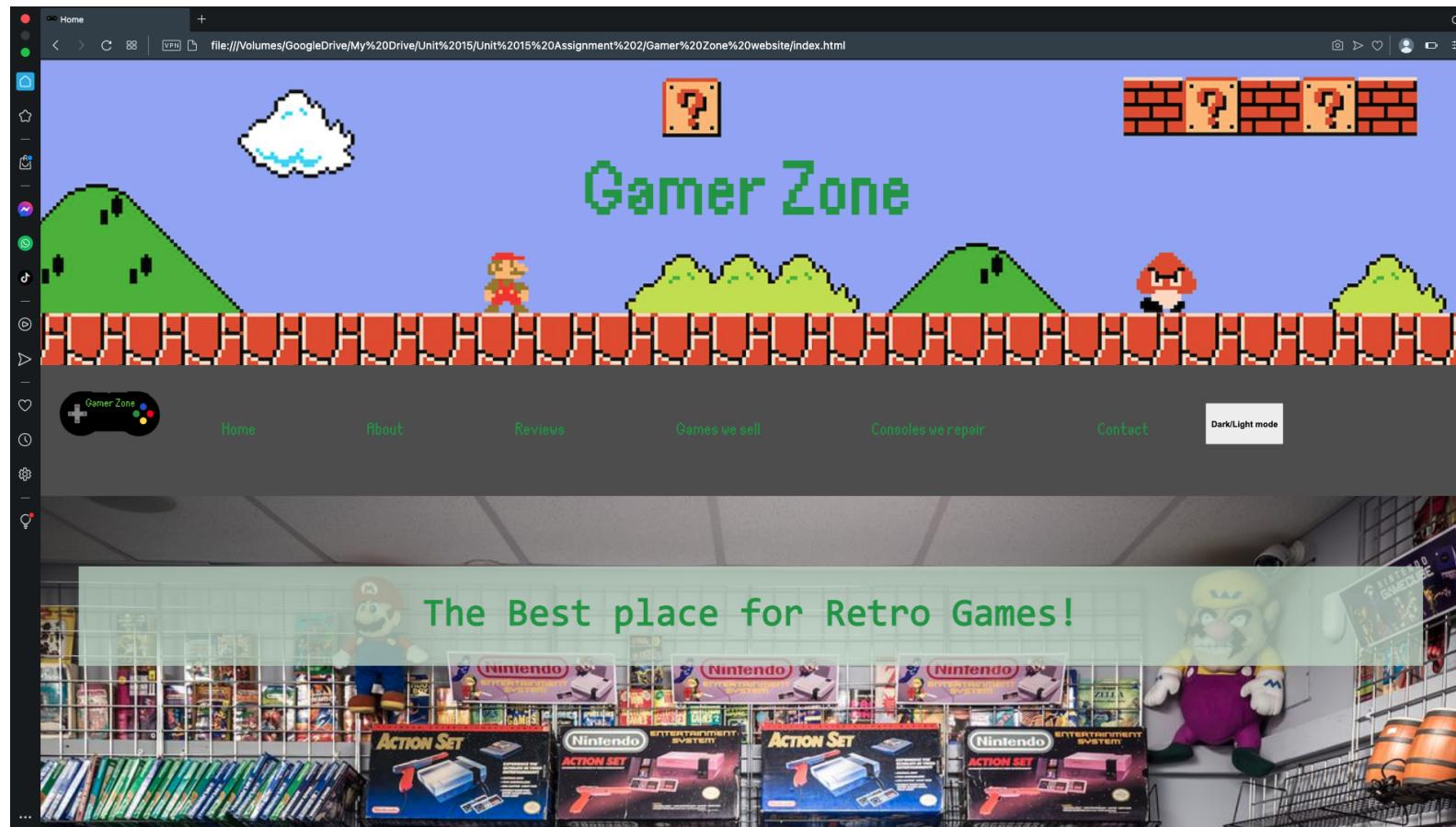
I have also carried out testing to ensure that the website works across multiple web browsers. During my time developing this website, I have used multiple different hardware, so sometimes the website was being worked on a mac using safari or on a windows machine using chrome, In addition

to this, I have also tested the website with Opera and Firefox and the results had remained the same, The website loads and functions just fine on different web browsers.

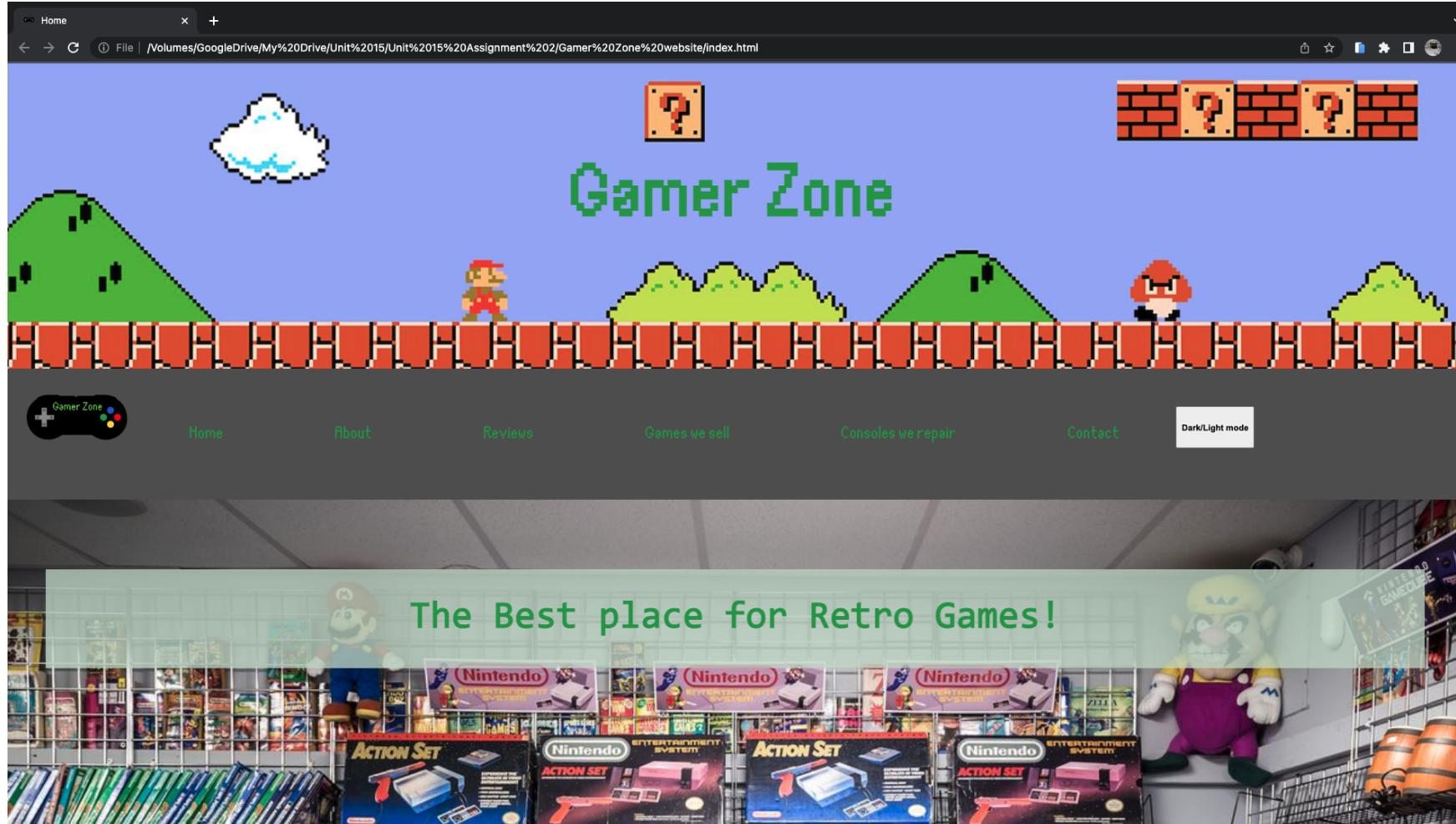
FireFox



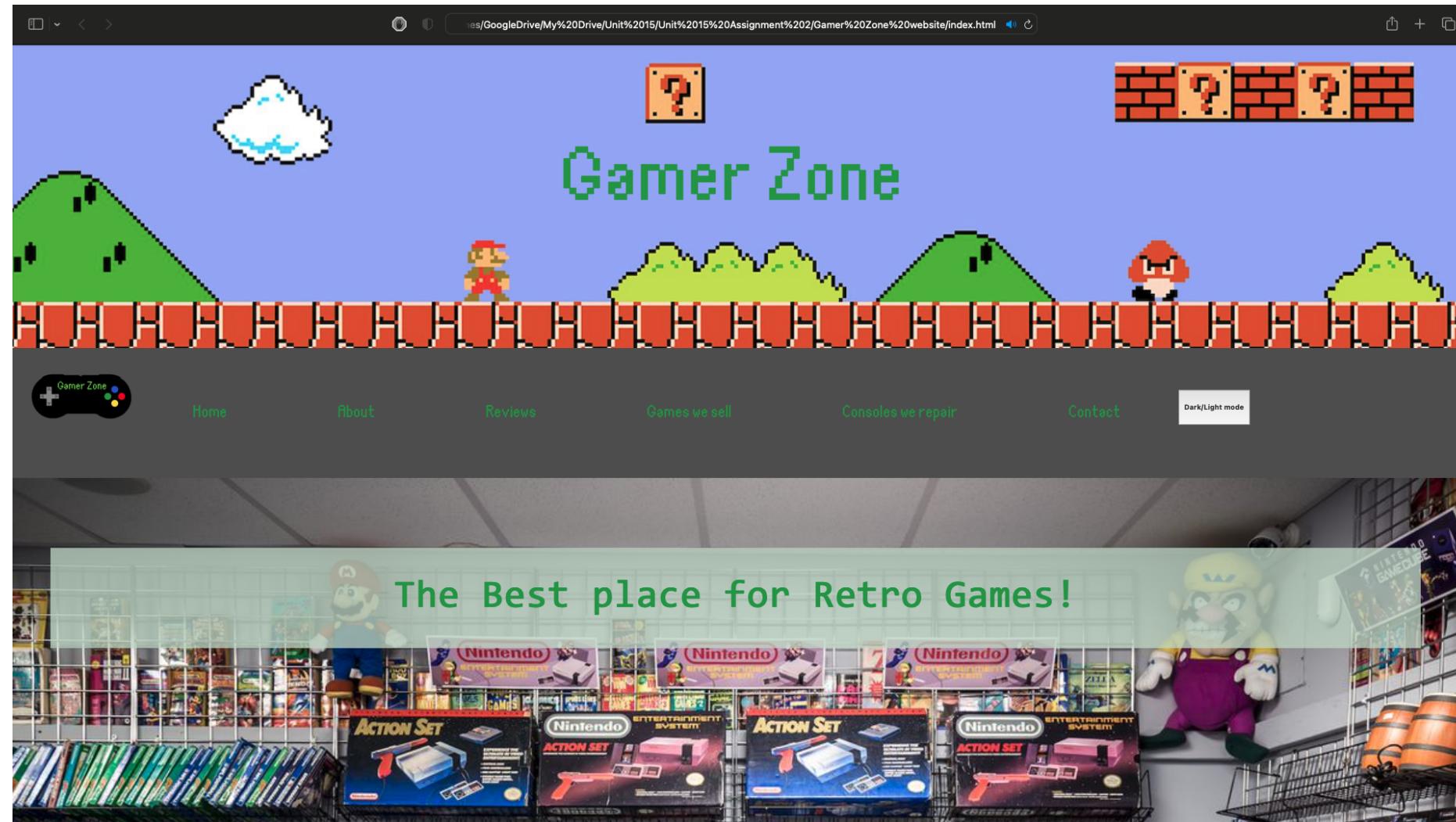
Opera



Chrome



Safari (Mac)



I have also included many different JavaScript elements into my website. On the home page, I have used a slider to show some recent reviews that people have posted on the website. This allows the user to scroll between some of the recent reviews. In addition to this, JavaScript is also used for my navigation bar. When the user clicks on the hamburger menu, the navigation bar appears and once they click on the cross it then disappears. This is another Javascript feature that I have included. Through the website, a light and dark mode button is also using Javascript to change from light mode to dark mode. After talking with the client, they have asked me to include this feature so that the website can be more accessible for people. The slider also adds more interactivity to the website for the user and the hamburger menu feature allows the website to work across different devices, making it resize depending on the window size.

The website is also user-friendly and accessible as I have used media tags on my website so that it fits certain devices such as smartphones, laptops and bigger monitors. These are devices that the user would mostly use to access the Gamer Zone website and the client has asked me to include this into my website as well. This also means that the website can fit a minimum resolution of 1280 X 720 as well. I have also created a Gamer Zone logo for the client on the website, using PNG transparency with software called Pixelmator. Whilst I have not digitally enhanced any game images on the website, I have digitally enhanced all of the images of the consoles on the 'Console Repair' page to include a transparent background as well as crop the image used on the header so that it fits. These images are used effectively to show what the consoles look like on the website to make it easier for users to know what their console is.

As for a requirement that I have not met, this would be using other media to market the Gamer Zone business. Whilst I have made use of text and images to market Gamer Zone I have not used anything else such as videos or animations like the client has asked me to include. This makes the website less interactive as users could have watched a video of a review on a game or watched a trailer of a game to see if it was interesting to try. Overall however, I have met most of the requirements that the client has asked me to meet as well as design the website and their pages around the clients needs.

## User Feedback - Completed Website

I have sent a feedback form for my final website to 2 other people using Google forms. The questions I had sent were showing the annotated image of each of my pages on the website and the questions I had asked were what they thought was good on the website, as well as if there is anything that needs to be improved on the website. As well as this, I had also sent a question asking on a scale of 1-10 how they would rate the website.

The first response I had received for the home page was that the design was nice, but I should also blur the header text on the hero page like I did with the container of it. The Second response was just a thumbs up. This means that I should improve the header text as well on my website however I feel that it would make the header too difficult to read the text when it is transparents. It would conflict with the transparents box which I had added so that it would be easier to read the solid text in the background. The Second question was on my about page and the first response told me to use list or ul tags so that someone can get a summary of the website as people have short attention spans. The Second response was another thumbs up. I will add a list for a summary of what their about page is so that it's much easier for users to read what Gamer Zone does. As for the third question on the Review page, both of my responses were positive feedback.

This is the Home Page for the Gamer Zone Website, the first page that opens up when the user visits the website. Please state what you think is good about the page and what you like about it as well as tell if there is anything that needs to be changed to improve the homepage

2 responses

Very nice design. I suggest you apply blur to the title on the image 'The best place for retro games!'



This is the About Page for the Gamer Zone Website. A page that explains the Gamer Zone business and what they do. Please state what you think is good about the page and what you like about it as well as tell if there is anything that needs to be changed to improve this page.

2 responses

Make use of other elements such as the <ul> or <li> tags to make lists. People have short attention spans and a summary here and there would improve the readability and flow of the website browsing experience.



This is the Review Page for the Gamer Zone Website, A place where users can post and see reviews of games. Please state what you think is good about the page and what you like about it as well as tell if there is anything that needs to be changed to improve this page.

2 responses

Very nice, makes use of the grid layout. Nothing to change here.

Brilliant

As for the 4th question responses from the Games we sell page of the Gamer Zone website, I had received responses that the formatting is not very good. This is due to the filters page not being formatted correctly for mobile devices. In order to change this I will use either more padding or margin.

---

This is the Review Form for the Gamer Zone Website, A place where users can post a review of a game that would be uploaded to the website. Please state what you think is good about the page and what you like about it as well as tell if there is anything that needs to be changed to improve this page.

2 responses

All is good, but i should suggest that the form on mobile is very small, and I recommend removing margins or padding on the left and right allowing for more space.

Well formed

The final three questions on my pages were all positive responses on each of my pages. This could be due to them being similar to each other and that they all load properly.

This is the Console Repair Page for the Gamer Zone Website, A place where users can see what Consoles Gamer Zone can repair and what some of the prices are. Please state what you think is good about the page and what you like about it as well as tell if there is anything that needs to be changed to improve this page.

2 responses

I think that it is fine the way it is as it reformats, and uses a space efficient grid layout for desktop

Usefull

This is the Repair form Page for the Gamer Zone Website, A place where users can submit a repair to Gamer Zone so that their console can be repaired. Please state what you think is good about the page and what you like about it as well as tell if there is anything that needs to be changed to improve this page.

2 responses

Very simplistic and user friendly, nothing to change here

Again well formatted forms

This is the Contact Page for the Gamer Zone Website, A place where users can contact Gamer Zone for anything or if they require help. Please state what you think is good about the page and what you like about it as well as tell if there is anything that needs to be changed to improve this page.

2 responses

It is very good in my opinion

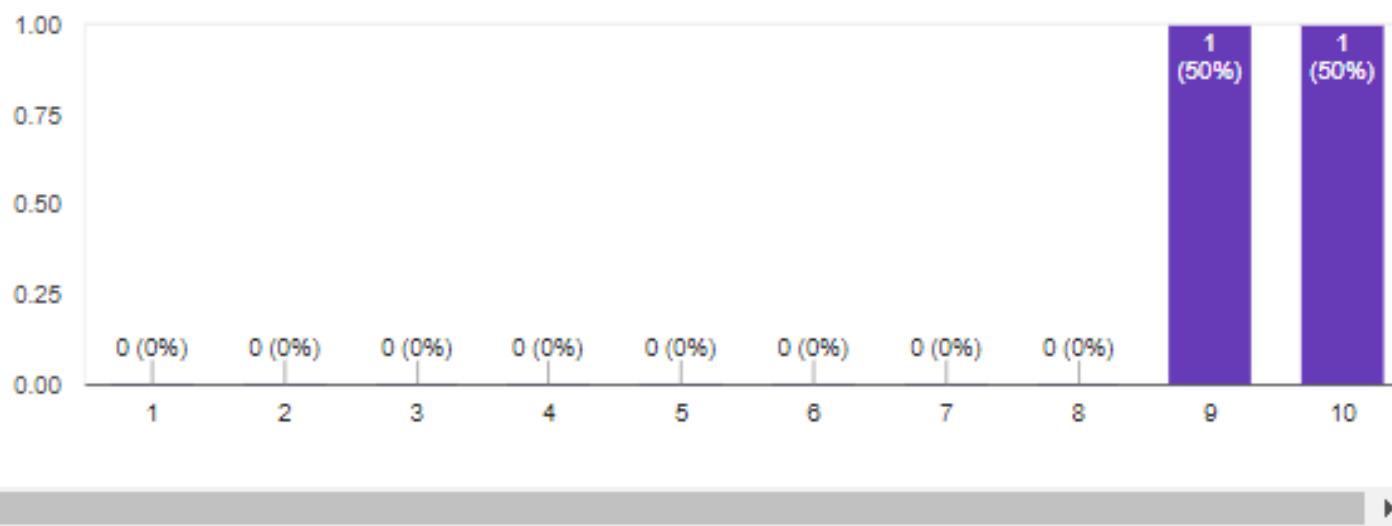


The final question was rating my website on a scale of 1-10 in terms of how it looks overall. I had received positive feedback of scores from 10 and 9.

Thank you for your time for completing this Form! I just have one final question, on a Scale of 1-10 what would you rate the Gamer Zone website overall (1 being the worst and 10 the best)

Copy

2 responses



## Details of Changes Made Following Testing and User Feedback

During my time developing the Gamer Zone website, I have been faced with many different challenges with functionality of the website. In some cases, the element was not working as expected on the first go and through running tests and getting feedback from users, I have optimised changes to the websites to meet their needs.

One of the changes I had made on the website was with the navigation bar. At first, when you resize the navigation bar the elements inside of the bar did not resize along with it. This meant that the elements on the navbar would still remain the same except that it would be formed with the body background colour. In order to make sure to fix this problem, I had used a hamburger menu on my website for the mobile layout so that it is easier for mobile users to see everything in the navigation bar and made sure that as the elements resize, I used a media tag to make them turn into the hamburger menu once the navbar hits a certain point. The end result has given a very easy to use navigation bar that does not have any other technical problems as well. This would also mean that the navigation bar would fit better for more devices, making it more compatible with them.

Another problem I have had was with resizing the search filters section on the 'Games we sell' page. When I resize the page only the container's width grows smaller but the text remains the same size. My Expected result was for the entire box to resize along with it, similar to the problem I had with the navigation bar. In order to solve this problem I had used media queries that would change the font size of the text as it got smaller. This end result may not be the most visually appealing or perfect, however it mostly appears to be fine on other devices and for resizing.

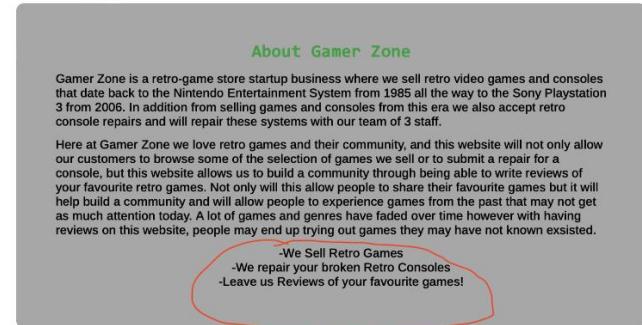
I had also experienced image rendering problems on the Repair page. To fix this problem I had redownloaded the assets used and imported them into the assets folder of vs code again. The hero text on the home page had also had positioning problems on the page. This was due to using

position float so I had changed it so that the text stays near the top of the hero page. The header image had also had problems with resizing, so I had added the text on top of the image and cropped it using photo software. The final test I had done was with the hyperlink text colour, where the text colour was the same. To change this I had added the text colour on the a tag which had fixed the problem.

After receiving user feedback, I have added a list on the about page to summarise the page in a few bullet points. This was a suggestion I had received due to the attention span that people may have. The other part of feedback I had received was to improve the mobile reformatting for the Games Page. I have then changed the filters section so that it is more supported for mobile devices.

## Annotated Screen Prints of the Optimised Website

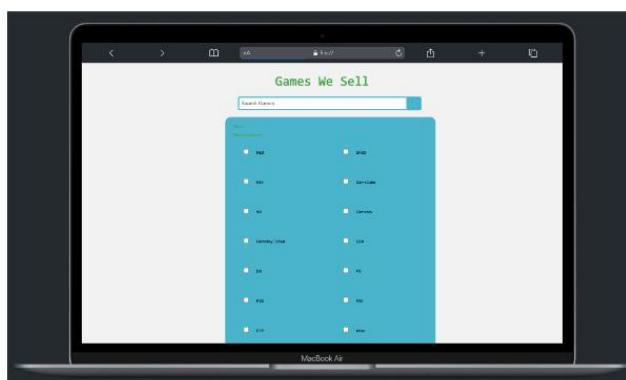
### About Page (Optimized)



```
<!--here-->
<section class="hero">
  <div class="hero-content">
    <h2>About Gamer Zone</h2>
    <p>Gamer Zone is a retro-game store startup business where we sell retro video games and consoles that date back to the Nintendo Entertainment System from 1985 all the way to the Sony Playstation 3 from 2006. In addition from selling games and consoles from this era we also accept retro console repairs and will repair these systems with our team of 3 staff.</p>
    <p>Here at Gamer Zone we love retro games and their community, and this website will not only allow our customers to browse some of the selection of games we sell or to submit a repair for a console, but this website allows us to build a community through being able to write reviews of your favourite retro games. Not only will this allow people to share their favourite games but it will help build a community and will allow people to experience games from the past that may not get as much attention today. A lot of games and genres have faded over time however with having reviews on this website, people may end up trying out games they may have not known existed.</p>
    <div class="cta-section">
      <ul>
        <li>-We Sell Retro Games</li>
        <li>-We repair your broken Retro Consoles</li>
        <li>-Leave us Reviews of your favourite games!</li>
      </ul>
    </div>
  </div>
</section>
```



# Games We Sell (optimized)



## Evaluation of the Design and Development of the Website

Overall I believe that I have effectively met client and target audience requirements throughout my project. I have effectively designed, developed as well as optimised my website for its purpose compared to alternate solutions. I have done this throughout all of the stages of my project and made sure to meet these requirements as much as I could.

When it comes to the design of the website and the design stages, the first one was the site map. I have used both of my site maps throughout my project, however I mostly took the layout of the second site map for the final website. Whilst I have used elements of both the site maps for my final website, the second site map is more accurate to my final website. I believe that this layout is more effective because it is more professional with including a contact page. A contact page would allow anyone to contact Gamer Zone for any other enquiries. In addition to this, most people would be going to Gamer Zone to repair their old retro consoles instead of buying them. Gamer Zone repairs old consoles so including a page where users can repair a console is more effective than using a page for a specific console. In addition to this, it would mean that I have met the client requirements more since Gamer Zone repaired retro consoles and it shows this part on the final website. This layout can also be more effective because it would mean that I would have completed the website in time. Due to time limitations, creating a page on a specific game or console would be time-consuming, instead, if I have a page for someone to send a repair form it would mean that they can send a console repair instead of seeing a console to buy. This would also mean that the user is able to interact more with the website due to having different forms to fill. I think the positives of using this site map compared to the other one was that it looked more professional for Gamer Zone and included more user interactivity. As for negatives of using this site map, it meant that I would have had to make a page on every single console for the console page and the contact and repair form would be included in one form document, which would make them clash with each other.

The mood board was the second part of the design stage for the website. I have used the second moodboard for my website design. The reason I have used this design compared to the second moodboard is because I have a variety of different fonts on it as well as showed some of the potential games to include on the Gamer Zone website. This also shows a variety of different consoles that Gamer Zone can sell as well as images of the Gamer Zone store that I used for my home page. This moodboard also links more to what the client requirements were as well as the user requirements as I have shown some retro games that Gamer Zone can sell, shown some of the consoles that Gamer Zone repair as well as include

different fonts that I can use on my website, which I have used to separate headings and paragraphs. In addition to this, I have also met client requirements through this mood board by showcasing different images that can be included on the Gamer Zone website. In terms of the benefits and limitations of this moodboard, the benefits are that I have used a variety of different fonts that could be used on the Gamer Zone website, showed a variety of games that can be seen on the Gamer Zone website as well as included some of the consoles that are shown on the website however the limitation of this moodboard was the use of colours. Compared to my final website, the use of colours is not very accurate and only links to what the Gamer Zone logo is and not the actual website. This is why I have changed the colours to be a little bit different on the final website.

As for the design for the storyboard and wireframe. The Second wireframe is the one I have used for my website. This has helped me when developing the website because it makes the website more visually appealing to the user as well as make it interactive. The first wireframe I had created did not include a banner section and included a contact section near the bottom of the page. I think the second one is better due to including a review section instead that shows recently posted gamerzone reviews. This makes the website more interactive as well as represents what Gamer Zone's purpose for the website is, posting reviews of retro games. A banner also makes the website more visually appealing and is good for representing the Gamer Zone company. The benefits of using this site map was that it makes the home page more interactive for the user with the use of a recent review page, fits to client requirements by using javascript for the recent review section and makes the website more visually appealing with the banner. As for the limitations of this wireframe, the use of a text box next to the image is not as visually appealing as using the text box in the middle with the image in the background. This was changed with the final website design. The storyboard has also helped me with what the pages for my website could potentially look like. The alternative storyboard for my website was used instead of the first one because it gives a better indication of what my final website could look like. This storyboard has shown a very consistent style across each page and fits client and user requirements more by creating a more user friendly and consistent layout across each page compared to the first storyboard. This would make the website meet target audience and client requirements more because some pages such as the contact and review submission page are featuring the same layout and the game collection and console page also include a similar layout with the page showing the different games and consoles as well as a search bar to search up specific content. I think the positives of this webpage are that some of the pages are consistent across each other, such as the contact and submit a review page as well as the consoles and game collection page, the storyboard also includes a variety of different elements such as containers for reviews, search bars and filters for search results and searching for things is easy on

the storyboard with the amount of search bars and category filters there are. As for the limitations of this storyboard, some of the search bars are not consistent in size, such as the one from the reviews page is different to the one on the consoles page and that the console's page is not very well drawn on the storyboard.

When it comes to the website that I have made for this project, I believe that I have been able to meet target and client requirements effectively to produce this website. When it comes to the home menu I have made sure to create consistency throughout the entire website by including the navigation bar, header and footer all in the same location across each page. This would make it easy for users to navigate around the website which would meet target requirements since that is what the client would like and it would make navigation for the user easier. In addition to this I have also included a javascript feature across all pages of the website that changes the theme from light mode to dark mode as well as use javascript for the navigation bar of the website, where a hamburger menu is displayed and you can cross off the menu when the page is much smaller. This makes it more user accessible as some users may be using different devices and meets the client requirements of being user accessible as well as fitting a minimum of 1290 X 720 for older devices. The use of a light and dark mode button is also user friendly as it adds more accessibility features for the user. As for what went well with the homepage, I think the use of a retro font for the header, navbar and footer of the website fit quite well with the retro gaming theme that Gamer Zone has and the use javascript for the recent review page makes the website more interactive for users and for users on mobile devices, as they can scroll through these reviews similar to a touch screen layout. As for limitations of this homepage, I think the container for the header 'The best place for Retro Games' should be a bit smaller and should not take up most of the top space.

As for the about page, this page is very minimalistic and there isn't much to it, however it does a good job explaining what Gamer Zone do and who they are. The use of this container means that the website is very consistent as most hero sections of the website contain this grey container in it. As well as this the rounded edges of the container give a very minimalistic yet eye catching feel to them. After receiving user feedback, a user had told me to add a ul or list element to summarise the page. I have then gone and implemented this into the final website. The benefits of this page is that its very easy and clear for what it does for users and it fits its job however it is a little too minimalistic and I could have improved more with the list feature by putting it inside of a different container and by changing the text size, colours etc.

With the Game reviews page, I have included consistency through each of the review containers on the page. Each container features the box art of the game, the user's profile picture and their name on the top as well as a star rating from 1-5, a header to say what the game is called and what console it is on as well as a small paragraph on their thoughts of the game. Each one of these is the same size as each other and uses a grid layout. This makes the website consistent for users as well as meets client requirements by including retro game review information through the use of text and graphics such as the star rating. As for the benefits of this page, the use of a star rating system makes it easier for users to see what someone gave the game a review of from 1-5 as well as show their thoughts on a specific game. In terms of what didn't work well for this page, the star containers are a little bit too small and empty star icons are not featured. This is due to web resizing not working properly when resizing the page.

The review form, contact page and console repair form are all very similar to each other due to using mostly the same layout . All of these pages feature a container and are consistent by using the same size for the name, email address, last name etc as well as the extra content container and submit button. The use of a list to show things such as the console gamer Zone repair, consoles for different games and questions people may have also works nice to easily select these options and not have to type them in. Along with that the star rating that hovers on the review form works nicely to select what you would rate a game based from 1-5 stars. The benefits of these pages are the use of the list items to show different options as well as the star rating system for the review page however in order to improve these pages I could use PHP to actually submit the form.

The Games we sell page page has also used a consistent container size which makes the page and containers consistent and the use of a search bar and filters section makes searching on the website much easier and gives results for different games. I have also had to optimise the filters section on this page to make sure it uses less width. In order to do this I had increased the width of the checkbox elements so that the elements are more spread out. When it comes to the benefits of this page I believe that the use of a filters section and search bar makes searching easier and all of the game elements have a consistent style to each other however I can improve the filters section more to be optimised to the web page. I have had difficulty and problems trying to optimise it for each web page and whilst I have improved it after optimization it still is not perfect, however I believe it is still easy for users to select the filters section to filter between genres of games and consoles that they may be interested in, making it easy for them to search things up.

The consoles we repair page is consistent with the game review page where all elements are inside of containers and a button is in the middle to submit a console repair form. In addition to this I believe that this meets client and user requirements as the website features images of each console that Gamer Zone can repair and the prices for them, as well as include a hyperlink to a page to submit a console repair form. The use of images makes it easy to see information and each container creates consistency as they are all the same sizes. The benefit of this page is that each of the containers for the console are consistent and take up the same width and height each, however to improve this page I can change the font of the prices of the console repair to be more consistent with other fonts on the website.

Overall I have created and designed an optimised website that meets client and user requirements so that it is easy to navigate around, responsive to different web browsers and visually appealing. I have met almost all of the client requirements when creating the website by containing easy navigation across each of the 8 pages, contain game and review information using text and graphics, done tests to make sure it operates in different web browsers, contain multiple interactive javascript elements such as a light and dark mode button, make the website user friendly and accessible by making sure it operates correctly on different devices and is easy to read the text and images as well as fit a minimum resolution of 1280 X 720 for older desktop monitors. The website is also consistent, user friendly and interactive for users through the use of form pages, javascript elements and elements in the same position as each other as well as through the use of the same fonts, sizes and colours on most of the pages. The website designs have also helped me make the website through the use of potential ideas I could use, potential page layouts and potential web pages that I could have included for the Gamer Zone website that fit the theme for Retro gaming. Whilst there are some problems with some web pages and I have not met the client requirements for using other media to market the Gamer Zone brand, I have managed my time on the project to meet deadlines as much as possible in order to design and develop a website for the client requirements as well as the users requirements.

## Personal Work Log and Self-Evaluation

Website Planning, Design & Development		Dates												Comments															
		Week 1			Week 2			Week 3			Week 4																		
Task	Completed On Time?	12-Nov	13-Nov	14-Nov	15-Nov	16-Nov	17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov	24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov	1-Dec	2-Dec	3-Dec	4-Dec	5-Dec	6-Dec	7-Dec	8-Dec	9-Dec
Create questionnaire - client requirements	Yes																												
Obtain feedback from client about requirements for website	Yes																												
Complete Problem Definition Document	Yes																												
<b>Web Design Documents</b>																													
Create Site Map x 2	No																												
Create Mood Board x 2	No																												
Create Wireframe(s) x 2	No																												
Create Storyboard x 2	No																												
Create Flowchart/Pseudo Code for interactive element	No																												
Create questionnaire to obtain feedback about proposed website	No																												
Obtain feedback from at least 2 people	No																												
Analyse feedback received	No																												
<b>Content</b>																													
Create logo	Yes																												
SEO keywords and Techniques to be used	Yes																												
<b>Website Development</b>																													
Create website using website template	No																												
Take screen prints of the website and include annotations	No																												
<b>Website Testing</b>																													
Create test plan	Yes																												
Carry out testing	No																												
<b>Website Review</b>																													
Obtain feedback from the 2 people who provided feedback about the website proposal	No																												
Analyse feedback received	No																												
Create list of improvements to be made to the website	No																												
<b>Website Optimisation</b>																													
Make changes to optimise the website	No																												
Take screen prints of the optimised website and include annotations	No																												
Carry out a review of the optimised website	No																												

Overall I have not done the best job in completing my work on time and planning my time for the project, however I was able to recover and try to meet most of my deadlines a day after my deadline date.

In the first week of the project I was able to meet the required tasks on time. This is due to not having much other work to complete and I was asking the client for feedback for the project. As for the second week of the project, I had not met any of the set deadlines. This is due to prioritising other work instead and this meant I could not reach my deadlines in time, however I had tried my best and recovered through 1-2 days. In addition to this, I had designed and finished the first set of designs, however I had waited to finish everything before starting the next set of alternative designs. For the third week I was able to do the SEO keywords and create the logo on time however I failed with the development of the website. This reason was due to spending too much time on the homepage sorting problems such as the navigation bar, page resizing and css. This meant that a lot of my website was delayed and not completed on time. I had then completed the website within the second week with 2 days after my deadline on the 8th. I was only able to meet this deadline due to staying up till 3 in the morning one night to finish most of the pages for my website. With the final week I had spent the 8th and 8th working on most of the project doing extremely long hours. This is why I had given myself a non scheduled day on the 9th to recheck and in case I had missed a few days.

The biggest challenge was with creating the homepage for the website. I had run across multiple errors with resizing and the navigation bar and had spent most of the week working on the home page, this is why I had not met the deadline. I have also communicated on multiple occasions with the client and talked to them in a professional manner, using emails and forms to communicate with questions I may have had during the project. In addition to this I had also asked people and emailed them forms to give feedback using two people as well as tried to give another one to someone outside the organisation, however due to access restrictions I was not able to do this.

## References Guidance

**Please ensure that you provide references for all the sources you have used in the following format:**

**Books:** Surname, Initial. (Year of publication) Title. Edition if later than first. Place of publication: publisher. Series and volume number if relevant.

**Example:**

*Bell, J. (2014) Doing your research project. Maidenhead: Open University Press.*

**Websites:** Author surname, initial. (Year) Page title. Available at: URL (Accessed: Day Month Year)

**Example:**

Google (2022) Google terms of service. Available at: <https://policies.google.com/terms?hl=en-US> (Accessed: 29 April 2022)

## References

CSnewbs (2022) 4.2 - UK legislation, Available at: <https://www.csnewbs.com/ctech-4-1-uklegislation> (Accessed: 27th November 2022)