**Web and Mobile Technologies B9IS124**

**Lecturer Ehtisham Yasin**

**CA1 Develop a responsive web application, optimised for mobile, tablets and desktop devices**

**Group (2 members)**

**Student Name and Number: Sharon Farrell 10581193**

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# Introduction

On initial choosing of the group members for the purpose of tracking our completed works and making updates to the site when needed, Sharon Farrell set up a GitHub repository. Chinedu had difficulty accessing the repository, so his changes were imported manually into the project. We used Visual Studio Code IDE for writing the source code. All files were arranged for easy accessibility. Even though there was difficulty cloning the GitHub repository onto Visual Studio Code, any changes that were made were uploaded onto the source code on the GitHub Repository. We both made suggested names for the project and settled on the website name "FITHOUSE" hereby complimenting the website's actual purpose. We chose to use Visual Studio Code to complete the code. A folder was set up and all the files were laid out in an easy-to-read manner.

# Website Layout

## Fonts

We looked at several fonts which have been designed specifically for use with sports and fitness websites including Proxima Nova, Avenir, Grot 10, Uniform, Brandon, Grotesque and Mollen. [typ.ie] We choose Mukta font. The main font colour chosen is white smoke, antique white and grey on dark backgrounds and black and blue on white backgrounds.

## Colour scheme

When we researched fitness websites layouts and design, we noticed a lot of fitness and sports website used static dark colours, with this in mind we decided to use a gradient colour scheme for the header and footer of the site and a mix of these colours throughout the body of the page.

We used colorspace.com to generate the gradient. The mix of colours we used are purple, royal blue and tiffany blue. the gradient code is "background-image: linear-gradient (to right top, #361b85, #311e88, #2b218a, #23238d, #1a268f, #10379c, #0547a8, #0056b3, #0074c4, #008ec6, #00a5bf, #0abab5);"

The hex base colours are #361B85, #042992, #0ABAB5

On review of the gradients, we found that css gradient generator gave a nicer effect and with less code. This tool generated the gradient we chose to use on the webpage nabber header and footer. background: rgba(70,6,244);

background: linear gradient (90deg, rgba(70,6,244,1) 0%, rgba(111,2,241,1) 53%, rgba(124,34,195,1) 100%).

Tools used for this purpose https://cssgradient.io.

Physiological research has shown that the colour blue represents trust and stability while purple can symbolise power, luxury and ambition. A combination of these two colours into a gradient including the colour neon would give the users a feel of trust for the site. [Accessed 17 June 2022]

We decided on a plain which background for the main section of the pages to allow the products to be clearly shown and with a sleek approach.

The products could be selected by the click of a button which brought the user to the products page where the user could view the description of the products, see customer reviews, star ratings and prices and reserve the product.

## Website Layout

Using Adobe XD, we designed the first initial style. This design was tweaked as we designed and wrote the code. We designed a logo using Adobe Illustrator.

On reflection it was decided to keep the same layout and colour scheme in the following sections

- Navbar - with the company logo to the left, this is clickable with a pointer to bring the users back to the main page of the site. On the left of the nabber there are the site pages, when shown on a smaller screen an icon showing a hamburger menu icon which is clickable to show the list of pages. It was decided to have the background colour as a gradient of blue and purples mix. The navbar has a "Sticky" function which allows the user to scroll down the website and the navbar visible through the scroll.

- Header - included in the header is an image symbolising a fitness center. this is placed just above the header. In the main body of the header, we have used the same gradient as the navbar but changed the direction of the gradient. We have included the company tagline "FITNESS EQUIPMENT FOR THOSE SERIOUS ABOUT GETTING FIT. - TAILORED MADE FITNESS FROM THE EXPERTS". We have used a fade in function from AOS.css, this is an open-source product. We have also improved the design of the header with a tool to allow us to cut the bottom off the background colour giving its skewed effect. This was achieved with the "Clip-path functions and giving the block of colour and a polygon value of (0% 0%, 100% 0%, 100% 80%, 0% 100%)

- Main - the background is being kept white to give the page a sleek look to allow the products to become more visible. We choose to place the images and description with a 4link button in a card element. This was then placed into the container to hold the cards whiting a grid of 3. We also used the fade-up with a duration of 3000 effect on the cards when opening the webpage and scrolling down the products. The link on the products brings the user to the product page.

- Footer - Once again we used the gradient colour here and column function within a container to allow the footer to be divided into 4 blocks. Each block has a header description and links to relevant pages once the site is complete. The products link takes the user to the products page and the about us and contact link to the index.html page for now. In the footer we have included a subscription to our Newsletters tag. This allows the user to enter their email address to subscribe. If they don't enter an email, it will give a pop up asking for an email address.

- Dropdown - We have placed a dropdown button with links to some of the popular items.

The navbar, header and footer code are placed on all pages and is the same throughout the site.
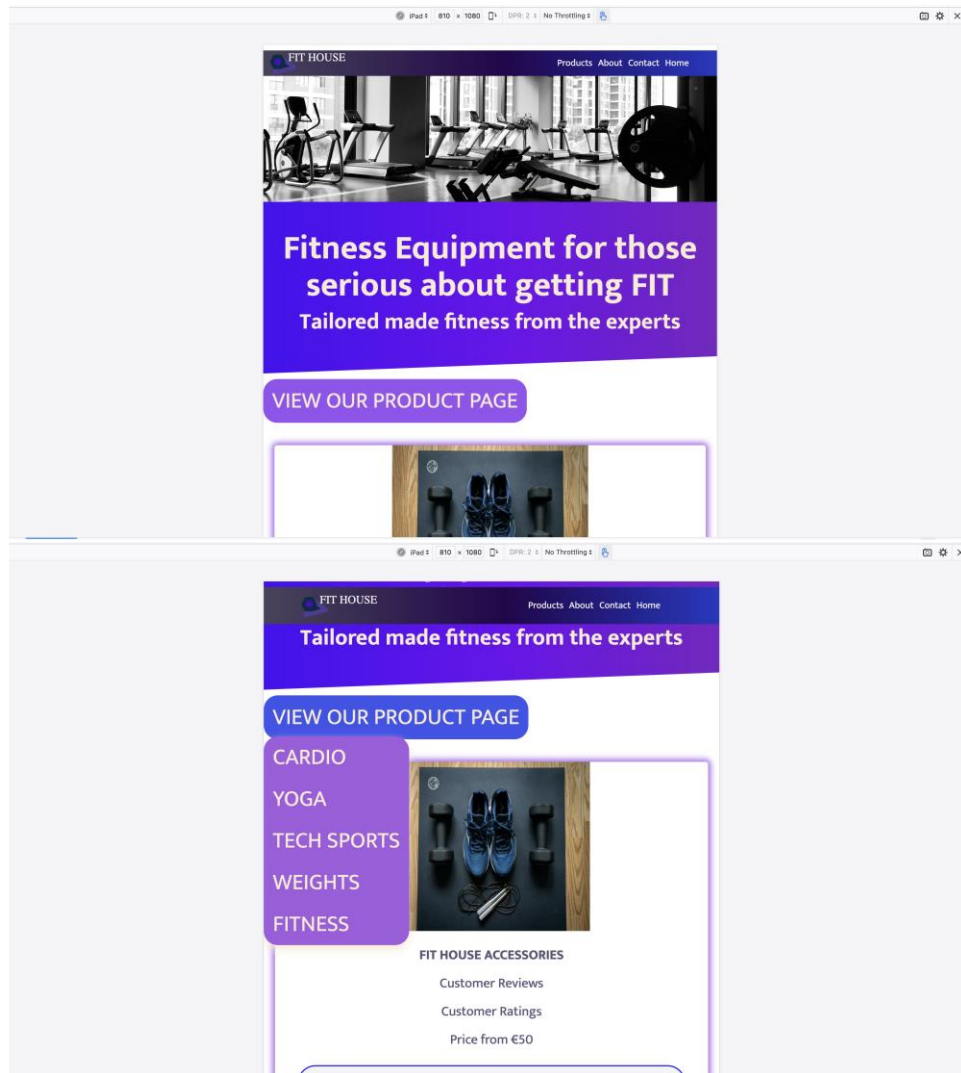
## Products Page

On the products we have a similar layout of main pages with the navbar, header, background image and footer all the same. The products have been placed into a container in a 3-grid and 2-grid layout. They have details of the products, customer reviews, ratings and pricing of the items. There is an option to click on the reserve button which gives the user a message telling them that the items have been reserved for them. A further function for this page would be to enable the user to follow up on the reserved item and purchase it. This is an additional page and would include a checkout and payment option.

## Testing

We set up a "testing.html" for functions on the site that did not work correctly to check each line of the code while deploying it on the live server in Visual Studio Code. This helped with checking different functions of the code on certain elements.
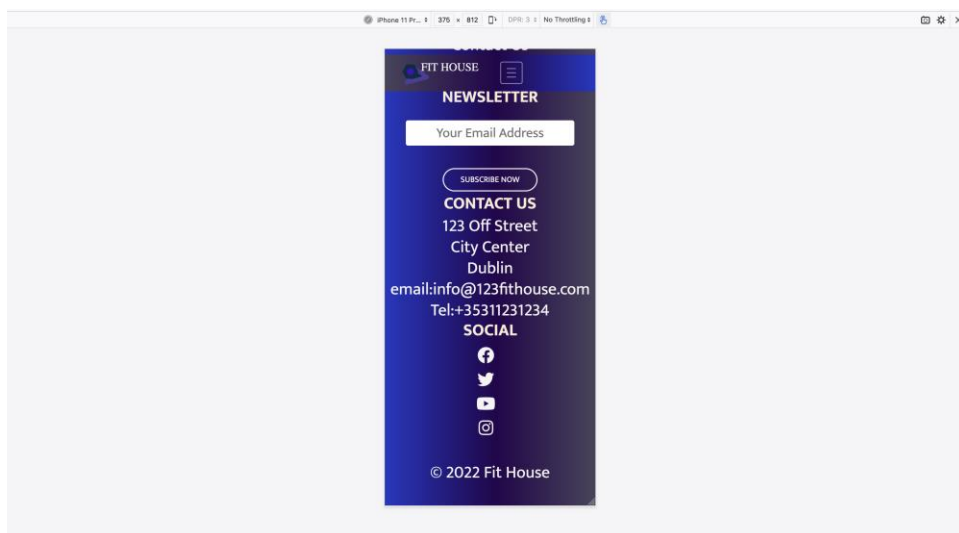
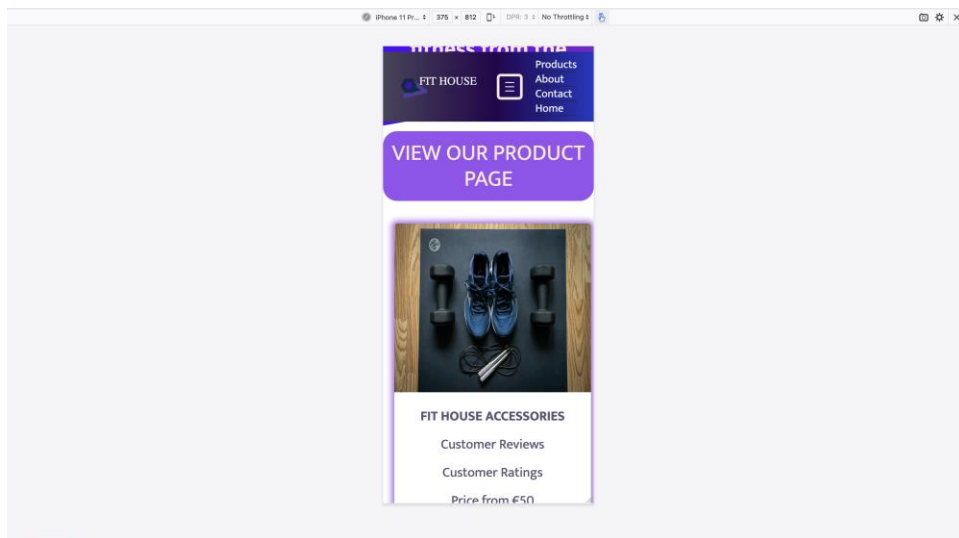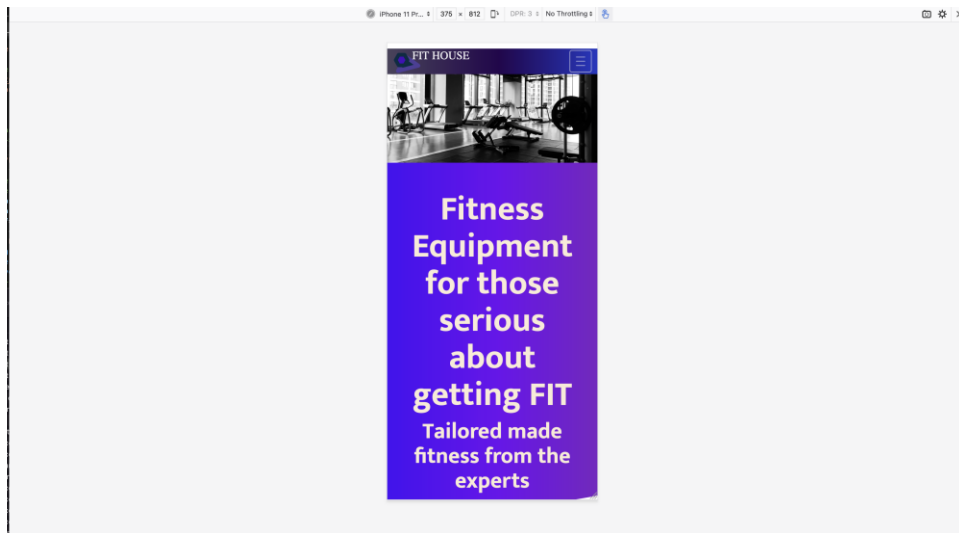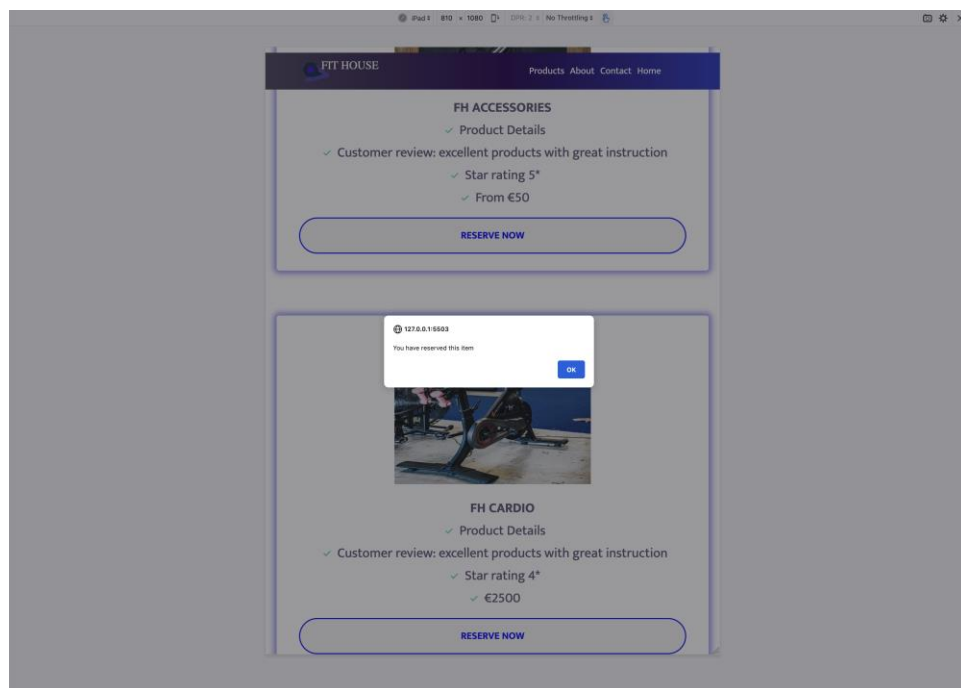Images of Fit House Website on different devices and testing screen shots.
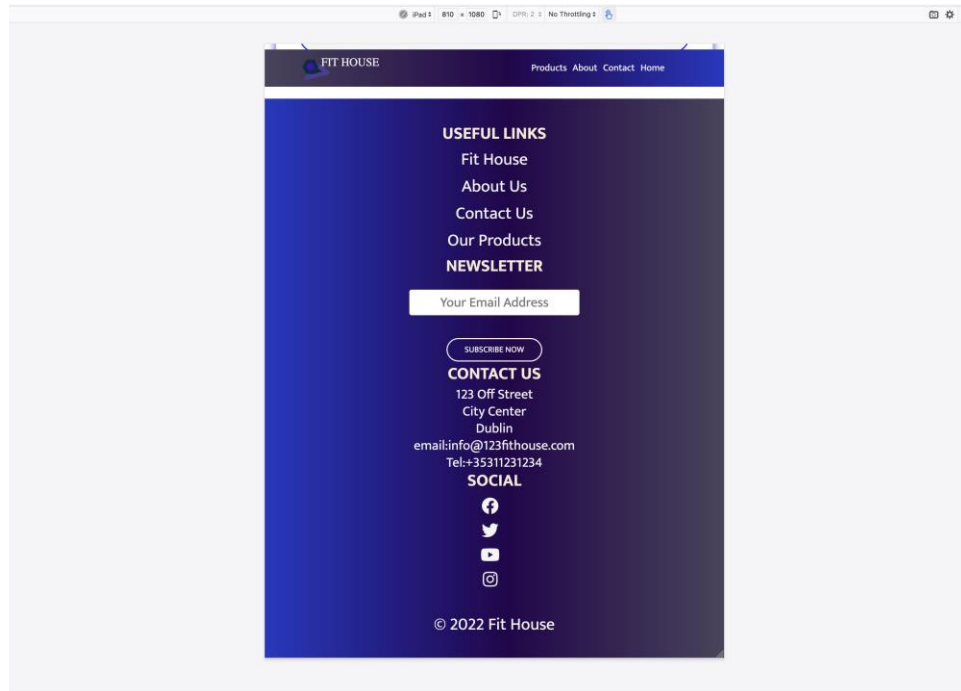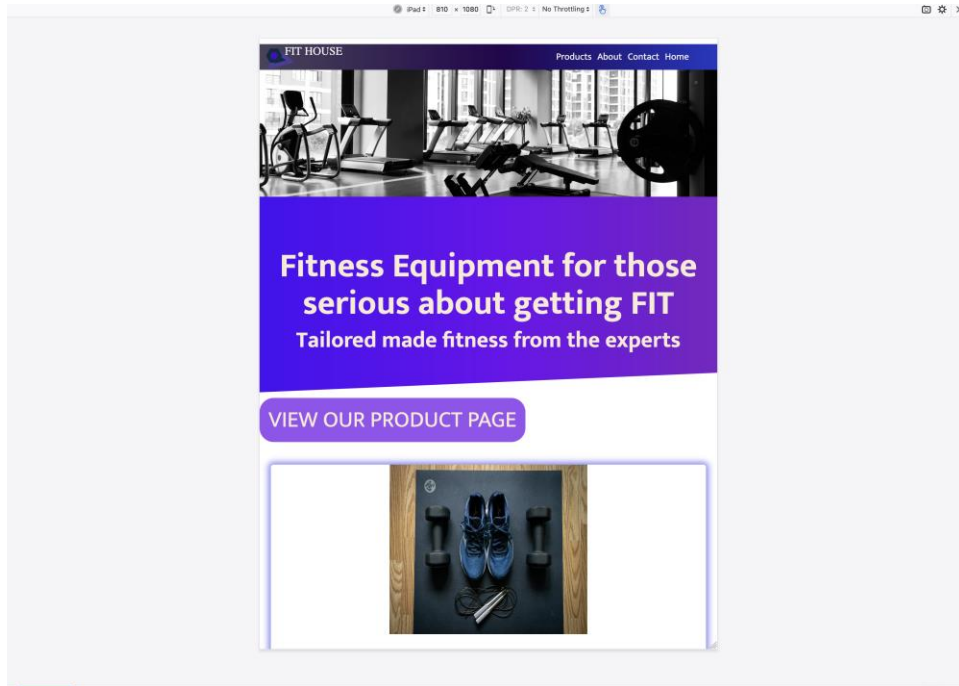
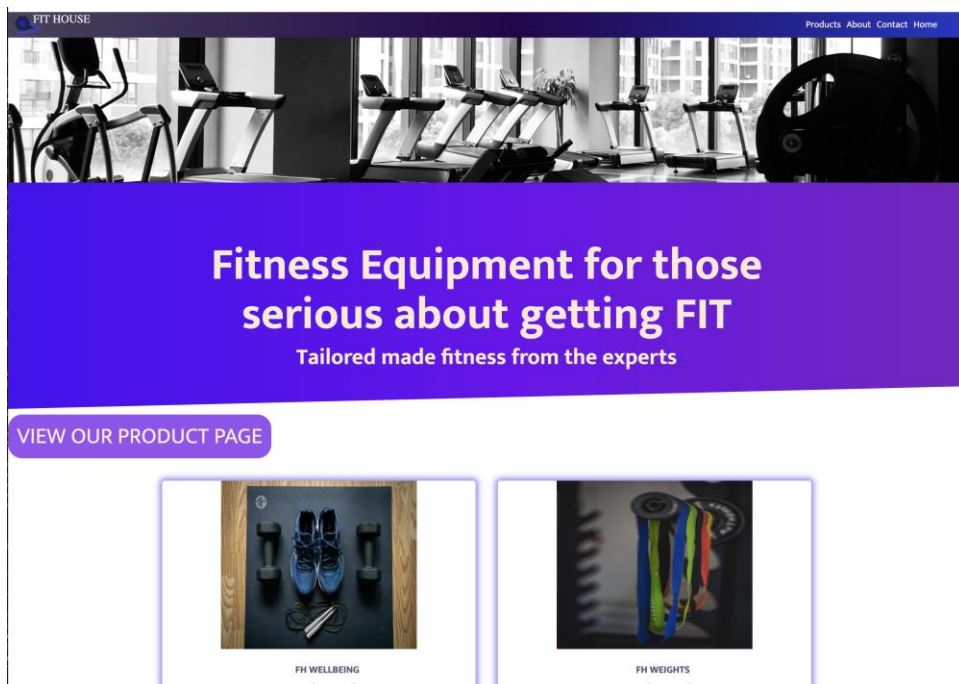iPad Screenshots
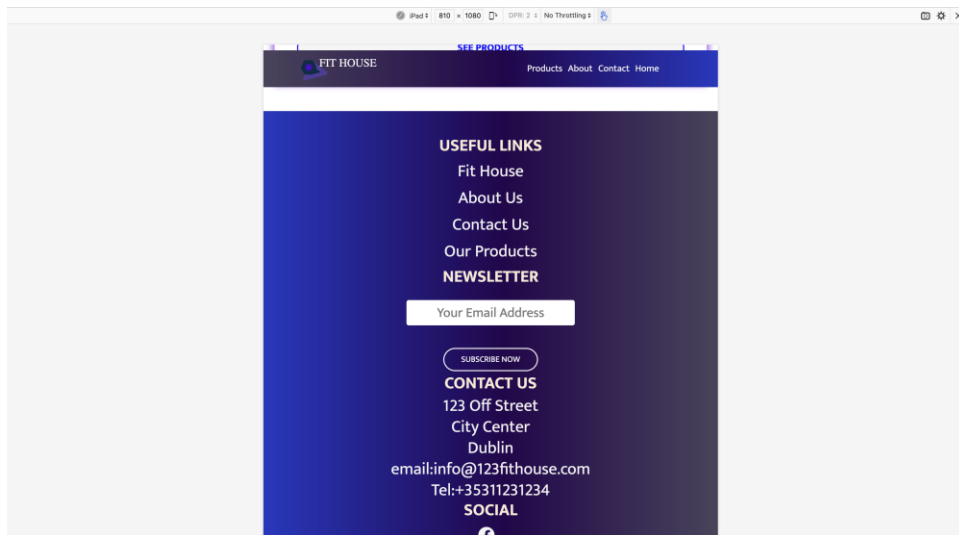
iPhone Screen shots

Screenshots of Products pages tested on all devices

Screenshots of some of the functions

Products  About  Contact  Home



**FH ACCESSORIES**

✓ Product Details

✓ Customer review: excellent products with great instruction

✓ Star rating 5*

✓ From €50

RESERVE NOW



**FH CARDIO**

✓ Product Details

✓ Customer review: excellent products with great instruction

✓ Star rating 4*

✓ €2500

RESERVE NOW



**FH CARDIO**

✓ Product Details

✓ Customer review: excellent products with great instruction

✓ Star rating 3*

✓ €1500

RESERVE NOW

**USEFUL LINKS**

Fit House

About Us

Contact Us

Our Products

**NEWSLETTER**

Your Email Address

SUBSCRIBE NOW

**CONTACT US**

123 Off Street
City Center
Dublin
email:info@123fithouse.com
Tel:+35311231234

**SOCIAL**

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127.0.0.1:5503/SportEquipmentCA1/products.html#

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GitHub Repository Links - https://github.com/SharonF11/SportsEquipmentCA1/tree/main

Student Name: Sharon Farrell          Group Member 1:

Student Number: 10581193

Student Name:  UCHE CHINEDU OBIALO Group Member 2:

Student Number: 10594644

Contribution to the project:

Sharon Farrell

I set up a GitHub repository and the file structure and imported all the images which were downloaded from open source sites.to work from which enabled us to track changes on the visual studio code. I sent the invite to Uche so that he could track and follow the progress of the site design and implementation. I used Adobe illustrator to design a logo, we both decided to call it "Fit House" just so we had something to go from. I researched the colours and fonts used on other fitness/sports sites and made some suggestions of these. Once this was decided I went and created a nice gradient effect for the header and footer. I made a simple mockup on adobe XD to see what the layout might look like. This was modified once I started writing the code and developing the site. This gave us the basis to follow the code and update it as I worked on the project. I implemented all the JavaScript elements and tested the functionality of these to make sure they worked. I used developer tools on Safari, Firefox and Chrome to view the web pages on different devices and tested the functions.

Uche Chinned

For the sake of tracking our completed works and making updates to the site when needed, Sharon Farrell and I set up a GitHub repository. I had difficulty accessing the repository, so my changes were imported manually into the project. We used Visual Studio Code IDE for writing the source code. All files were arranged for easy accessibility. Sharon Farell initially named the website "GYM STYLE" then Also Chinedu suggested to change the website name to "FITHOUSE" hereby complimenting the website's actual purpose, we chose to use Visual Studio Code to complete the code. After considering several fonts that were suitable for sports and fitness websites, we decided to go with Mukta font. Our font colours were black and blue on a white background and white smoke, antique white, and gray on dark backgrounds. Adobe XD was used to design the first style. On the products we have a similar layout of main pages with the navbar, header, background image and footer all the same. I worked on the products page and made sure the products have been placed into a container in a 3-grid layout. They have details of the products, customer reviews, ratings and pricing of the items. There is an option to click on the reserve button which gives the user a message telling them that the items have been reserved

for them. A further function for this page would be to enable the user to follow up on the reserved item and purchase it. This is an additional page and would include a checkout and payment option.

Signature Member 1: *Sharon Farrell*

Signature Member 2: __uche chinedu_____

## Reference

Advantage sport and fitness. 2022. COLOR PSYCHOLOGY & HOW IT AFFECTS YOUR FITNESS CENTER. [ONLINE] Available at: https://www.advantagefitness.com/blog-all/color-psychology-how-it-affects-your-fitness-center. [Accessed 17 June 2022].

## Tools -

Used in the design and implementation of FitHouse Website

- https://typ.io/tags/fitness
- https://mycolor.space
- https://cssgradient.io
- https://michalsnik.github.io/aos/
- https://codewithmosh.com
- GitHub
- Visual Studio Code
- Adobe XD
- Adobe Illustrator
- W3Schools