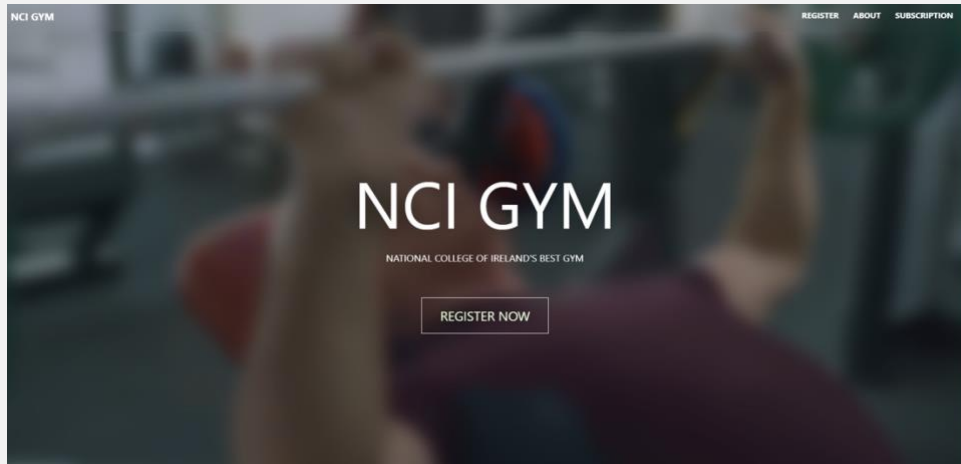


# NCI GYM



Repository:

<https://github.com/lmartins18/NCIWebDevProject>

Live website:

<https://lmartins18.github.io/NCIWebDevProject/>

---

Names of students

Luis Martins

George Carp

Date 2/10/2023

---

## Table of Contents

1. Executive Summary.....	1
2. Project Work .....	3
3. Design Process .....	4
4. Testing & Responsiveness.....	5
5. Conclusion.....	6
6. References .....	7

---

## **1. Executive Summary**

**Why did you decide on this idea, what problem are you solving, what is the market size, etc.? Provide an overview of your chosen company.**

### **Overview**

Our project focuses on the development and implementation of a website for the gym at our college. The gym serves as a part of our campus community, providing students and faculty with a space for physical activity and wellness. The website aims to improve the overall user experience, communication, and accessibility of gym-related information.

### **Reasons for Choosing this Idea:**

The decision to create a website for the college gym was due to a significant gap in information and communication within the existing system. Prior to the project, the gym lacked an effective online presence, complicating sharing information regarding schedules, classes, events, and updates. Our goal was to close this gap and provide a user-friendly platform that improves engagement and accessibility for the entire gym community.

### **Problem Addressed:**

The primary problem we aimed to solve was the inefficient communication and lack of a centralised informative place for gym-related activities. Students and faculty often faced challenges in accessing timely and accurate information about class schedules, special events, and facility updates. The lack of an online platform led to a disconnect between the gym administration and its users. Our website addresses these issues by providing a centralised, easily navigable platform that consolidates all relevant information.

### **Market Size:**

While our project is specific to the college gym, a broader market size can be understood by considering the increasing importance of fitness and wellness in society. The fitness industry has experienced substantial growth in recent years, with a diverse range of individuals actively seeking fitness-related services. The college gym, being part of this larger trend, serves a substantial market of students and faculty who prioritize physical health and well-being.

---

### **Key Features of the Website:**

1. **User-Friendly Interface:** The website has an intuitive, responsive design to ensure ease of navigation for users of all technical abilities.
2. **Information Centralization:** All relevant gym-related information, including schedules, classes, events, and facility updates, can be found in the same place.
3. **Interactive Features:** Incorporating features like news, class bookings, and the available subscription plans.
4. **Mobile Responsiveness:** Recognising the prevalence of mobile device usage, the website is optimised for various screen sizes, ensuring accessibility on smartphones and tablets.

### **Conclusion:**

Our decision to create a website for the college gym was to improve communication, accessibility, and user experience within the campus community.

By addressing the identified problems, we believe our project not only fulfils a need within our college, but also aligns with broader societal trends towards health and well-being. The website serves as a valuable tool to connect, inform, and engage the gym community, contributing to a healthier and more connected campus environment.

---

## 2. Project Work

Our team of two members collaborated efficiently to develop a dynamic and user-friendly gym website. The project work was divided into specific tasks, each contributing to the overall functionality and appeal of the site. We embraced the agile methodology, allowing for iterative development and continuous improvement.

Main Page (index.html) and Subscription Page:

I. Milestones:

- Initiation of the main page with a clean layout and navigation.
- Implementation of a subscription page with user-friendly card designs.

Deliverables:

- Completed index.html with responsive design.
- Subscription page featuring visually appealing cards for different plans.

II. JavaScript Mini-Game:

- Milestones:
- Integration of a JavaScript random gym-related scramble word guessing game.

Deliverables:

- Fully functional guess game enhancing user engagement.

III. About Page and Register:

Milestones:

- Creation of the 'About' page providing relevant information about the gym.
- Implementation of the registration functionality.

Deliverables:

- Completed 'About' page with engaging content.
- Registration page allowing users to sign up for gym access.

IV. Agile Development and Iterative Upgrades:

Milestones:

- Regular check-ins to assess progress and make iterative improvements.

Deliverables:

- Updated versions of the website showcasing continuous enhancements based on user feedback.

Our team employed the agile methodology to ensure adaptability and responsiveness throughout the development process. Regular sprint reviews allowed us to identify and address challenges promptly, leading to a more refined and user-centric end-product.

A significant aspect of our development process was dedicated to creating a pleasant user experience. We focused on simplicity and clarity in design, ensuring that users can navigate the website effortlessly. The attractiveness of the web page was a key consideration, aiming to captivate and retain user interest.

---

Client requirements:

Client Request: "Ensuring that our gym website works seamlessly across all browsers is crucial. Can you verify and optimise the website to be compatible with major browsers like Chrome, Firefox, Safari, and Edge?"

Client Request: "Our members use various devices to access the website. Let's make sure that the website is not just responsive but offers an enhanced user experience on smartphones, tablets, and desktops."

Client Request: "Maintaining a sleek and modern appearance is essential. Can we incorporate a dark theme throughout the website? It should not only look visually appealing but also contribute to a comfortable browsing experience."

Client Request: "Our members have a variety of devices. Can you assure that the website runs flawlessly on devices of different screen sizes and resolutions? It should adapt well to the diversity in our user base."

Client Request: "We occasionally host events at the gym. It would be great if we could integrate an events section on the website to keep our members informed about upcoming activities."

### **3. Design Process**

The NCI GYM website embraces a bold and dynamic colour palette to create an energetic and engaging user experience. The primary colours include:

- ❖ Nyanza (#e9ffdb): A vibrant green, representing freshness and vitality.
- ❖ Orange (#FFA500): A deep, sophisticated shade providing a sense of strength and stability.
- ❖ Dark Gradient (Linear Gradient) background: transitioning from black to light grey, serves as a visual representation of the NCI GYM's commitment to the personal physical development of its potential users. The dark and sophisticated hues emphasize the gym's dedication to seriousness and professionalism in helping individuals achieve their fitness goals.

The selected fonts contribute to the website's readability and aesthetic appeal:

- ❖ Roboto (400, 700): Used for the main content, providing a clean and modern look.

- 
- ❖ CevicheOne (400, 700): Complementing fonts for special sections, adding a touch of attitude to our website.

The website features stylish and interactive buttons to enhance user engagement:

- ❖ NCI-GYM-container\_\_book-button: A call-to-action button with a subtle hover effect, inviting users to explore the various gym programs.

Carefully curated images play a crucial role in conveying the essence of the NCI GYM. High-quality visuals showcase the gym's facilities and atmosphere, enticing visitors to become potential members.

The navigation structure follows a clear and user-friendly design, with intuitive links and a responsive menu for smaller screens.

The design process began with detailed wireframes for each web page, ensuring a thoughtful and consistent layout.

For each wireframe

(<https://www.figma.com/file/yvH4nL5DnLwht7gg55kD9w/NCI-Gym-Wireframe?type=design&node-id=0%3A1&mode=design&t=2WQzRc9vOsKv6wEw-1>)

, we incorporated design patterns to optimize user experience:

- ❖ Navigation Bar: Follows the standard navigation pattern, ensuring easy access to different sections of the website.
- ❖ Card Layouts: Utilised in displaying gym programs and news cards, offering a visually appealing and organized presentation of information.
- ❖ Register Page: Uses standard navigation bar for easy access, clear and concise form fields for user registration.
- ❖ About Section: Like on all pages uses the same navigation for a good user experience and informative content about the gym's history, mission, and values.

Reasoning:

- ❖ Colour Psychology: The chosen colours align with the gym's theme, evoking positive emotions and motivation.
- ❖ Font Readability: Roboto was chosen for its readability, crucial for delivering information effectively.
- ❖ Interactive Elements: Buttons and hover effects were designed to make the website more engaging and user-friendly.
- ❖ Responsive Design: Media queries were employed to ensure a seamless experience across various devices.

## 4. Testing & Responsiveness

The JavaScript code provided includes a workaround for the Safari browser's restriction on video autoplay. Safari's policy prevents videos from playing automatically, requiring user interaction to initiate playback. The implemented solution involves checking the browser vendor, and if it is identified as Apple's Safari, the video element is removed, and a poster image is displayed instead.

---

The browser vendor is checked using `--navigator.vendor--`. If the vendor is identified as "Apple Computer, Inc." (indicating Safari), the video element with the ID `--myVideo--` is removed. Additionally, the hidden class is removed from an element with the ID `video-poster`, which likely serves as a placeholder or poster image for the video.

The provided Tailwind CSS configuration is like a customized blueprint for styling our website. It's designed to support dark mode, where the appearance adapts based on a 'dark' class. By specifying which files to process, it ensures that styling rules apply to both HTML and JavaScript components. The 'theme' extension is where we add a personal touch – introducing a new colour named 'clifford' and defining animations for a modern feel.

This setup goes beyond just styling; it contributes to the responsiveness of our website. The 'backgroundSize' customization, for instance, allows us to finely control how backgrounds scale. Overall, this Tailwind CSS configuration is like our stylistic command center, helping us create a visually appealing and responsive web experience.

## **5. Conclusion**

The collaborative efforts of our team resulted in a well-rounded gym website that not only meets but exceeds user expectations. The milestones and deliverables outlined above showcase the systematic approach taken to create a functional, engaging, and user-friendly digital fitness platform.--



---

## 6. References

Finance, B. &., 2015. *Flexible working worth €2.5bn to Irish economy*. [Online]  
Available at: <http://businessandfinance.com/news/flexible-working-worth-e2-5bn-to-irish-economy/>  
[Accessed 8 March 2023].

Pexels, 'Pexels', Pexels, Available at: <https://www.pexels.com/> (Accessed: 30 November 2023) full approach to content integration. [Accessed 30 November 2023].

Pexels, 'Pexels', Pexels, Available at: <https://www.pexels.com/> (Accessed: 11 November 2023) <https://www.pexels.com/photo/bodybuilding-close-up-dumbbells-equipment-260352/>

Pexels, 'Pexels', Pexels, Available at: <https://www.pexels.com/> (Accessed: 11 November 2023) <https://www.pexels.com/photo/man-holding-barbell-1431282/>

Pexels, 'Pexels', Pexels, Available at: <https://www.pexels.com/> (Accessed: 11 November 2023) <https://www.pexels.com/photo/barbell-on-the-floor-1552252/>

Pexels, 'Pexels', Pexels, Available at: <https://www.pexels.com/> (Accessed: 11 November 2023) <https://images.pexels.com/photos/931324/pexels-photo-931324.jpeg?auto=compress&cs=tinysrgb&w=1600>

Pexels, 'Pexels', Pexels, Available at: <https://www.pexels.com/> (Accessed: 11 November 2023) <https://www.pexels.com/video/weight-plates-and-dumbbells-in-a-gym-6389061/>

Pexels, 'Pexels', Pexels, Available at: <https://www.pexels.com/> (Accessed: 11 November 2023) <https://www.pexels.com/photo/a-building-with-glass-windows-10810460/>

Index video:

<https://www.pexels.com/video/an-older-man-lifting-weights-in-a-gym-3191884/>

Man on treadmill in “about page”:

---

<https://pexels.com/photo/an-on-treadmill-1954524/>

Code references:

<https://stackoverflow.com/questions/4338267/validate-phone-number-with-javascript>

## **7. Work Division**

The Project tasks were divided the following way:

Website Idea: George.

HTML 2 Pages – Index & Subscription: George

HTML 2 Pages – Register & About: Luis

Most Styling and Javascript was done by both equally.

The video presentation was done by both equally.

The presentation editing was done by Luis.

The wireframe was done by George.

The report was done mostly by George, except task 1 done by Luis.

The Deployment was done by Luis.