

B9IS124 - Web and Mobile Technologies

Lecturer: Ehtisham Yasin

MG Fitness Website

By

Team Data Sonic

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Introduction

MG Fitness Website is used for selling fitness products which responsive and compatible with all the device's it interacts with be it Laptop, Desktop, Tablet, Mobile, etc.

The website majorly consists of three html pages, one CSS styling page and one JavaScript page. The html pages are index.html, item.html and about-us.html.

In this, index.html acts as the home page of our responsive website, item.html is the page which is used to display all the detailed information about the products that the user likes and about-us.html page where user can find all the information about us including the form which can be used to reach us.

The styles.css file is used for the styling of our content and script.js file is used for displaying the products details dynamically and the search feature in our website is handled in this page.

Approach to the Problem

Our approach is to create three different pages with different layout as per our requirements, also all the pages should be responsive and compatible for all the devices.

We used bootstrap for enhancing our designs.

Home Page

Users will always land in our websites Home Page at the beginning, and this page will have the over-view of the products we sell, search bar for the users to search the required product and it has navigation button to About-Us page.

Also, it has a carousel feature to cycle through the images of the equipment's that we sell.

Item Page

The Item page is reachable only from the home page based upon the user interaction with the product which they like to view. This page will have all the details of the specific product such as images, videos, pricing, description, and important tags. Also, we have clickable button for the user to reserve the selected product.

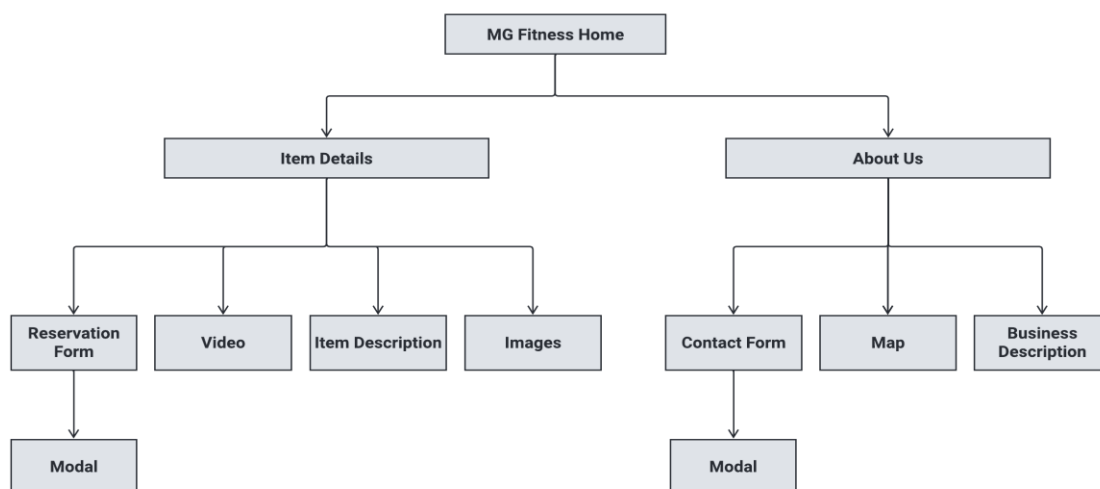
We have implemented Carousel feature for the Products images to cycle here to look more dynamic in nature.

And, from here we can navigate to both home page and about us page.

About Us Page

This page is used to give the information about our mission, navigation bar to navigate to Home page. Also, Section to Contact-Us for both reservations and enquiries along with our Maps Location.

Sitemap



Deciding the Layouts

The website is divided into three layouts homepage, detail page and the about us page. All the layouts have two things in common, which are the header and the footer.

Home page

The homepage consists of a header, body, and footer. Here the body consists of a list of items which are dynamically populated using JavaScript. The items are looped and are

created as columns in a row.

Here, we have used bootstrap features of column, so based upon the screen size the number of the items in each row will be updated.

Also, the images in the home page auto scrolls through the carousel features.

For example, for laptop each row will have 4 items and mobile 1 item page row.

Details page

The details page consists of a header, body, and the footer. Here the body is divided into two columns where the first column consists of an image slider displaying all the images for the product and the second column displays all the necessary details such as the price, rating, description, features, and a video.

It also provides a reserve button for the user to reserve a specific product by clicking on it and filling in the required details and submitting it.

About us Page

The about us page consists of a header, body, and the footer. Here the body is divided into 3 parts where the top part has the banner, after the banner we have a detailed description about the business and how it helps user needs.

It is then divided into two columns with a contact form on one side and a map embedded on the other side.

The contact form can be used by the user to fill in the details and raise a query by triggering an email.

Implementation Plan

For implementing the website, we have used following technologies HTML, CSS, JavaScript, Bootstrap and Query has been used.

HTML

HTML on the website is used to design the basic layout containing the header, footer and the basic body which is dynamically populated.

CSS

CSS on the website is used to style the entire website. Adding colours, borders, hovering animations, setting the width and heights, defining font styles, margins, paddings, background images etc.

Bootstrap

Bootstrap on the website is used to define certain predefined layouts such as the modal, carousel, cards, navigation and also adding colours, paddings and margins which will help in the responsive design.

JavaScript


JavaScript on the website is used to define all the dynamic functionalities and interactivity wherever it's necessary. Using JavaScript, we have dynamically populated our listings by looping through the elements in the array and created a detail page by finding the selected elements through query params and finding the selected item. Handling the reservation from by getting the values submitted by the user and displaying them in an alert and hide the modal.

jQuery


jQuery on the website is used to define a few dynamic and interactive functionalities like the search filter where the user can type and lookup for a particular product available in the listings and the other is when the user hovers on an image listing it adds and removes a border dynamically.

Screenshots





















Homepage


[Home](#)
[About Us](#)

WELLNESS GYM ACCESSORIES




Equipment

 Treadmill - €999	 Dumbbells - €49	 Exercise Bike - €799	 Rowing Machine - €899
 Weight Bench - €149	 Elliptical Trainer - €1199	 Kettlebells - €29	 Resistance Bands - €19
 Pull-Up Bar - €39	 Jump Rope - €9	 Suspension Trainer - €69	 Push-Up Bars - €19
 Exercise Ball - €19	 Foam Roller - €29	 Boxing Gloves - €69	 Punching Bag - €149
 Exercise Mat - €29	 Medicine Ball - €39	 Yoga Block - €12	 Barbell Set - €199

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Details

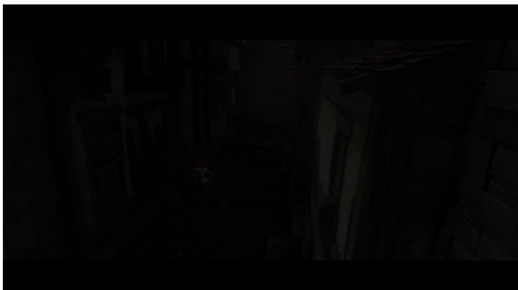


Weight Bench - €149

Rating - 4.1 **Adjustable Backrest** **Leg Developer** **Preacher Curl Pad**

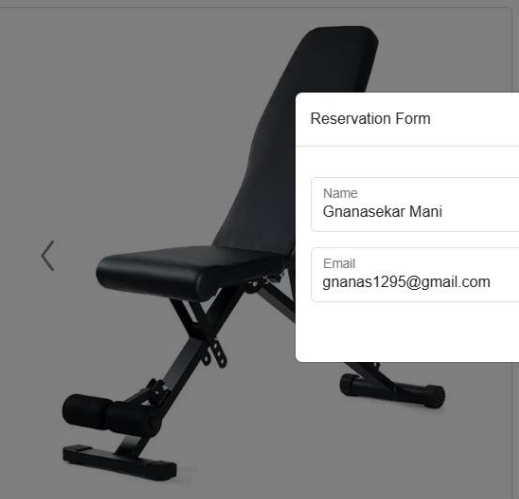
Introducing our versatile and durable weight bench, designed to provide users with a stable and comfortable platform for a wide range of strength training exercises. Whether you're a beginner or an experienced lifter, our weight bench offers the support and functionality you need to achieve your fitness goals effectively.

Experience the convenience and versatility of our weight bench. Whether you're looking to build muscle, increase strength, or improve overall fitness, our weight bench offers a reliable and effective solution for achieving your fitness goals from the comfort of your own home. Elevate your workouts and unleash your full potential with our premium weight bench today!



[Reserve Item](#)

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Weight Bench - €149

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Introducing our versatile and durable weight bench, designed to provide users with a stable and comfortable platform for a wide range of strength training exercises. Whether you're a beginner or an experienced lifter, our weight bench offers the support and functionality you need to achieve your fitness goals effectively.

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[Reserve Item](#)

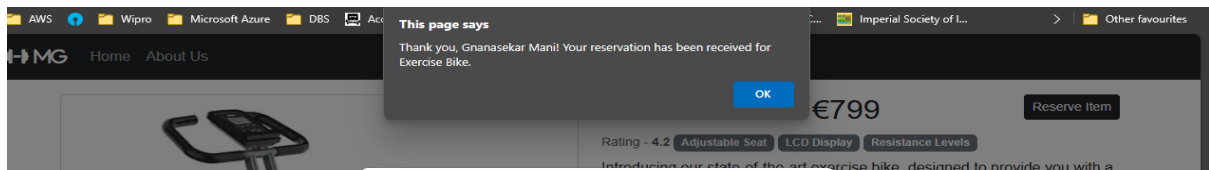
Reservation Form

Name
Gnanasekar Mani

Email
gnanas1295@gmail.com

[Reserve](#)

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About Us Page



Our journey began with a simple vision, to create a one-stop-shop where fitness enthusiasts can find premium-quality equipment to elevate their workout experience. With years of expertise in the fitness industry, we understand the importance of having reliable and durable equipment to support your fitness journey.

At MGFitness, we prioritize customer satisfaction above all else. Our dedicated team is always ready to assist you in finding the perfect equipment to meet your fitness goals. Whether you're a seasoned athlete or just starting your fitness journey, we're here to support you every step of the way.

What sets MGFitness apart is our commitment to excellence. We handpick each item in our collection, ensuring that only the best products make it to our shelves. From treadmills and dumbbells to resistance bands and yoga mats, we offer a wide range of equipment to cater to every fitness regimen and preference.

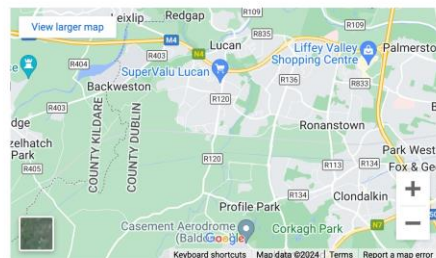
Contact Us

For inquiries or reservations, please fill out the form below:

Subject:

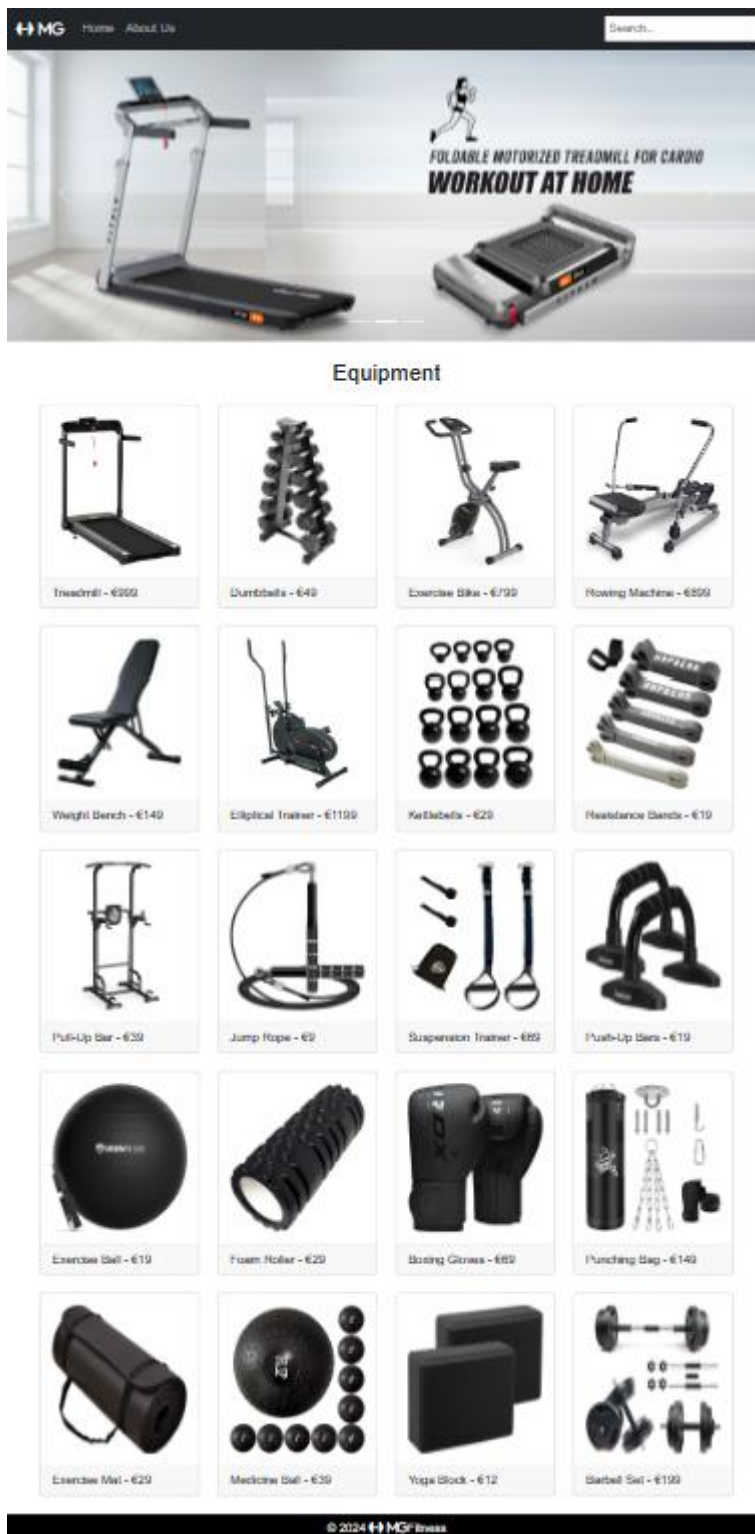
Message:

Send

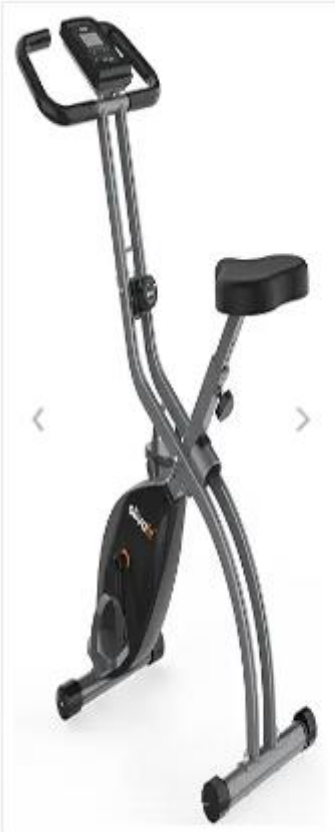


Sample Screenshots for Tablets

Home Page



Item Page




Exercise Bike - €799

Rating: 4.2 [Adjustable Seat](#) [LCD Display](#) [Resistance Levels](#)


Introducing our state-of-the-art exercise bike, designed to provide you with a convenient and effective way to improve your cardiovascular health and enhance your fitness level. With its sleek design and advanced features, our exercise bike offers a superior workout experience right in the comfort of your own home.


Experience the convenience and benefits of our exercise bike. Whether you're looking to improve cardiovascular health, burn calories, or increase endurance, our exercise bike offers a convenient and effective solution for achieving your fitness goals from the comfort of your own home. Elevate your workouts and transform your fitness routine with our advanced exercise bike today!



© 2024 HMG Fitness

About Us Page


[Home](#)
[About Us](#)



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Contact Us

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Subject:

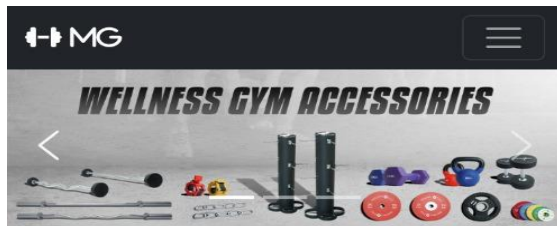
Message:



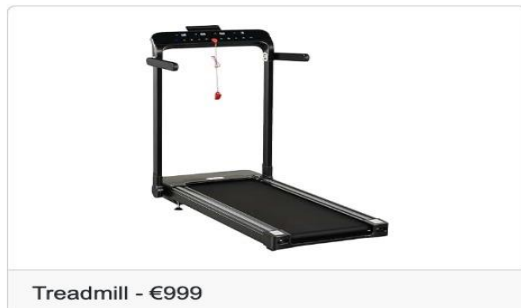
© 2024  MGP fitness

Sample Screenshots of Mobile

Home Page



Equipment



Item Page



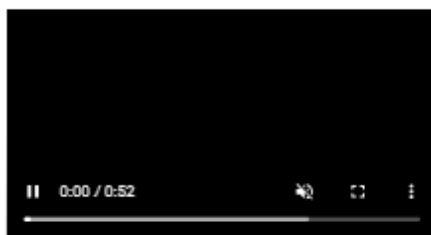
Dumbbells - €49

Reserve Item

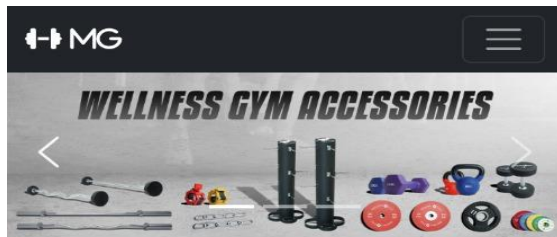
Rating - 4 Rubber Coated Various Weights
Hexagonal Design

Discover the versatility and effectiveness of our premium dumbbells, designed to sculpt and strengthen your muscles from the comfort of your own home. Crafted with precision and built for durability, our dumbbells are the perfect addition to any home gym setup.

Experience the convenience and effectiveness of our premium dumbbells. Whether you're looking to build muscle, increase strength, or improve overall fitness, our dumbbells are designed to help you achieve your goals efficiently and effectively. Elevate your home workouts and unleash your full potential with our high-quality dumbbells today!



About Us Page



Equipment



Treadmill - €999



Dumbbells - €49



Exercise Bike - €799

Conclusion

To Summarise, this is a website which the users can access from any device and will be having the best UI and UX experience to reserve a product.

Also, all the sections are handled in a way that everything is easily modifiable. It's easy to add images, addition of new products or updating of the prices of the products. Since, the website uses JavaScript to generate the products information in the homepage the change in the number of the items doesn't affect the functionality in terms of its looks.

On top of this, all the images and assets which are used in the website are referenced directly through external providers, so the website is not only responsive it's also easily movable from one server to another when it needs to be hosted on a different platform.

Hence, the website is both user and maintenance friendly.

References

Books: DUCKETT, Jon., 2014. JavaScript and jQuery : interactive front-end Web development. John Wiley & Sons.

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[HTML Tutorial \(w3schools.com\)](#)

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