

Fontys University Of Applied Science  
Fall Semester 2023

# Weyweyweb MALAGA

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## Overview

The weyweyweb is an event about the latest trends in regard to Web Technologies. It lasted for 2 days, the 23 and 24 of November 2023 in Spain. The discussed topics ranged of web programming, JS frameworks, web design, product design, mobile development, software architectures and best practices and web accessibility.

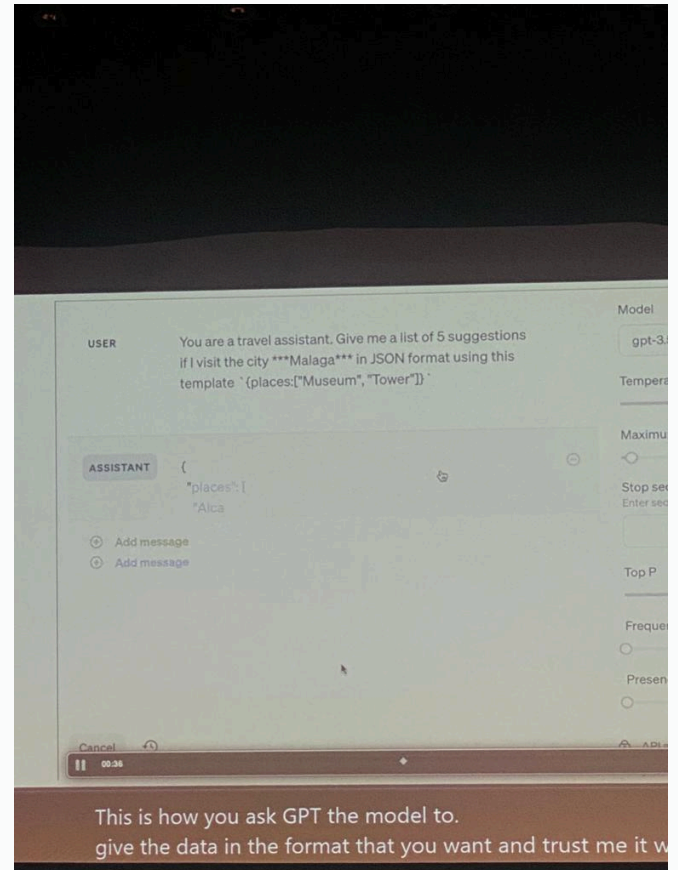
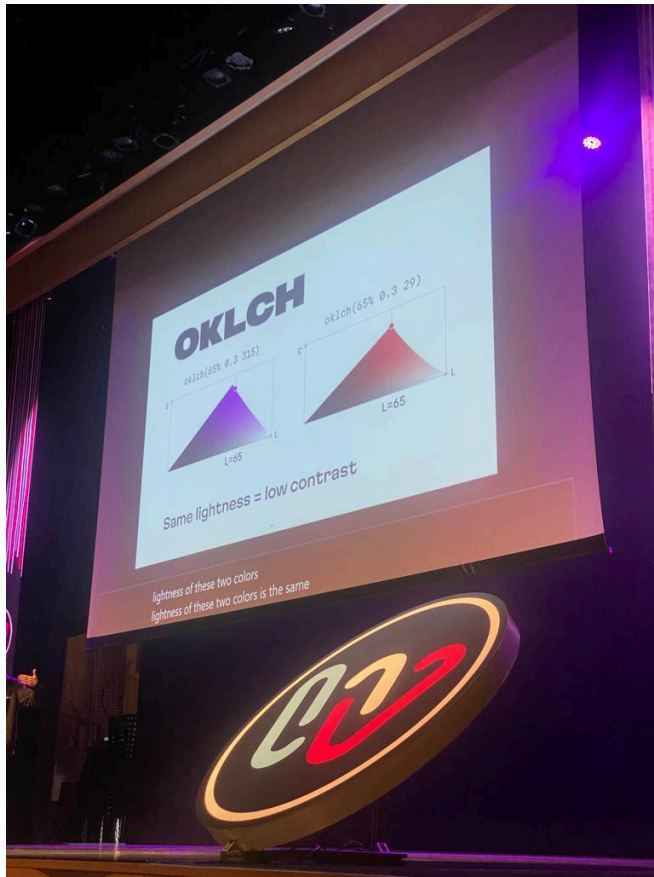
## The first day

The event started with receiving a wristband, a shirt and a cardholder having some information about me with what food I don't eat, a barcode for my portfolio and inside, a schedule of the topics and timing.

It was shocking that they started the event with a dancing team, it was shocking because it was 9 am. However, that was refreshing. The topics I listen to that day were:

- Auditing Design Systems for Accessibility by Anna E. Cook
- Adaptive Designs, Beyond Pixel Perfection by Stephanie Walter
- Sharing is caring: what to know before you build a Research Repository by Ju Iglesias
- Unlocking collaboration: A framework for developers and designers by Alicia Calderón
- 3 reasons to switch to OKLCH by Anton Lovchikov
- ChatGPT and AI for web developers by Maximiliano Firtman

Not all of them were useful for me, but the ones I valued and learned from were about the 3 reasons to switch to OKLCH and ChatGPT for web developers. What I learned from the OKLCH one is that it is better to use it if I want to have multiple themes for the website that it would be easier to change with, that it is consistent and better. However, that wasn't easy to use in the codes of React and Tailwind CSS I was planing to use. Additionally, the ChatGPT topic was useful because I was able to see how different a programmer can use it, with some codes and important symbols it was astonishing for me. I did not have the chance to use it this semester but hopefully one day.



## The second day

The second day I know to to be expecting, to me the topics more like a Tid talk, so it would be good to attend the talks that I was really interested on. Therefore what I attended that day was:

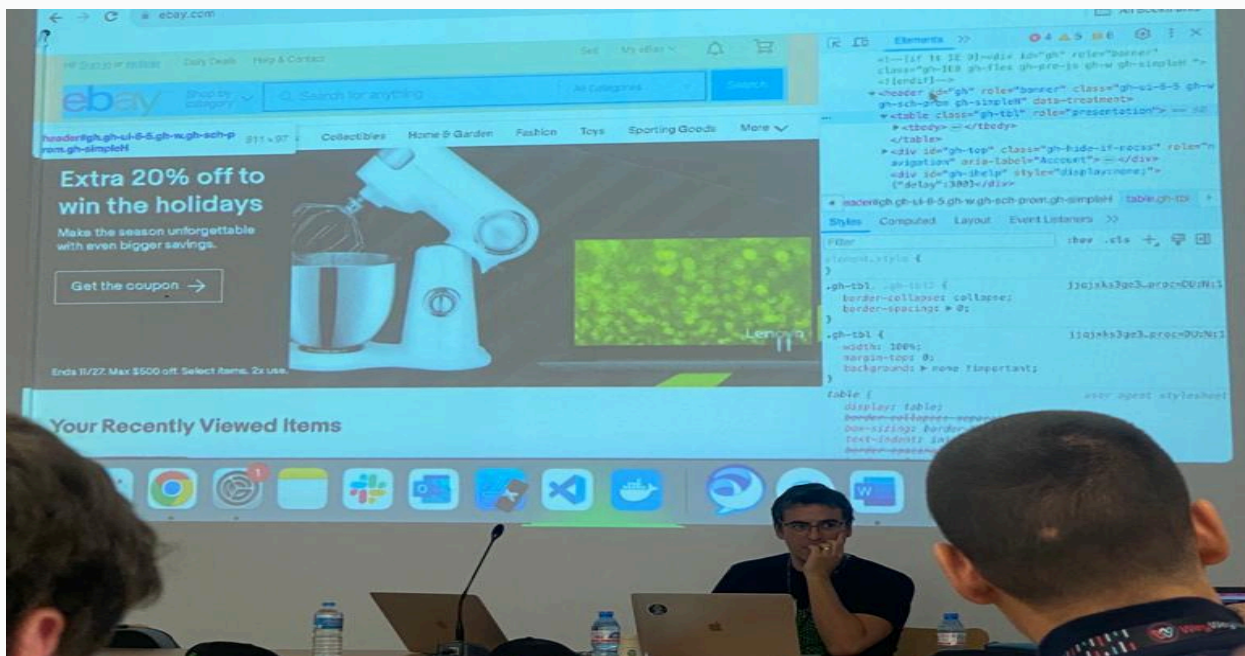
- 3D in the web, how hard can it be? By Sara Vieira
- Unlocking the power of HTML semantics: Crafting a more meaningful web by Beatriz Lavela and Juan Javier Moreno (Workshop)

However, I only liked the talk about 3D because it was more interesting for me. What I learned was actually impressive, she taught us by a live code, how to import the object, change the sizing and setting the lights to show it to on the website but that I already know. What was next was the most useful, she showed how to change the colors of a certain part of the object, changing different colors of different parts and then showed how to give it some animations. It was so useful for me because that I wanted to learn, she made everything look so easy.

## Workshop

11:40 12:20		Unlocking the power of HTML semantics: Crafting a more meaningful web Beatriz Lavela Juan Javier Moreno
12:30 13:10		

We had to walk to another part of the building, going through the museum and looking at some great artifacts. Reaching the room where the workshop was enriching, I could feel the vibe of Spain.



The workshop, I thought it wouldn't be that useful, as I know what is HTML, and I was sure I wouldn't learn something new, but I was surprised that the semantic HTML really meant something. Using that type of HTML real made coding faster and easier, I did not think it was possible.

The workshop started with explaining what is semantic HTML and then followed with a short exam to test if we understood, then we moved into doing some practices together that the speakers have prepared beforehand. What I learned:

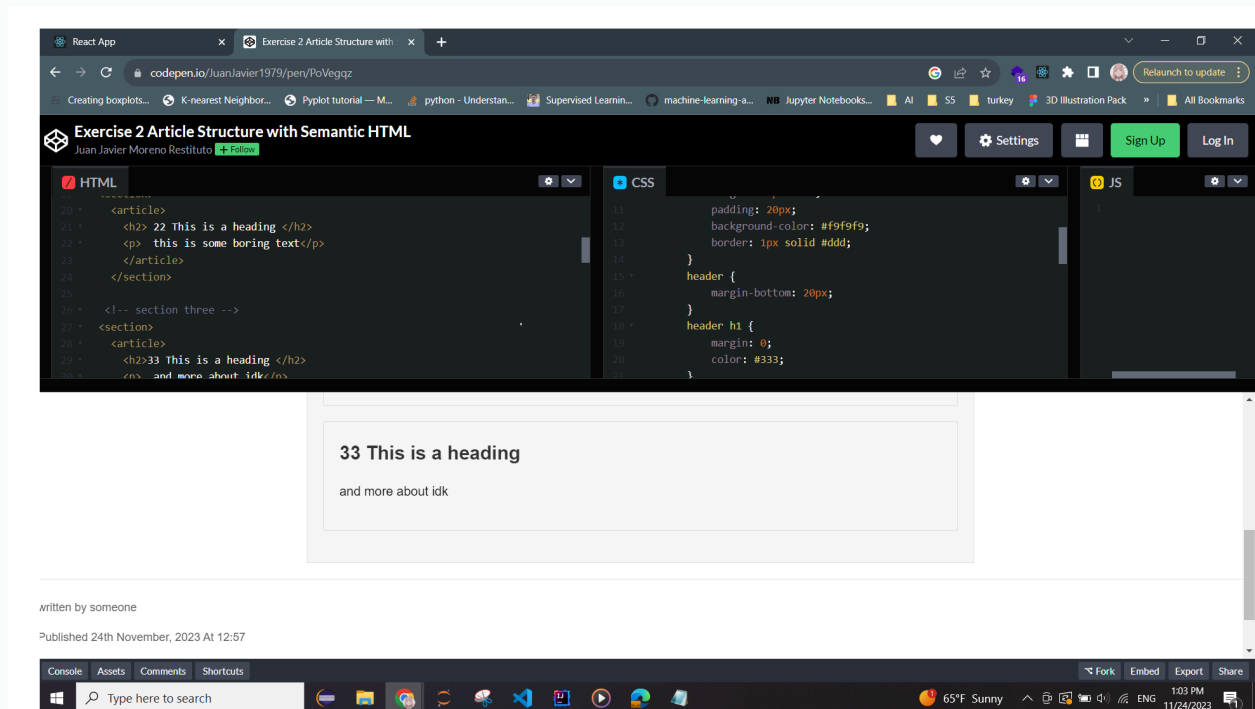
- Don't use the semantic HTML for styling.
- Section vs article => article has some meaning.
- Semantic HTML is easier for maintains.
- Semantic HTML is not <div> but <nav> <artical> <footer>... etc.
- A useful Google extension for HTML coders is headsmap.

In the below section I will show what were the questions, the codes and the results with the link for the practice.

## Links for the exercise

1. Exercise 1 : <https://codepen.io/JuanJavier1979/pen/YzBLMyP>
2. Exercise 2 : <https://codepen.io/JuanJavier1979/pen/PoVegqz>
3. Exercise 3: <https://codepen.io/JuanJavier1979/pen/RwvyORr>
4. Exercise 4: <https://codepen.io/JuanJavier1979/pen/RwvyOLR>
5. Exercise 5: <https://codepen.io/JuanJavier1979/pen/oNmdOpX>
6. Exercise 6: <https://codepen.io/JuanJavier1979/pen/xxMWQoN>

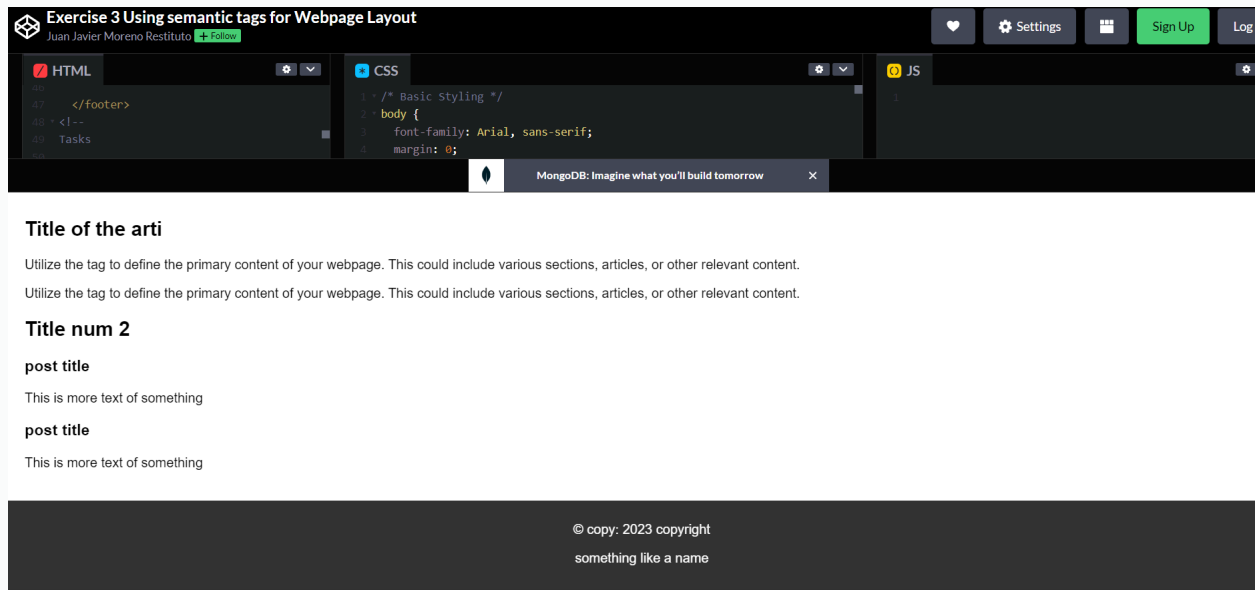
## Codes



### Exercise 2:

```
<body>
  <main>
    <article>
      <header>
        <h1>The importance of semantics </h1>
        <p>Written by Mars</p> </header>
```

```
<aside> sdfj </aside>
  <!-- section one -->
<section>
  <article>
    <h2>This is a heading </h2>
    <p> this is a <em>text that is half Itlac</em></p>
  </article>
</section>
<!-- section two -->
<section>
  <article>
    <h2> 22 This is a heading </h2>
    <p> this is some boring text</p>
  </article>
</section>
<!-- section three -->
<section>
  <article>
    <h2>33 This is a heading </h2>
    <p> and more about idk</p>
  </article>
</section>
</article>
</main>
<footer>
  <p>written by someone</p>
  <p>Published 24th November, 2023          At 12:57 </p>
</footer>
<aside>
  <h3> this is something </h3>
  and this is some text the follows
</aside>
</body>
```



### Exercise 3:

<body>

<nav>

<ul>

<li> <a href="/">Home</a></li>

</ul>

</nav>

<main>

<article>

<section>

<h2> Title of the arti</h2>

<p> Utilize the tag to define the primary content of your webpage. This could include various sections, articles, or other relevant content.</p>

<p> Utilize the tag to define the primary content of your webpage. This could include various sections, articles, or other relevant content.</p>

</section>

<section>

<h2>Title num 2 </h2>

<article>

<h3>post title</h3>

<p> This is more text of something </p>

</article>



```

        <article>
        <h3>post title</h3>
        <p> This is more text of something </p>
        </article>
    </section>
</ article>
</main>
<footer>
    <p>&copy; copy: 2023 copyright</p>
    <p>something like a name</p>
    <nav>
    <ul>
        <li> privacy police</li>  terms of services</li>
    </ul>
    </nav>
</footer>
<!--

```

## Tasks

### 1 Navigation Bar:

Use the <nav> tag to create a navigation bar. It should include links to different sections of your webpage or external pages.

### 2 Main Content Area:

Utilize the <main> tag to define the primary content of your webpage. This could include various sections, articles, or other relevant content.

### 3 Footer Section:

Implement a <footer> tag at the bottom of your webpage. It should contain information like copyright notice, contact information, or links to privacy policy/terms of service.

### 4 Structural Clarity:

Ensure that each semantic element is distinctly separated and serves its intended purpose, clearly distinguishable from one another.

```
-->
```

```
</body>
```



Exercise 4 Using <figure> and <figcaption> in HTML

Juan Javier Moreno Restituto

Follow

Settings

Sign Up

Log In

HTML

```

1 <p>Nature offers an array of stunning landscapes
2 and scenes. One such example is shown below:</p>
3 <figure> 
```

```
<!--
```

### Tasks

#### 1 Implement <figure> Tag:

Replace selected media within a <figure> element. If you're using an image, remember to include an alt attribute for accessibility.

#### 2 Add <figcaption>:

Directly below your media in the <figure> element, add a <figcaption> element that provides a descriptive caption of the media content.

#### 3 Contextual Integration:

Embed this <figure> element within a contextually relevant part of your web content. It should complement or enhance the text around it.

```
-->
```

```
<article>
```

```
  <h1>The Beauty of Nature</h1>
```

```
  <p>Nature offers an array of stunning landscapes and scenes. One
such example is shown below:</p>
```

```
    <figure>
      
```

```
    <figcaption>Hiking "Bosque de Cobre".</figcaption>
```

```
  </figure>
```

<p>This image illustrates the diverse and spectacular beauty found in natural landscapes...</p>

</article>

</body>

**Exercise 5 Distinguishing Between <section> and <div>**

Juan Javier Moreno Restituto
+ Follow

HTML

11 -->
12 Scenario 1: Group of Related Articles
13 Scenario 2: Navigation Bar
14 Scenario 3: Footer
15 Scenario 4: Widget with No Specific Thematic Content
16 \* <section>
17 \* <h2>title</h2>
18 \* <article>
19 \*     element 1 jdsfjjsl
20 \* </article>

CSS

1 \* nav ul {
2     list-style: none;
3     padding: 0;
4     display: flex;
5     justify-content: space-around;
6     background-color: #333;
7     }
8 \* nav a {
9     color: white;
10    text-decoration: none;

JS

1

MongoDB: Schema Design Best Practices

Scenario 1: Group of Related Articles
Scenario 2: Navigation Bar
Scenario 3: Footer
Scenario 4: Widget with No Specific Thematic Content

title

element 1 jdsfjjsl
element 2 ldsfjalksjdf
element 3 ldsfjalksjdf
smith not related
footer link

## Exercise 5:

<body>

<!--

### Tasks

#### 1 Scenario Analysis:

Review different content scenarios (e.g., a group of related articles, a navigation bar, a footer, a widget with no specific thematic content).

#### 2 Element Selection:

- For each scenario, decide whether to use a <section> or a <div> element.
- Explain your choice, focusing on the semantic meaning and purpose of each element.

#### 3 Implementation:

Create a simple HTML structure for each scenario using your chosen element. Include placeholder content to illustrate how each element is used.

-->

Scenario 1: Group of Related Articles

Scenario 2: Navigation Bar

Scenario 3: Footer

Scenario 4: Widget with No Specific Thematic Content

<section>

<h2>title</h2>

<article>

element 1 jdsfjjsl

</article>

<article>

element 2 ldsfjalksjdf

</article>

<article>

element 3 ldsfjalksjdf

</article>

<aside>

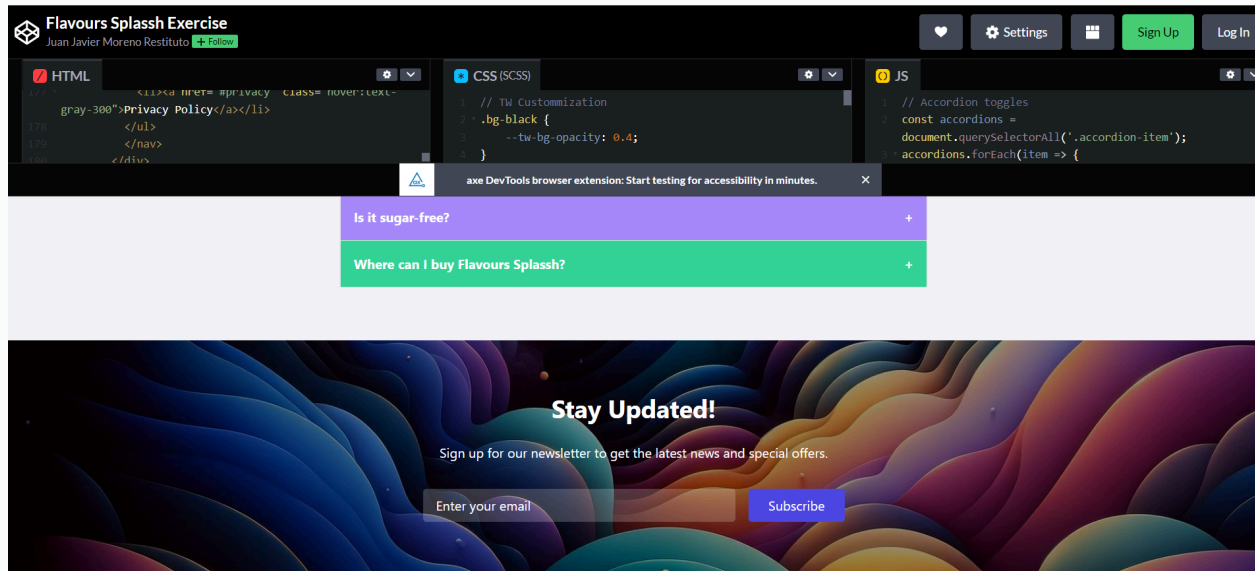
smth not related

</aside>

<footer> footer link </footer>

</section>

</body>



## Exercise 6:

```
<body class="bg-gray-100 text-gray-900">
  <header id="header" class="bg-white py-5">
    <div class="container mx-auto flex justify-between items-center px-6">
      <div>
        
      </div>
      <nav>
        <ul class="flex space-x-4">
          <li><a href="#products" class="text-indigo-600
hover:text-indigo-800">Products</a></li>
          <li><a href="#benefits" class="text-indigo-600
hover:text-indigo-800">Benefits</a></li>
          <li><a href="#contact" class="text-indigo-600
hover:text-indigo-800">Contact</a></li>
        </ul>
      </nav>
    </div>
  </header>

  <section class="relative text-white">
    
```

```

<div class="relative mx-auto px-6 py-16 bg-black">
  <div class="max-w-lg container mx-auto text-center">
    <h1 class="text-4xl font-bold mb-2">Welcome to Flavours
    Splassh</h1>
    <p class="text-2xl mb-4">the best flavoured vegan water!</p>
    <p class="mb-8">Hey there, <b>hydration enthusiasts!</b> 🙌
    Dive into a world where water isn't just water—it's a taste bud party!
    🎉 At Flavours Splassh, we're all about keeping it fun, fresh, and
    fabulously flavored. We believe that <i>every sip should be a
    celebration</i> 🥂, so we've crafted the best flavoured vegan water
    that's more than just a drink—it's a lifestyle. 🌿✨</p>
    <p class="mb-8">Whether you're a lemon lover, berry buff, or
    all about that cucumber calm, we've got your back (and your bottle!).
    So, why settle for plain when you can splash with flavor? <i>Let's make
    hydration the highlight of your day!</i> 💧🍌🍓🥒</p>
    <button class="bg-white text-indigo-600 font-bold py-2 px-4
    rounded">Where to buy</button>
  </div>
</div>
</section>

```

```

<section id="benefits" class="bg-gray-200 py-16">
  <div class="container mx-auto px-6">
    <span class="text-center text-4xl font-bold mb-2
    block">Benefits of our flavoured vegan water</span>
    <span class="mx-auto text-xl md:w-1/2 mb-6 block">Discover the
    enchanting world of flavored water and unlock its surprising benefits.
    At Flavours Splassh, we believe that hydration should be a delightful
    experience, and our flavored vegan water takes it to the next level.
    Here are the top five reasons why incorporating flavored water into
    your daily routine can revolutionize your well-being:</span>
    <div class="md:w-1/3 mx-auto text-lg">
      <p class="mb-2">1. <b>Hydration</b> with a Twist of Fun</p>
      <p class="mb-2">2. <b>100% Vegan</b> and Eco-friendly</p>
      <p class="mb-2">3. No added Sugars or Artificial flavours</p>
      <p class="mb-2">4. Infused with Natural Fruit Essences</p>
      <p class="mb-2">5. Available in a Variety of Flavours</p>
    </div>
  </div>
</section>

```

</section>

<section id="products" class="py-16">

<p class="text-3xl font-bold text-center mb-10">Our Products</p>

<div class="container mx-auto grid grid-cols-1 md:grid-cols-3 gap-4 px-6">

<!-- Product items -->

<div class="bg-white rounded shadow p-6">



<p class="font-bold text-xl mb-2">Lemon Zest</p>

<p>Experience the zing of Lemon Zest! Refreshing and zesty taste that revitalizes your senses. Perfect for a sunny day.</p>

<a class="add-to-cart mt-6 px-6 py-2 rounded bg-indigo-600 hover:bg-indigo-700 focus:outline-none transition duration-300 inline-block cursor-pointer text-white">Add to cart</a>

</div>

<div class="bg-white rounded shadow p-6">



<p class="font-bold text-xl mb-2">Berry Blast</p>

<p>Dive into the Berry Blast! This energizing drink combines sweetness with a hint of tartness, making it a delightful treat for your taste buds.</p>

<a class="add-to-cart mt-6 px-6 py-2 rounded bg-indigo-600 hover:bg-indigo-700 focus:outline-none transition duration-300 inline-block cursor-pointer text-white">Add to cart</a>

</div>

<div class="bg-white rounded shadow p-6">



<p class="font-bold text-xl mb-2">Cucumber Cool</p>

<p>Savor the tranquility of Cucumber Cool. A hydrating and rejuvenating choice, ideal for relaxing moments or a post-workout refresh.</p>

<a class="add-to-cart mt-6 px-6 py-2 rounded bg-indigo-600 hover:bg-indigo-700 focus:outline-none transition duration-300 inline-block cursor-pointer text-white">Add to cart</a>

</div>



```
</div>
</section>
```

```
<section id="blog" class="bg-gray-200 py-16">
  <h2 class="text-3xl font-bold text-center mb-6">From Our
Blog</h2>
  <p class="text-center mb-6">Below you can find our three blog
posts.</p>
  <div class="container mx-auto grid grid-cols-1 md:grid-cols-3
gap-4 px-6">
    <!-- First blog item occupying two columns -->
    <article class="md:col-span-2 bg-white rounded shadow p-6">
      <picture>
        <source media="(min-width: 768px)"
srcset="https://i.ibb.co/hZ7thbQ/post-1-desktop.png">
        
      </picture>
      <h2 class="font-bold text-3xl">5 Benefits of Drinking
Flavoured Water</h2>
      <time datetime="2023-11-23" class="text-gray-500 text-sm
mb-2">Published on November 23, 2023</time>
      <p class="mb-4">Explore the world of flavored water and
discover its surprising benefits. From keeping you hydrated to
providing a tasty alternative to sugary drinks, flavored water is a
delightful choice for health-conscious individuals. Dive into our top
five reasons why adding flavored water to your daily routine can be a
game-changer for your wellbeing.</p>
      <p class="mb-4">Picture this: a refreshing burst of Lemon
Zest on a sunny day, the fruity explosion of Berry Blast, or the
tranquil coolness of Cucumber Cool. Flavours Splash is not just about
quenching your thirst; it's about transforming your hydration routine
into a celebration.</p>
      <p class="mb-4">Join us as we dive into the heart of flavored water
and reveal how each sip goes beyond mere refreshment. Discover why
health-conscious individuals are making the switch and embracing the
joyous world of our flavored vegan water.</p>
```

<p class="mb-4">Ready to embark on a journey where hydration meets flavor, and well-being takes center stage? Read on to uncover the magic behind our top five reasons why drinking flavored water can be a game-changer for your health and lifestyle.</p>

<a href="#" class="text-indigo-600 hover:text-indigo-800 font-bold">Read more</a>

</article>

<!-- Second blog item in the second column -->

<article class="grid grid-rows-2 gap-4">

<!-- Sub-row 1 -->

<div class="bg-white rounded shadow p-6">

<picture>

<source media="(min-width: 768px)"

srcset="https://i.ibb.co/xH8n1Zr/post-2-mobile..png">



</picture>

<h3 class="font-bold text-xl">How We Source Our Ingredients</h3>

<time datetime="2023-11-23" class="text-gray-500 text-sm mb-2">Published on November 10, 2023</time>

<p class="mb-4">Discover Flavours Splatsh's commitment to ethical ingredient sourcing. Learn about our sustainable practices for the purest flavoured water.</p>

<a href="#" class="text-indigo-600 hover:text-indigo-800 font-bold">Read more</a>

</div>

<!-- Sub-row 2 -->

<div class="bg-white rounded shadow p-6">

<picture>

<source media="(min-width: 768px)"

srcset="https://i.ibb.co/7nWdXgd/post-3-desktop.png">



</picture>

```
        <h3 class="font-bold text-xl">Refreshing Summer
Recipes</h3>
```

```
        <time datetime="2023-11-23" class="text-gray-500 text-sm
mb-2">Published on October 21, 2023</time>
```

```
        <p class="mb-4">Explore easy, delicious Flavours Splashh
recipes perfect for summer. Refreshing ideas for picnics, barbecues,
and relaxing days at home.</p>
```

```
        <a href="#" class="text-indigo-600 hover:text-indigo-800
font-bold">Read more</a>
```

```
    </div>
```

```
  </article>
```

```
</div>
```

```
</section>
```

```
<section id="faq" class="container mx-auto py-16">
```

```
  <h2 class="text-3xl font-bold text-center mb-10">Frequently Asked
Questions</h2>
```

```
  <div class="accordion-item overflow-hidden md:w-1/2 mx-auto px-6
closed">
```

```
    <h3 class="accordion-heading relative block bg-yellow-400
text-white font-bold p-4 shadow border-b border-grey
cursor-pointer">What are the flavours?</h3>
```

```
    <div class="accordion-item-content bg-white p-6">
```

```
      <p>Hey there! We've got some awesome flavours to tickle
your taste buds! Check out our Lemon Zest for a citrus kick, Berry
Blast for a fruity punch, and Cucumber Cool for a refreshing twist.
Each one is a unique adventure in a bottle!</p>
```

```
    </div>
```

```
  </div>
```

```
  <div class="accordion-item overflow-hidden md:w-1/2 mx-auto
px-6 closed">
```

```
    <h3 class="accordion-heading accordion-heading relative block
bg-purple-400 text-white font-bold p-4 shadow border-b border-grey
cursor-pointer">Is it sugar-free?</h3>
```

```
    <div class="accordion-item-content bg-white p-6">
```

```
      <p>Absolutely! We're all about keeping things healthy and
tasty. All our Flavours Splashh drinks are totally sugar-free. Enjoythe
```

natural goodness of our flavours without any added sugar. It's guilty-free hydration at its best!</p>

</div>

</div>

<div class="accordion-item overflow-hidden md:w-1/2 mx-auto px-6 closed">

<h3 class="accordion-heading accordion-heading relative block bg-green-400 text-white font-bold p-4 shadow border-b border-grey cursor-pointer">Where can I buy Flavours Splassh?</h3>

<div class="accordion-item-content bg-white p-6">

<p>Ready to dive into our delicious flavours? You can find Flavours Splassh at your local supermarkets, health food stores, and online. Check out our website for a store locator or to order directly from us. We're just a few clocks away!</p>

</div>

</div>

</section>

<aside id="newsletter" class="relative text-white">



<div class="relative mx-auto px-6 py-16 bg-black">

<div class="max-w-lg container mx-auto text-center">

<p class="text-3xl font-bold mb-6">Stay Updated!</p>

<p class="mb-8">Sign up for our newsletter to get the latest news and special offers.</p>

<form action="#" method="POST" class="flex flex-col sm:flex-row justify-center gap-4">

<input type="email" name="email" placeholder="Enter your email" class="w-full sm:w-auto flex-1 px-4 py-2 rounded bg-white bg-opacity-20 text-white placeholder-white focus:outline-none focus:bg-opacity-40">

<a id="submit-button" class="px-6 py-2 rounded bg-indigo-600 hover:bg-indigo-700 focus:outline-none transition duration-300 cursor-pointer">Subscribe</a>

</form>

</div>

```

    </div>
</aside>

<footer id="footer" class="bg-gray-800 text-white py-6">
  <div class="container mx-auto px-4">
    <div class="flex gap-6">
      <div class="w-full md:w-1/3 mb-4 md:mb-0">
        <h2 class="text-lg font-semibold border-b-2 border-gray-300
border-solid pb-4 mb-4">Flavours Splash</h2>
        <p>Refreshing the world, one sip at a time.</p>
      </div>
      <div class="w-full md:w-1/3 mb-4 md:mb-0">
        <h2 class="text-lg font-semibold border-b-2 border-gray-300
border-solid pb-4 mb-4">Quick Links</h2>
        <ul>
          <li><a href="#products" class="hover:text-gray-300">Our
products</a></li>
          <li><a href="#blog"
class="hover:text-gray-300">Blog</a></li>
          <li><a href="#faq" class="hover:text-gray-300">FAQ</a></li>
        </ul>
      </div>
      <div class="w-full md:w-1/3 mb-4 md:mb-0">
        <h2 class="text-lg font-semibold border-b-2 border-gray-300
border-solid pb-4 mb-4">Legal links</h2>
        <nav>
          <ul>
            <li><a href="#terms" class="hover:text-gray-300">Terms &
Conditions</a></li>
            <li><a href="#returns" class="hover:text-gray-300">Returns
policy</a></li>
            <li><a href="#privacy" class="hover:text-gray-300">Privacy
Policy</a></li>
          </ul>
        </nav>
      </div>
    </div>
    <div class="text-center text-sm mt-4">&copy; 2023 Flavours
Splash. All rights reserved.</div>

```

```
</div>  
</footer>  
</body>
```