



L4 - INTRODUCTION TO WEB AND DATABASE CONCEPTS

BSc SOFTWARE DEVELOPMENT

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Abstract

Requirements

MLC Dev is a Power Platform and software development consultancy. The Microsoft Power Platform is a low code / no code platform for mobile and web development within the Microsoft and Dynamics 365 environment. The MLC Dev website is meant as a means for potential clients to explore the possibilities of Power Platform applications and the potential benefits of employing the platform. The website would also need to allow clients to contact the business.

As the Power Platform is related to business processes and automation, the site is targeted to businesses and employees with the authority to purchase or implement new solutions. To attract new clients, it is necessary to demonstrate some previous work by means of case studies but also show an in depth knowledge of the tool being used. The services and case studies pages are designed to show what the platform is capable of and some of the solutions that have been accomplished previously.

Implementation

Screenshots

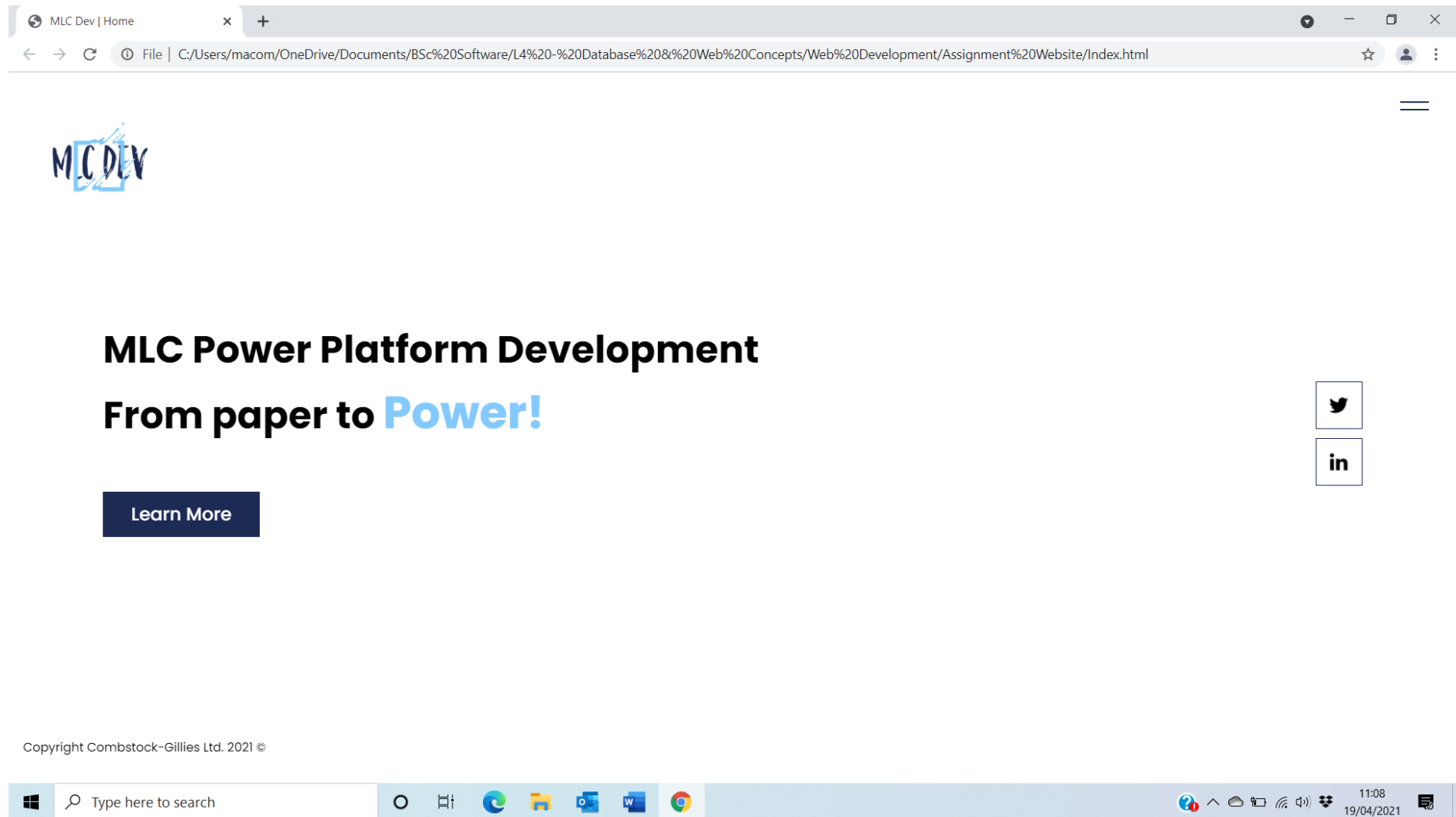


Figure 1 - Home Page

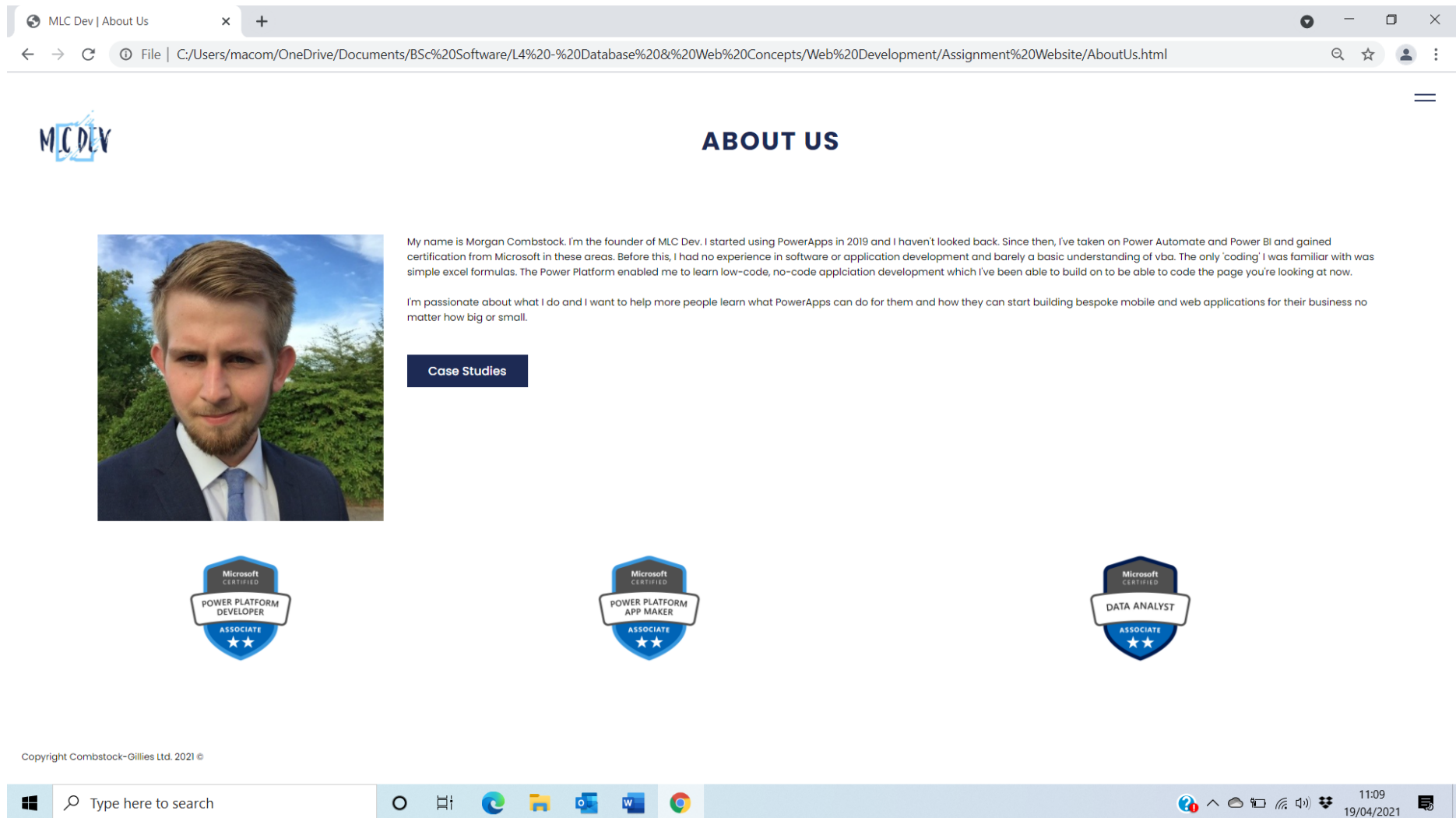


Figure 2 - About Us Page

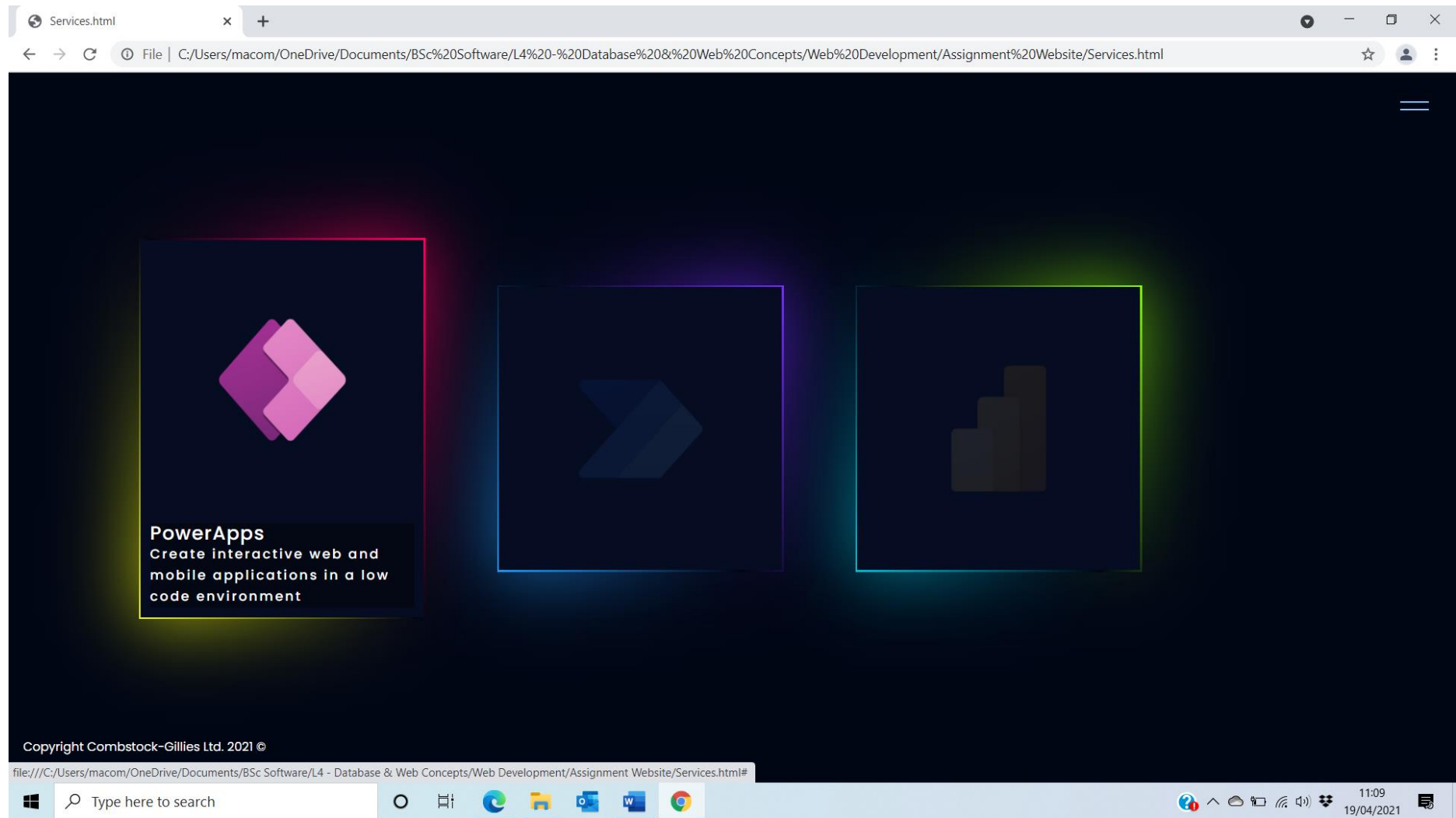


Figure 3 - Services Page

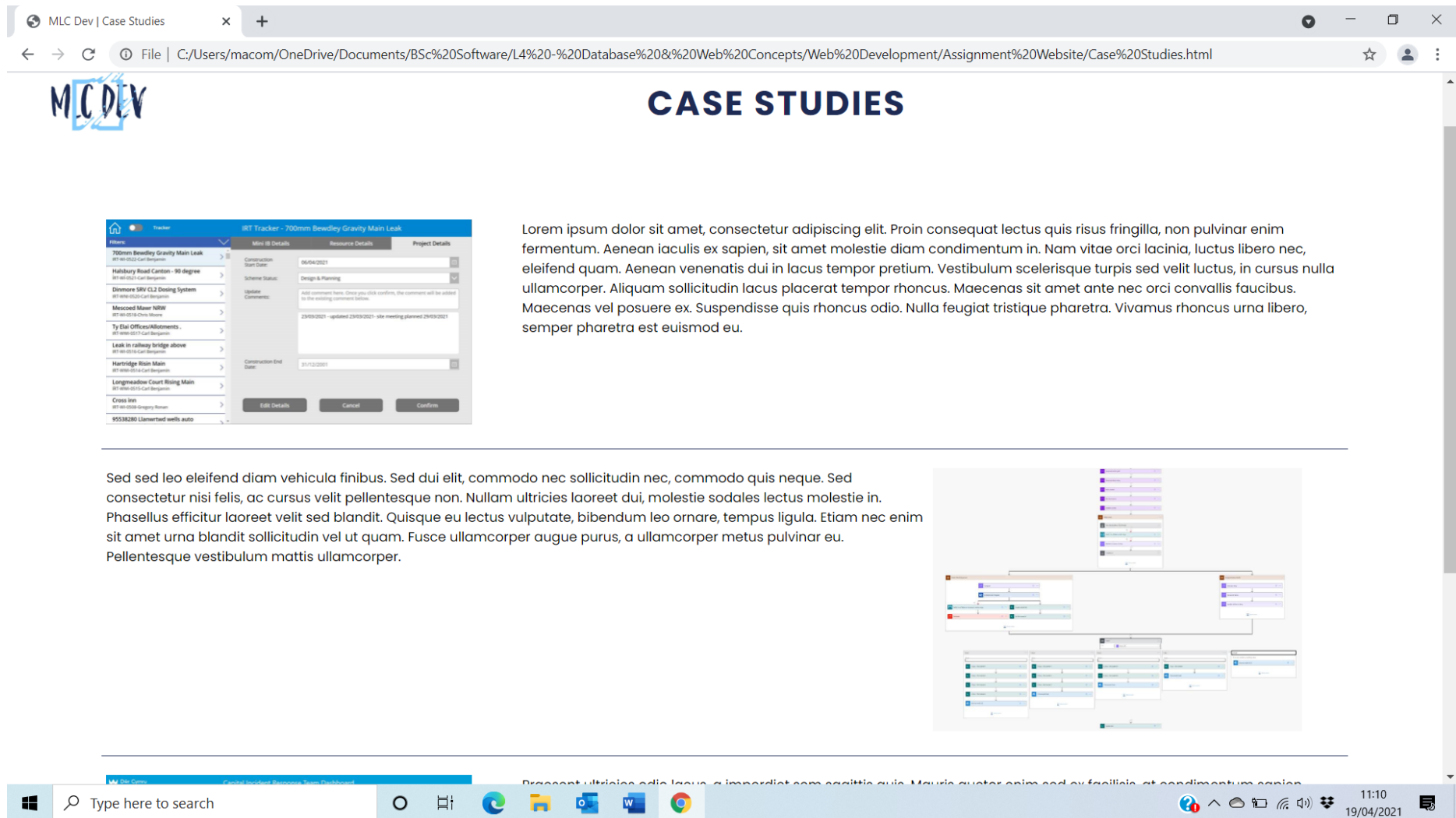


Figure 4 - Case Studies Page

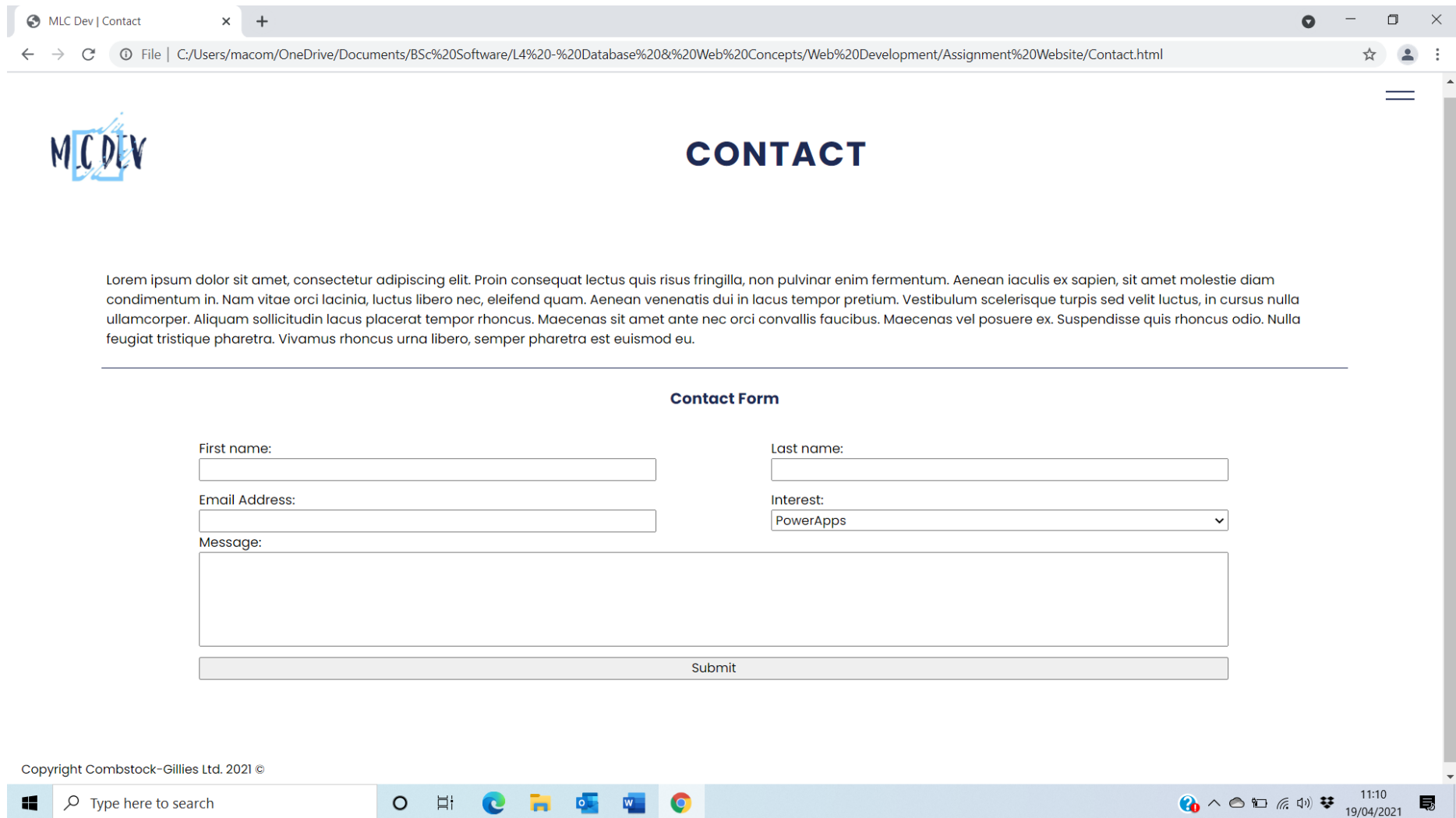


Figure 5 - Contact Page

Validation

HTML Validation

1. **Error** Bad value Site Assets/Images/mainlogo.jpg for attribute src on element img: Illegal character in path segment: space is not allowed.
From line 12, column 38; to line 12, column 107
`ss="logo"></a></code>`

2. **Error** An img element must have an alt attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 12, column 38; to line 12, column 107
`ss="logo"></a></code>`

3. **Error** Bad value Site Assets/Images/twitter.png for attribute src on element img: Illegal character in path segment: space is not allowed.
From line 25, column 29; to line 25, column 72
`href="#"></a></code>`

4. **Error** An img element must have an alt attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 25, column 29; to line 25, column 72
`href="#"></a></code>`

5. **Error** Bad value Site Assets/Images/linkedin.png for attribute src on element img: Illegal character in path segment: space is not allowed.
From line 26, column 85; to line 26, column 129
`et="null"></a></code>`

6. **Error** An img element must have an alt attribute, except under certain conditions. For details, consult [guidance on providing text alternatives for images](#).
From line 26, column 85; to line 26, column 129
`et="null"></a></code>`

7. **Warning** Section lacks heading. Consider using h2-h6 elements to [add identifying headings to all sections](#).
From line 10, column 5; to line 10, column 37
`body><section class="banner" id="sec"></code>`

8. **Error** Bad value Case Studies.html for attribute href on element a: Illegal character in path segment: space is not allowed.
From line 38, column 17; to line 38, column 44
`<li><a href="Case Studies.html">Case S`

9. **Warning** The type attribute is unnecessary for JavaScript resources.
From line 42, column 5; to line 42, column 35
`/div><script type="text/javascript"></code>`

Figure 6 - Home Page html Validation Results

As shown in figure 6 above, my home page returned seven errors and two warnings. Errors one, three, five and eight are all pertaining to location of my site assets. This is because the site asset folder has a space in the name and this is not allowed. As the website functions correctly, I will not make a change at this time. That said, were I to undertake a task like this in future, I would ensure that all folders had no spaces by utilising a camel case function.

Errors two, four and six are centred on alt labels for images I have used. Alt labels are important for accessibility, potential broken links and search engine optimisation so should be included when calling images. For this reason, I will fix these errors by editing my html code to include alt tags on all images.

Lastly, the two warnings. Warning seven is that the main section used in my html code lacks a heading. Warning nine points out that the type attribute is unnecessary when declaring or calling JavaScript resources. These being warnings rather than errors do not present any issues as such so I will not change them. Again though, in future, I would not declare the type and I would look to use headings in each section for efficiency and good practice.

CSS Validation

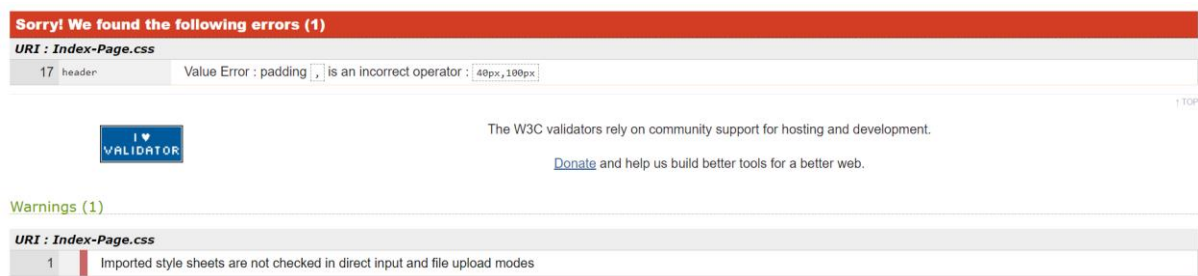


Figure 7 - Home Page CSS Validation Results

As shown in figure 7 above, my CSS has returned one error and one warning. The warning relates to an imported font type that I have used and is just to explain that it has not been checked. The one error is an unnecessary comma in the padding declaration. This will be a simple fix by removing the comma.

Evaluation

To evaluate my website, it is necessary to consider three areas,

- Usefulness
- Accessibility
- Search Engine Optimisation (SEO)

A website's usefulness can be split into a few areas namely, useability, functionality and content. A2 describe useability as how easy a website is for visitors to interact with [1]. This is obviously important as if a website is too difficult to navigate or read then visitors will not be inclined to return and may not get the information that they need. Functionality is what a website can do and how it works [2]. Again, this is essential as without the proper tools to carry out the given tasks, a website will fail and the end result is the same; the user is unable to access the needed information. The third aspect, content, is equally as important. A functional and useable website would be of little value without quality content. Content is dependant on the subject matter of the website or webpage but is important regardless. Websites exist to provide information or transactions. Without any content, they would be useless.

Accessibility is becoming more and more important as more people get online and need to access information. Web accessibility means that websites, tools, and technologies are designed and developed so that people with disabilities can use them [3]. Making an accessible website involves utilising things such as alt tags for non-text content, captions on videos or presentations, colour schemes and standard positions on each page for important tools such as navigation.

Lastly, search engine optimisation or SEO. SEO is important because it can play a large part in how often a website is accessed. A website could be the most functional, accessible and useful site on the web but if it can't be found then it is of no use. Search engines use things such as alt tags, meta descriptions and meta tags to identify the content being discussed on a given page. It also involves such things as backlinks where another site includes links to a given site. This represents a vote of confidence that the linked to webpage is reputable [4]. On the other hand, some practices are disallowed such as adding tiny, almost invisible images to a page for additional alt tags. This is known as black hat SEO and can lead to a site not being picked up by a search engine [5].

Usefulness

My website is intended as a business site to promote the use of Microsoft's Power Platform. As such, it is important to portray a professional image and features that demonstrate competence with regard to software and design. With that in mind, I think my webpage is very usable for a few reasons. Firstly, the navigation icon. This icon is consistently in the top right corner and produces the same navigation slide out on each page. It is also a widely recognised icon for navigation so makes it useable. Also, with the exception of one showcase page, the whole site maintains the same colour scheme. This provides a familiar feel across pages but also makes the one differing page stand out as important. Functionally, the site operates as expected and includes media queries to ensure proper sizing if viewed on a smaller device or window.

Accessibility

In terms of accessibility, the first thing to mention again is the navigation. This is in the same place on each page allowing the user to always find their place. I have also included alt tags for each of the images I have used and recognised class and id names for sections within the html. This allows a screen reader to determine the order in which a site should be presented to a user. One issue I have encountered however, is the font colour on the background of the navigation pane. Using a pale blue background and a white coloured font provides a very low ratio which could make it hard for someone with limited vision to read the navigation. In future, I would look to implement a higher contrast colour scheme to fix this problem.

SEO

For a small website created for this purpose, SEO optimisation is somewhat limited. There is no likelihood of any backlinks from other sites, and it is likely not hosted online so could not be picked up by a search engine. That said, I have included alt tags for images which would allow it to be found were it hosted online. To optimise my site, I would ensure every image had one and I would also add meta tags and descriptions to the header of each html page.

Appendix 1 – HTML and CSS Code

Index.html

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">

<head>

  <meta charset="utf-8" />

  <title>MLC Dev | Home</title>


  <link rel="stylesheet" type="text/css" href="Styles/Index-Page.css" />

</head>

<body>

  <section class="banner" id="sec">

    <header>

      <a href="#" class="logo"></a>

      <div id="toggle" onclick="toggle()"></div>

    </header>

    <section>

      <div class="content">

        <h2>MLC Power Platform Development<br /> From paper to <span>Power!</span></h2>

        <p>

          Lorem Ipsum

        </p>

        <a href="Services.html">Learn More</a>

      </div>

    </section>

    <ul class="sci">

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

      <li><a href="https://www.linkedin.com/in/morgancombstock" target="null"></a></li>

    </ul>
```

```
        <footer>

        Copyright Combstock-Gillies Ltd. 2021 &copy;

    </footer>

</section>

<div id="navigation">

    <ul>

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

        <li><a href="AboutUs.html">About</a></li>

        <li><a href="Services.html">Services</a></li>

        <li><a href="Case Studies.html">Case Studies</a></li>

        <li><a href="Contact.html">Contact</a></li>

    </ul>

</div>

<script type="text/javascript">

    function toggle(){

        var sec = document.getElementById('sec');

        var nav = document.getElementById('navigation');

        sec.classList.toggle('active');

        nav.classList.toggle('active');

    }

</script>

</body>

</html>
```

AboutUs.html

```
<!DOCTYPE html>
```

```
<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta charset="utf-8" />
```

```
<title>MLC Dev | About Us</title>
```

```
<link rel="stylesheet" type="text/css" href="Styles/About-Page.css" />
```

```
</head>
```

```
<body>
```

```
<section class="banner" id="sec">
```

```
<header>
```

```
<a href="#" class="logo"></a>
```

```
<div id="casestudies"><h1>About Us</h1></div>
```

```
<div id="toggle" onclick="toggle()"></div>
```

```
</header>
```

```
<div class="grid-container">
```

```
<div class="item1"></div>
```

```
<div class="item2">
```

My name is Morgan Combstock. I'm the founder of MLC Dev. I started using PowerApps in 2019 and I haven't looked back. Since then, I've taken on Power Automate and Power BI

and gained certification from Microsoft in these areas. Before this, I had no experience in software or application development and barely a basic understanding of vba. The

only 'coding' I was familiar with was simple excel formulas. The Power Platform enabled me to learn low-code, no-code application development which I've been able to build on

to be able to code the page you're looking at now.

I'm passionate about what I do and I want to help more people learn what PowerApps can do for them and how they

can start building bespoke mobile and web applications for their business no matter how big or small.

Case Studies

</div>

<div class="item3"></div>

<div class="item4"></div>

<div class="item5"></div>

<div class="item6"></div>

</div>

<footer>

Copyright Combstock-Gillies Ltd. 2021 ©

</footer>

</section>

<div id="navigation">

Home

About

Services

Case Studies

Contact


```
</div>
<script type="text/javascript">
  function toggle(){
    var sec = document.getElementById('sec');
    var nav = document.getElementById('navigation');
    sec.classList.toggle('active');
    nav.classList.toggle('active');
  }
</script>
</body>
</html>
```

Case Studies

```
<!DOCTYPE html>
```

```
<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta charset="utf-8" />
```

```
<title>MLC Dev | Case Studies</title>
```

```
<link rel="stylesheet" type="text/css" href="Styles/CaseStudies-Page.css" />
```

```
</head>
```

```
<body>
```

```
<section class="banner" id="sec">
```

```
<header>
```

```
<a href="#" class="logo"></a>
```

```
<div id="casestudies"><h1>Case Studies</h1></div>
```

```
<div id="toggle" onclick="toggle()"></div>
```

```
</header>
```

```
<div class="grid-container">
```

```
<div class="item1"></div>
```

```
<div class="item2">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin consequat lectus quis risus fringilla, non pulvinar enim fermentum. Aenean iaculis ex sapien,
```

```
sit amet molestie diam condimentum in. Nam vitae orci lacinia, luctus libero nec, eleifend quam. Aenean venenatis dui in lacus tempor pretium. Vestibulum scelerisque turpis sed
```

```
velit luctus, in cursus nulla ullamcorper. Aliquam sollicitudin lacus placerat tempor rhoncus. Maecenas sit amet ante nec orci convallis faucibus. Maecenas vel posuere ex.
```

```
Suspendisse quis rhoncus odio. Nulla feugiat tristique pharetra. Vivamus rhoncus urna libero, semper pharetra est euismod eu.</div>
```

<div class="item3">Sed sed leo eleifend diam vehicula finibus. Sed dui elit, commodo nec sollicitudin nec, commodo quis neque. Sed consectetur nisi felis, ac cursus velit

pellentesque non. Nullam ultricies laoreet dui, molestie sodales lectus molestie in. Phasellus efficitur laoreet velit sed blandit. Quisque eu lectus vulputate, bibendum

leo ornare, tempus ligula. Etiam nec enim sit amet urna blandit sollicitudin vel ut quam. Fusce ullamcorper augue purus, a ullamcorper metus pulvinar eu. Pellentesque

vestibulum mattis ullamcorper.</div>

<div class="item4"></div>

<div class="item5"></div>

<div class="item6">Praesent ultricies odio lacus, a imperdiet sem sagittis quis. Mauris auctor enim sed ex facilisis, at condimentum sapien varius. Etiam ac dui congue, ornare

nisl interdum, sollicitudin erat. Sed accumsan nisl nisi. Vivamus et sollicitudin nunc, a venenatis nulla. Mauris eu nunc tempor, luctus neque sit amet, placerat nunc. Morbi a

justo vitae enim blandit ullamcorper. Duis at tellus sed lacus laoreet venenatis a nec massa. Nulla facilisis tristique lectus quis ultricies. Quisque pellentesque iaculis leo.

In maximus eros sit amet eros volutpat egestas et eu erat. In non aliquam erat.</div>

</div>

<footer>

Copyright Combstock-Gillies Ltd. 2021 ©

</footer>

</section>

<div id="navigation">

Home

About

Services

```
<li><a href="#">Case Studies</a></li>

<li><a href="Contact.html">Contact</a></li>

</ul>

</div>

<script type="text/javascript">

function toggle(){

    var sec = document.getElementById('sec');

    var nav = document.getElementById('navigation');

    sec.classList.toggle('active');

    nav.classList.toggle('active');

}

</script>

</body>

</html>
```

Services.html

```
<!DOCTYPE html>
```

```
<html lang="en" xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
  <meta charset="utf-8" />
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1"/>
```

```
  <title></title>
```

```
  <link rel="stylesheet" type="text/css" href="Styles/Services-Page.css"/>
```

```
</head>
```

```
<body>
```

```
  <section class="banner" id="sec">
```

```
    <header>
```

```
      <a href="#" class="logo"></a>
```

```
      <div id="toggle" onclick="toggle()"></div>
```

```
    </header>
```

```
  <div class="box">
```

```
    <a href="#">
```

```
      <div class="imgBx">
```

```
        
```

```
      </div>
```

```
      <div class="content">
```

```
        <h2>PowerApps<br /><span>Create interactive web and mobile applications in a low  
code environment</span></h2>
```

```
      </div>
```

```
    </a>
```

```
  </div>
```

```
  <div class="box">
```

```
    <div class="imgBx">
```

```
        
    </div>

    <div class="content">

        <h2>Power Automate<br/><span>Automate business processes and repetetive tasks
</span></h2>

    </div>
</div>
```

```
<div class="box">

    <div class="imgBx">

    </div>

    <div class="content">

        <h2>Power BI<br/><span>Analyse your data to get insights and make data driven
decisions</span></h2>

    </div>
</div>
```

```
        <footer>

        Copyright Combstock-Gillies Ltd. 2021 &copy;

    </footer>
</section>
```

```
<div id="navigation">

    <ul>

        <li><a href="Index.html">Home</a></li>

        <li><a href="AboutUs.html">About</a></li>

        <li><a href="#">Services</a></li>

        <li><a href="Case Studies.html">Case Studies</a></li>

        <li><a href="Contact.html">Contact</a></li>

    </ul>
</div>
```

```
<script type="text/javascript">  
  function toggle(){  
    var sec = document.getElementById('sec');  
    var nav = document.getElementById('navigation');  
    sec.classList.toggle('active');  
    nav.classList.toggle('active');  
  }  
</script>  
</body>  
</html>
```

Contact.html

```
<!DOCTYPE html>

<html lang="en" xmlns="http://www.w3.org/1999/xhtml">

<head>

  <meta charset="utf-8" />

  <title>MLC Dev | Contact</title>

  <link rel="stylesheet" type="text/css" href="Styles/Contact-Page.css" />

  <meta name="Description" content="Contact MLC Dev for PowerApps and Power Automate
development, troubleshooting and consulting.">

</head>

<body>

  <section class="banner" id="sec">

    <header>

      <a href="#" class="logo"></a>

      <div id="casestudies"><h1>Contact</h1></div>

      <div id="toggle" onclick="toggle()"></div>

    </header>

    <div class="grid-container">

      <div class="item1">Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin consequat
lectus quis risus fringilla, non pulvinar enim fermentum. Aenean iaculis ex sapien,

      sit amet molestie diam condimentum in. Nam vitae orci lacinia, luctus libero nec, eleifend
quam. Aenean venenatis dui in lacus tempor pretium. Vestibulum scelerisque turpis sed

      velit luctus, in cursus nulla ullamcorper. Aliquam sollicitudin lacus placerat tempor rhoncus.
Maecenas sit amet ante nec orci convallis faucibus. Maecenas vel posuere ex.

      Suspendisse quis rhoncus odio. Nulla feugiat tristique pharetra. Vivamus rhoncus urna libero,
semper pharetra est euismod eu.</div>
```

```
<div class="item2">
```

```
<h3>Contact Form</h3>
```

```
<form>
```

```
<div class="nested-grid">
```

```
<div class="grid-item">
```

```
<label for="fname">First name:</label><br>
```

```
<input type="text" id="fname" name="fname"><br>
```

```
</div>
```

```
<div class=" grid-item">
```

```
<label for="lname">Last name:</label><br>
```

```
<input type="text" id="lname" name="lname"><br />
```

```
</div>
```

```
<div class="grid-item">
```

```
<label for="email"> Email Address:</label><br />
```

```
<input type="email" id="email" name="email" />
```

```
</div>
```

```
<div class="grid-item">
```

```
<label for="interest">Interest:</label><br />
```

```
<select id="interest" name="interest">
```

```
<option value="powerapps">PowerApps</option>
```

```
<option value="powerautomate">Power Automate</option>
```

```
<option value="powerbi">Power BI</option>
```

```
<option value="full">Full Stack</option>
```

```
<option value="other">Other (Explain Below)</option>
```

```
</select>
```

```
</div>
```

```
</div>
```

```
<div id="inputtext">
```

```
<label for="message">Message: </label><br />
```

```

        <textarea id="message" name="message" style="height:100px"></textarea>

    </div>

    <div id="submission">

        <input type="submit" value="Submit" formtarget="_blank"/>

    </div>

</form>

</div>

</div>

<footer>

    Copyright Combstock-Gillies Ltd. 2021 &copy;

</footer>

</section>

<div id="navigation">

    <ul>

        <li><a href="Index.html">Home</a></li>

        <li><a href="AboutUs.html">About</a></li>

        <li><a href="Services.html">Services</a></li>

        <li><a href="Case Studies.html">Case Studies</a></li>

        <li><a href="#">Contact</a></li>

    </ul>

</div>

<script type="text/javascript">

    function toggle(){

        var sec = document.getElementById('sec');

        var nav = document.getElementById('navigation');

        sec.classList.toggle('active');

        nav.classList.toggle('active');

    }

}

```

```
}  
</script>  
</body>  
</html>
```

Index-Page.css

```
@import
url('https://fonts.googleapis.com/css?family=Poppins:200,300,400,500,600,700,800,900&display=s
wap');
```

```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
}
```

```
header {
    position: absolute;
    top: 0;
    left: 0;
    width: 100%;
    display: flex;
    justify-content: space-between;
    padding: 40px 100px;
    z-index: 10000;
    transition: 0.6s;
}
```

```
header .logo{
    position: relative;
    font-weight: 700;
    color: #fff;
    text-decoration: none;
    font-size: 2em;
    text-transform: uppercase;
    letter-spacing: 2px;
```

```
    transition: 0.6s;
    padding-top: 20px;
    padding-left: 20px;
}
```

```
header #toggle {
    position: relative;
    width: 60px;
    height: 50px;
    cursor: pointer;
}
```

```
header #toggle:before {
    content: "";
    position: absolute;
    top: 30px;
    width: 50%;
    height: 2px;
    background: rgba(29,42,84,1);
}
```

```
header #toggle:after {
    content: "";
    position: absolute;
    bottom: 10px;
    width: 50%;
    height: 2px;
    background: rgba(29,42,84,1);
}
```

```
.banner.active header #toggle:before {
```

```
top: 70%;  
left: 40%;  
transform: translate(-50%,-50%) rotate(45deg);  
}
```

```
.banner.active header #toggle:after {  
top: 70%;  
left: 40%;  
transform: translate(-50%,-50%) rotate(-45deg);  
}
```

```
.banner {  
position: relative;  
width: 100%;  
min-height: 100vh;  
padding: 100px;  
background-color: white;  
background-size: cover;  
display: flex;  
align-items: center;  
transition: 0.5s;  
z-index: 2;  
}
```

```
.banner.active {  
transform: translateX(-400px);  
}
```

```
#navigation {  
position: fixed;  
top: 0;
```

```
right: -200px;
width: 400px;
height: 100vh;
background: rgba(131,201,253,1);
z-index: 1;
display: grid;
place-items: center;
transition: 0.5s;
}
```

```
#navigation.active {
  right: 0;
}
```

```
#navigation ul {
  position: relative;
  display: flex;
  flex-direction: column;
}
```

```
#navigation ul li {
  list-style: none;
}
```

```
#navigation ul li a {
  color: #fff;
  text-decoration: none;
  display: inline-block;
  font-size: 2em;
  font-weight: 600;
  text-transform: uppercase;
```

```
}
```

```
.content {  
  max-width: 800px;  
}
```

```
.content h2 {  
  color: #000;  
  font-size: 2.5em;  
}
```

```
.content h2 span {  
  color: rgba(131,201,253,1);  
  font-size: 1.2em;  
}
```

```
.content p {  
  font-size: 1.2em;  
  color: #fff;  
  font-weight: 300;  
}
```

```
.content a {  
  position: relative;  
  display: inline-block;  
  margin-top: 20px;  
  background: rgba(29,42,84,1);  
  color: #fff;  
  padding: 10px 30px;  
  text-decoration: none;  
  font-size: 1.2em;
```

```
font-weight: 500;
}
```

```
.sci {
  position: absolute;
  display: flex;
  flex-direction: column;
  right: 100px;
}
```

```
.sci li {
  list-style: none;
}
```

```
.sci li a {
  position: relative;
  display: grid;
  place-items: center;
  width: 50px;
  height: 50px;
  text-decoration: none;
  border: 1px solid rgba(29,42,84,1);
  margin: 10px 0 0;
}
```

```
.sci li a:hover {
  background: rgba(29,42,84,1);
}
```

```
.sci li a img {
  max-width: 20px;
```

```
filter: invert(1);  
mix-blend-mode: difference;  
}
```

```
footer {  
  position: absolute;  
  bottom: 0;  
  left: 0;  
  width: 100%;  
  display: flex;  
  padding-bottom: 1%;  
  padding-left: 1%;  
  font-size: small;  
  height: 50px;  
}
```

About-Page.css

```
@import  
url('https://fonts.googleapis.com/css?family=Poppins:200,300,400,500,600,700,800,900&display=s  
wap');
```

```
* {  
  
    margin: 0;  
  
    padding: 0;  
  
    box-sizing: border-box;  
  
    font-family: 'Poppins', sans-serif;  
}
```

```
header {  
  
    position: absolute;  
  
    top: 0;  
  
    left: 0;  
  
    width: 100%;  
  
    display: flex;  
  
    justify-content: space-between;  
  
    padding: 40px, 100px;  
  
    z-index: 10000;  
  
    transition: 0.6s;  
}
```

```
header #casestudies {  
  
    vertical-align: middle;  
  
    height: 170px;  
  
    padding-top: 70px;  
  
    position: relative;  
  
    font-weight: 700;  
  
    text-decoration: none;  
  
    font-size: 1.5em;
```

```
text-transform: uppercase;

letter-spacing: 2px;

color: rgba(29,42,84,1);

}
```

```
header .logo{

  position: relative;

  font-weight: 700;

  color: #fff;

  text-decoration: none;

  font-size: 2em;

  text-transform: uppercase;

  letter-spacing: 2px;

  transition: 0.6s;

  padding-top: 20px;

  padding-left: 20px;

  height: 170px;

}
```

```
header #toggle {

  position: relative;

  width: 60px;

  height: 50px;

  cursor: pointer;

}
```

```
header #toggle:before {

  content: "";

  position: absolute;

  top: 30px;

  width: 50%;

}
```

```
height: 2px;
background: rgba(29,42,84,1);
}
```

```
header #toggle:after {
  content: "";
  position: absolute;
  bottom: 10px;
  width: 50%;
  height: 2px;
  background: rgba(29,42,84,1);
}
```

```
.banner.active header #toggle:before {
  top: 70%;
  left: 40%;
  transform: translate(-50%,-50%) rotate(45deg);
}
```

```
.banner.active header #toggle:after {
  top: 70%;
  left: 40%;
  transform: translate(-50%,-50%) rotate(-45deg);
}
```

```
.banner {
  position: relative;
  width: 100%;
  min-height: 100vh;
  padding: 100px;
  background-color: white;
```

```
background-size: cover;

display: flex;

align-items: center;

transition: 0.5s;

z-index: 2;

}
```

```
.banner.active {

  transform: translateX(-400px);

}
```

```
.grid-container {

  display: grid;

  grid-template-columns: auto auto auto;

  grid-gap: 1px 0;

  background-color: rgba(255,255,255,1);

  width: inherit;

  margin-top: 100px;

}
```

```
.grid-container > div {

  background-color: rgba(255, 255, 255, 1);

  padding: 20px 5px;

  font-size: 14px;

  text-align: center;

}
```

```
.grid-container > div img {

  max-width: 90%;

}
```

```
.item2 {  
    grid-column-start: 2;  
    grid-column-end: 4;  
    text-align: left !important;  
}
```

```
.item2 a {  
    position: relative;  
    display: inline-block;  
    margin-top: 20px;  
    background: rgba(29,42,84,1);  
    color: #fff;  
    padding: 10px 30px;  
    text-decoration: none;  
    font-size: 1.2em;  
    font-weight: 500;  
}
```

```
#navigation {  
    position: fixed;  
    top: 0;  
    right: -200px;  
    width: 400px;  
    height: 100vh;  
    background: rgba(131,201,253,1);  
    z-index: 1;  
    display: grid;  
    place-items: center;  
    transition: 0.5s;  
}
```

```
#navigation.active {  
    right: 0;  
}
```

```
#navigation ul {  
    position: relative;  
    display: flex;  
    flex-direction: column;  
}
```

```
#navigation ul li {  
    list-style: none;  
}
```

```
#navigation ul li a {  
    color: #fff;  
    text-decoration: none;  
    display: inline-block;  
    font-size: 2em;  
    font-weight: 600;  
    text-transform: uppercase;  
}
```

```
#main {  
    max-width: 100%;  
    float: left;  
    box-sizing: border-box;  
    width: 30%;  
    padding: 20px;  
}
```

```
#main img {  
    max-height: inherit;  
    max-width: inherit;  
    min-height: 150px;  
    min-width: 150px;  
    align-items: center;  
}
```

```
#sidebar {  
    max-width: 100%;  
    float: right;  
    box-sizing: border-box;  
    width: 70%;  
    vertical-align: top;  
}
```

```
#sidebar a {  
    position: relative;  
    display: inline-block;  
    margin-top: 20px;  
    background: rgba(29,42,84,1);  
    color: #fff;  
    padding: 10px 30px;  
    text-decoration: none;  
    font-size: 1.2em;  
    font-weight: 500;  
}
```

```
.content h2 {  
    color: #000;  
    font-size: 2.5em;
```

```
}
```

```
.content h2 span {  
  color: rgba(131,201,253,1);  
  font-size: 1.2em;  
}
```

```
.content p {  
  font-size: 1.2em;  
  color: #fff;  
  font-weight: 300;  
}
```

```
.content a {  
  position: relative;  
  display: inline-block;  
  margin-top: 20px;  
  background: rgba(29,42,84,1);  
  color: #fff;  
  padding: 10px 30px;  
  text-decoration: none;  
  font-size: 1.2em;  
  font-weight: 500;  
}
```

```
footer {  
  position: absolute;  
  bottom: 0;  
  left: 0;  
  width: 100%;  
  display: flex;
```

```
padding-bottom: 1%;  
padding-left: 1%;  
font-size: small;  
height: 50px;  
}
```

```
@media only screen and (max-width: 800px) {  
  .header #aboutus {  
    min-width: 200px;  
  }  
}
```

```
#main {  
  width: 100%;  
  float: none;  
}
```

```
#main img {  
  max-height: 200px;  
  max-width: 200px;  
}
```

```
#sidebar {  
  width: 100%;  
  float: none;  
}
```

```
.container {  
  padding-top: 100px;  
  min-width: 300px;  
}
```

```
.grid-container {  
  display: grid;  
  grid-template-columns: auto;  
  grid-gap: 1px 0;  
  background-color: rgba(29,42,84,1);  
  width: inherit;  
  margin-top: 100px;  
}
```

```
.grid-container > div {  
  background-color: rgba(255, 255, 255, 1);  
  padding: 20px 5px;  
  font-size: 14px;  
}
```

```
.grid-container > div img {  
  max-width: 90%;  
}
```

```
.item4 {  
  grid-column-start: 1;  
  grid-column-end: 2;  
  text-align: center;  
  grid-row: 3;  
}
```

```
.item2, .item3, .item6 {  
  grid-column-start: 1;  
  grid-column-end: 2;  
}
```

```
.item1, .item5 {  
  grid-column-start: 1;  
  grid-column-end: 2;  
  text-align: center;  
}  
}
```

CaseStudies-Page.css

```
@import
url('https://fonts.googleapis.com/css?family=Poppins:200,300,400,500,600,700,800,900&display=s
wap');
```

```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
}
```

```
header {
    position: absolute;
    top: 0;
    left: 0;
    width: 100%;
    display: flex;
    justify-content: space-between;
    padding: 40px 100px;
    z-index: 10000;
    transition: 0.6s;
}
```

```
header #casestudies {
    vertical-align: middle;
    height: 170px;
    padding-top: 70px;
    position: relative;
    font-weight: 700;
    text-decoration: none;
    font-size: 1.5em;
```

```
text-transform: uppercase;

letter-spacing: 2px;

color: rgba(29,42,84,1);

}
```

```
header .logo{

  position: relative;

  font-weight: 700;

  color: #fff;

  text-decoration: none;

  font-size: 2em;

  text-transform: uppercase;

  letter-spacing: 2px;

  transition: 0.6s;

  padding-top: 20px;

  padding-left: 20px;

  height: 170px;

}
```

```
header #toggle {

  position: relative;

  width: 60px;

  height: 50px;

  cursor: pointer;

}
```

```
header #toggle:before {

  content: "";

  position: absolute;

  top: 30px;

  width: 50%;

}
```

```
height: 2px;
background: rgba(29,42,84,1);
}
```

```
header #toggle:after {
  content: "";
  position: absolute;
  bottom: 10px;
  width: 50%;
  height: 2px;
  background: rgba(29,42,84,1);
}
```

```
.banner.active header #toggle:before {
  top: 70%;
  left: 40%;
  transform: translate(-50%,-50%) rotate(45deg);
}
```

```
.banner.active header #toggle:after {
  top: 70%;
  left: 40%;
  transform: translate(-50%,-50%) rotate(-45deg);
}
```

```
.banner {
  position: relative;
  width: 100%;
  min-height: 100vh;
  padding: 100px;
  background-color: white;
```

```
background-size: cover;

display: flex;

align-items: center;

transition: 0.5s;

z-index: 2;

}
```

```
.banner.active {

  transform: translateX(-400px);

}
```

```
.grid-container {

  display: grid;

  grid-template-columns: auto auto auto;

  grid-gap: 1px 0;

  background-color: rgba(29,42,84,1);

  width: inherit;

  margin-top: 100px;

}
```

```
.grid-container > div {

  background-color: rgba(255, 255, 255, 1);

  padding: 20px 5px;

  font-size: 14px;

}
```

```
.grid-container > div img {

  max-width: 90%;

}
```

```
.item2, .item6 {
```

```
    grid-column-start: 2;
    grid-column-end: 4;
}

.item3 {
    grid-column-start: 1;
    grid-column-end: 3;
}

#navigation {
    position: fixed;
    top: 0;
    right: -200px;
    width: 400px;
    height: 100vh;
    background: rgba(131,201,253,1);
    z-index: 1;
    display: grid;
    place-items: center;
    transition: 0.5s;
}

#navigation.active {
    right: 0;
}

#navigation ul {
    position: relative;
    display: flex;
    flex-direction: column;
}
```

```
#navigation ul li {  
    list-style: none;  
}
```

```
#navigation ul li a {  
    color: #fff;  
    text-decoration: none;  
    display: inline-block;  
    font-size: 2em;  
    font-weight: 600;  
    text-transform: uppercase;  
}
```

```
#main {  
    max-width: 100%;  
    float: left;  
    box-sizing: border-box;  
    width: 30%;  
    padding: 20px;  
}
```

```
#main img {  
    max-height: inherit;  
    max-width: inherit;  
    min-height: 150px;  
    min-width: 150px;  
    align-items: center;  
}
```

```
#sidebar {
```

```
max-width: 100%;  
float: right;  
box-sizing: border-box;  
width: 70%;  
vertical-align: top;  
}
```

```
#sidebar a {  
  position: relative;  
  display: inline-block;  
  margin-top: 20px;  
  background: rgba(29,42,84,1);  
  color: #fff;  
  padding: 10px 30px;  
  text-decoration: none;  
  font-size: 1.2em;  
  font-weight: 500;  
}
```

```
.content h2 {  
  color: #000;  
  font-size: 2.5em;  
}
```

```
.content h2 span {  
  color: rgba(131,201,253,1);  
  font-size: 1.2em;  
}
```

```
.content p {  
  font-size: 1.2em;
```

```
color: #fff;
font-weight: 300;
}
```

```
.content a {
  position: relative;
  display: inline-block;
  margin-top: 20px;
  background: rgba(29,42,84,1);
  color: #fff;
  padding: 10px 30px;
  text-decoration: none;
  font-size: 1.2em;
  font-weight: 500;
}
```

```
footer {
  position: absolute;
  bottom: 0;
  left: 0;
  width: 100%;
  display: flex;
  padding-bottom: 1%;
  padding-left: 1%;
  font-size: small;
  height: 50px;
}
```

```
@media only screen and (max-width: 800px) {
  .header #aboutus {
    min-width: 200px;
```

```
}
```

```
#main {  
  width: 100%;  
  float: none;  
}
```

```
#main img {  
  max-height: 200px;  
  max-width: 200px;  
}
```

```
#sidebar {  
  width: 100%;  
  float: none;  
}
```

```
.container {  
  padding-top: 100px;  
  min-width: 300px;  
}
```

```
.grid-container {  
  display: grid;  
  grid-template-columns: auto;  
  grid-gap: 1px 0;  
  background-color: rgba(29,42,84,1);  
  width: inherit;  
  margin-top: 100px;  
}
```

```
.grid-container > div {  
  background-color: rgba(255, 255, 255, 1);  
  padding: 20px 5px;  
  font-size: 14px;  
}  
  
.grid-container > div img {  
  max-width: 90%;  
}  
  
.item4 {  
  grid-column-start: 1;  
  grid-column-end: 2;  
  text-align: center;  
  grid-row: 3;  
}  
  
.item2, .item3, .item6 {  
  grid-column-start: 1;  
  grid-column-end: 2;  
}  
  
.item1, .item5 {  
  grid-column-start: 1;  
  grid-column-end: 2;  
  text-align: center;  
}  
}
```

Services-Page.css

```
@import
url('https://fonts.googleapis.com/css?family=Poppins:200,300,400,500,600,700,800,900&display=s
wap');
```

```
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
}
```

```
header {
    position: absolute;
    top: 0;
    left: 0;
    width: 100%;
    display: flex;
    justify-content: space-between;
    padding: 40px 100px;
    z-index: 10000;
    transition: 0.6s;
}
```

```
header .logo{
    position: relative;
    font-weight: 700;
    color: #010615;
    text-decoration: none;
    font-size: 2em;
    text-transform: uppercase;
    letter-spacing: 2px;
```

```
    transition: 0.6s;
    padding-top: 20px;
    padding-left: 20px;
}
```

```
header #toggle {
    position: relative;
    width: 60px;
    height: 50px;
    cursor: pointer;
}
```

```
header #toggle:before {
    content: "";
    position: absolute;
    top: 30px;
    width: 50%;
    height: 2px;
    background: rgba(131,201,253,1);
}
```

```
header #toggle:after {
    content: "";
    position: absolute;
    bottom: 10px;
    width: 50%;
    height: 2px;
    background: rgba(131,201,253,1);
}
```

```
.banner.active header #toggle:before {
```

```
top: 70%;  
left: 40%;  
transform: translate(-50%,-50%) rotate(45deg);  
}
```

```
.banner.active header #toggle:after {  
top: 70%;  
left: 40%;  
transform: translate(-50%,-50%) rotate(-45deg);  
}
```

```
.banner {  
position: relative;  
width: 100%;  
min-height: 100vh;  
padding: 100px;  
background-color: #010615;  
background-size: cover;  
display: flex;  
align-items: center;  
transition: 0.5s;  
z-index: 2;  
}
```

```
.banner.active {  
transform: translateX(-400px);  
}
```

```
#navigation {  
position: fixed;  
top: 0;
```

```
right: -200px;
width: 400px;
height: 100vh;
background: rgba(131,201,253,1);
z-index: 1;
display: grid;
place-items: center;
transition: 0.5s;
}
```

```
#navigation.active {
  right: 0;
}
```

```
#navigation ul {
  position: relative;
  display: flex;
  flex-direction: column;
}
```

```
#navigation ul li {
  list-style: none;
}
```

```
#navigation ul li a {
  color: #fff;
  text-decoration: none;
  display: inline-block;
  font-size: 2em;
  font-weight: 600;
  text-transform: uppercase;
}
```

```
}
```

```
body {  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  flex-wrap: wrap;  
  min-height: 100vh;  
  background: #010615;  
}
```

```
.box {  
  position: relative;  
  width: 300px;  
  height: 300px;  
  display: flex;  
  justify-content: center;  
  align-items: center;  
  margin: 40px;  
  background: #060c21;  
  transition: 0.5s;  
}
```

```
.box:hover {  
  height: 400px;  
}
```

```
.box .imgBx {  
  position: absolute;  
  top: 0;  
  left: 0;
```

```
width: 100%;  
height: 100%;  
padding: 10px;  
box-sizing: border-box;  
}
```

```
.box .imgBx img {  
    max-width: 100%;  
    opacity: 0.1;  
    transition: 0.5s;  
}
```

```
.box:hover .imgBx img {  
    opacity: 1;  
}
```

```
.box:before {  
    content: "";  
    position: absolute;  
    top: -2px;  
    left: -2px;  
    right: -2px;  
    bottom: -2px;  
    background: #fff;  
    z-index: -1;  
}
```

```
.box:after {  
    content: "";  
    position: absolute;  
    top: -2px;
```

```
left: -2px;
right: -2px;
bottom: -2px;
background: #fff;
z-index: -2;
filter: blur(40px);
}
```

```
.box:before, .box:after {
  background: linear-gradient(235deg,#89ff00,#010615,#00bcd4);
}
```

```
.box:nth-child(2):before, .box:nth-child(2):after {
  background: linear-gradient(235deg,#ff005e,#010615,#fbff00);
}
```

```
.box:nth-child(3):before, .box:nth-child(3):after {
  background: linear-gradient(235deg,#772aff,#010615,#2196f3);
}
```

```
.box .content {
  position: absolute;
  bottom: 0;
  left: 10px;
  right: 10px;
  bottom: 10px;
  height: 90px;
  background: rgba(0,0,0,0.4);
  display: flex;
  justify-content: center;
  align-items: center;
```

```
    opacity: 0;
    transition: 0.5s;
}
```

```
.box:hover .content {
    opacity: 1;
    transition: 0.5s;
}
```

```
.box .content h2 {
    font-size: 20px;
    color: #fff;
    font-weight: 500;
    line-height: 20px;
    letter-spacing: 1px;
}
```

```
.box .content h2 span {
    font-size: 14px;
    color: #fff;
    font-weight: 500;
    letter-spacing: 2px;
}
```

```
footer {
    position: absolute;
    bottom: 0;
    left: 0;
    width: 100%;
    display: flex;
    padding-bottom: 1%;
}
```

```
padding-left: 1%;  
font-size: small;  
height: 50px;  
    color: rgba(255,255,255,1)  
}
```

Contact-Page.css

```
@import
url('https://fonts.googleapis.com/css?family=Poppins:200,300,400,500,600,700,800,900&display=s
wap');
```

```
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
}
```

```
header {
    position: absolute;
    top: 0;
    left: 0;
    width: 100%;
    display: flex;
    justify-content: space-between;
    padding: 40px 100px;
    z-index: 10000;
    transition: 0.6s;
}
```

```
header #casestudies {
    vertical-align: middle;
    height: 170px;
    padding-top: 70px;
    position: relative;
    font-weight: 700;
    text-decoration: none;
    font-size: 1.5em;
```

```
text-transform: uppercase;

letter-spacing: 2px;

color: rgba(29,42,84,1);

}
```

```
header .logo{

  position: relative;

  font-weight: 700;

  color: #fff;

  text-decoration: none;

  font-size: 2em;

  text-transform: uppercase;

  letter-spacing: 2px;

  transition: 0.6s;

  padding-top: 20px;

  padding-left: 20px;

  height: 170px;

}
```

```
header #toggle {

  position: relative;

  width: 60px;

  height: 50px;

  cursor: pointer;

}
```

```
header #toggle:before {

  content: "";

  position: absolute;

  top: 30px;

  width: 50%;

}
```

```
height: 2px;
background: rgba(29,42,84,1);
}
```

```
header #toggle:after {
  content: "";
  position: absolute;
  bottom: 10px;
  width: 50%;
  height: 2px;
  background: rgba(29,42,84,1);
}
```

```
.banner.active header #toggle:before {
  top: 70%;
  left: 40%;
  transform: translate(-50%,-50%) rotate(45deg);
}
```

```
.banner.active header #toggle:after {
  top: 70%;
  left: 40%;
  transform: translate(-50%,-50%) rotate(-45deg);
}
```

```
.banner {
  position: relative;
  width: 100%;
  min-height: 100vh;
  padding: 100px;
  background-color: white;
```

```
background-size: cover;

display: flex;

align-items: center;

transition: 0.5s;

z-index: 2;

}
```

```
.banner.active {

  transform: translateX(-400px);

}
```

```
.grid-container {

  display: grid;

  grid-template-columns: auto;

  grid-gap: 1px 0;

  background-color: rgba(29,42,84,1);

  width: inherit;

  margin-top: 100px;

}
```

```
.grid-container > div {

  background-color: rgba(255, 255, 255, 1);

  padding: 20px 5px;

  font-size: 14px;

}
```

```
.grid-container > div img {

  max-width: 90%;

}
```

```
.item2 h3 {
```

```
    color: rgba(29,42,84,1);
    text-align: center;
}
```

```
.nested-grid {
    display: grid;
    grid-template-columns: auto auto;
    padding-left: 7.5%;
    padding-top: 20px;
}
```

```
.grid-item {
    padding-top: 10px;
}
```

```
input, select {
    width: 80%;
}
```

```
input[type=submit] {
    width: 90%;
}
```

```
form #inputtext {
    padding-left: 7.5%;
}
```

```
textarea {
    width: 90%;
    resize: none;
}
```

```
form #submission {  
    padding-top: 5px;  
    padding-left: 7.5%;  
}
```

```
#navigation {  
    position: fixed;  
    top: 0;  
    right: -200px;  
    width: 400px;  
    height: 100vh;  
    background: rgba(131,201,253,1);  
    z-index: 1;  
    display: grid;  
    place-items: center;  
    transition: 0.5s;  
}
```

```
#navigation.active {  
    right: 0;  
}
```

```
#navigation ul {  
    position: relative;  
    display: flex;  
    flex-direction: column;  
}
```

```
#navigation ul li {  
    list-style: none;
```

```
}
```

```
#navigation ul li a {  
    color: #fff;  
    text-decoration: none;  
    display: inline-block;  
    font-size: 2em;  
    font-weight: 600;  
    text-transform: uppercase;  
}
```

```
#main {  
    max-width: 100%;  
    float: left;  
    box-sizing: border-box;  
    width: 30%;  
    padding: 20px;  
}
```

```
#main img {  
    max-height: inherit;  
    max-width: inherit;  
    min-height: 150px;  
    min-width: 150px;  
    align-items: center;  
}
```

```
#sidebar {  
    max-width: 100%;  
    float: right;  
    box-sizing: border-box;
```

```
width: 70%;  
vertical-align: top;  
}
```

```
#sidebar a {  
  position: relative;  
  display: inline-block;  
  margin-top: 20px;  
  background: rgba(29,42,84,1);  
  color: #fff;  
  padding: 10px 30px;  
  text-decoration: none;  
  font-size: 1.2em;  
  font-weight: 500;  
}
```

```
.content h2 {  
  color: #000;  
  font-size: 2.5em;  
}
```

```
.content h2 span {  
  color: rgba(131,201,253,1);  
  font-size: 1.2em;  
}
```

```
.content p {  
  font-size: 1.2em;  
  color: #fff;  
  font-weight: 300;  
}
```

```
.content a {  
    position: relative;  
    display: inline-block;  
    margin-top: 20px;  
    background: rgba(29,42,84,1);  
    color: #fff;  
    padding: 10px 30px;  
    text-decoration: none;  
    font-size: 1.2em;  
    font-weight: 500;  
}
```

```
footer {  
    position: absolute;  
    bottom: 0;  
    left: 0;  
    width: 100%;  
    display: flex;  
    padding-bottom: 1%;  
    padding-left: 1%;  
    font-size: small;  
}
```

```
@media only screen and (max-width: 800px) {  
    .header #aboutus {  
        min-width: 200px;  
    }  
}
```

```
#main {  
    width: 100%;
```

```
float: none;  
}
```

```
#main img {  
  max-height: 200px;  
  max-width: 200px;  
}
```

```
#sidebar {  
  width: 100%;  
  float: none;  
}
```

```
.container {  
  padding-top: 100px;  
  min-width: 300px;  
}
```

```
.grid-container {  
  display: grid;  
  grid-template-columns: auto;  
  grid-gap: 1px 0;  
  background-color: rgba(29,42,84,1);  
  width: inherit;  
  margin-top: 100px;  
}
```

```
.grid-container > div {  
  background-color: rgba(255, 255, 255, 1);  
  padding: 20px 5px;  
  font-size: 14px;
```

```
}
```

```
.grid-container > div img {  
    max-width: 90%;  
}
```

```
.item4 {  
    grid-column-start: 1;  
    grid-column-end: 2;  
    text-align: center;  
    grid-row: 3;  
}
```

```
.item2, .item3, .item6 {  
    grid-column-start: 1;  
    grid-column-end: 2;  
}
```

```
.item1, .item5 {  
    grid-column-start: 1;  
    grid-column-end: 2;  
    text-align: center;  
}
```

```
.nested-grid {  
    display: grid;  
    grid-template-columns: auto;  
    padding-left: 7.5%;  
    padding-top: 20px;  
}
```

```
textarea {  
    width: 80%;  
    resize: none;  
}  
  
input[type=submit] {  
    width: 80%;  
}  
}
```

References

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