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WEDE5020

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Web Dev POE

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Introduction

This website has been build for a friends business called Porter and Connections. The purpose of the website is to show how we can improve on his existing website with a more consistent approach, later we will also add buttons to do quotes from more pages. This will assist in more sales and the business looking more professional for new customers.

Currently the website pages show the standard for the website and can be build upon to increase the users personalisation of the site. The images in the photo gallery is static at the moment and will become easier for the admin of the site to add new photos and videos later. Majority of the information has been inserted as what is needed at the moment with improvements and more pages coming in the future.

Porter and Connections website page

Porter and connections is a company whom is a health and safety office whom assists in ISO (International Organization for Standardization) and other certifications.

Homepage

The homepage, the first page a client will see when entering the website. This page gives a short intro to the company, client reviews, certifications and accreditations.

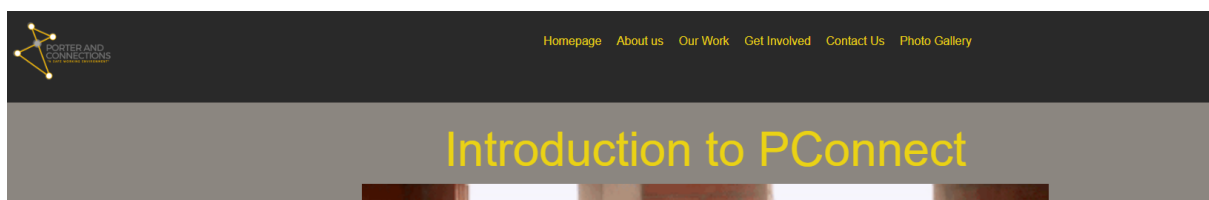


Figure 1: Homepage – Porter and Connections (www.porterconnect.com, 2022)

About Us

On the “about us” page a deeper look into the company and how they do business with their clients. A video has also been added showcasing what they do.

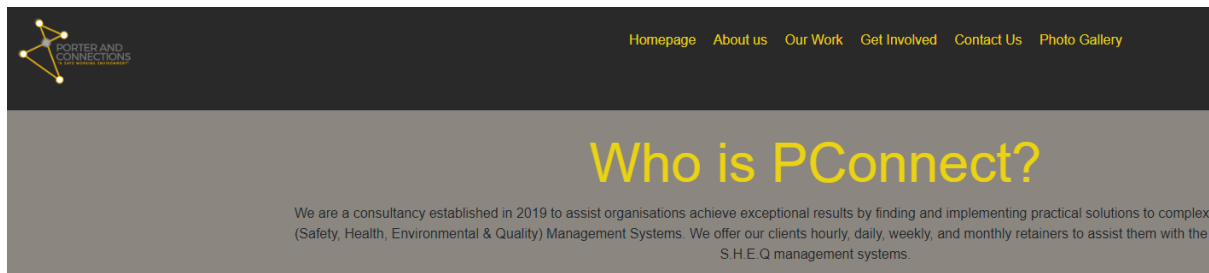


Figure 2: About Us Page – Porter and Connections (www.porterconnect.com, 2022)

Our Work

On the “Our Work” page, there has been added the work they do also what they can accredit other business in. Assisting other businesses with their ISO’s etc.

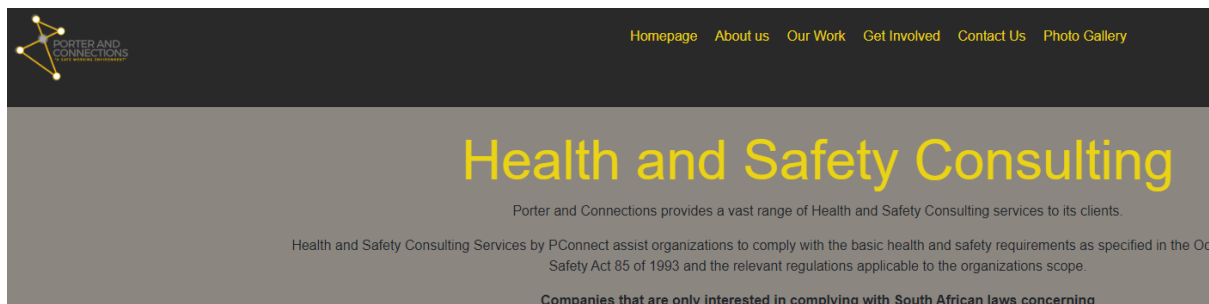


Figure 3: Our Work page – Porter and Connections (www.porterconnect.com, 2022)

Get Involved

On this page the guests of the site will have the opportunity to advise their interests in the company with a form to fill in and a submit and reset button.

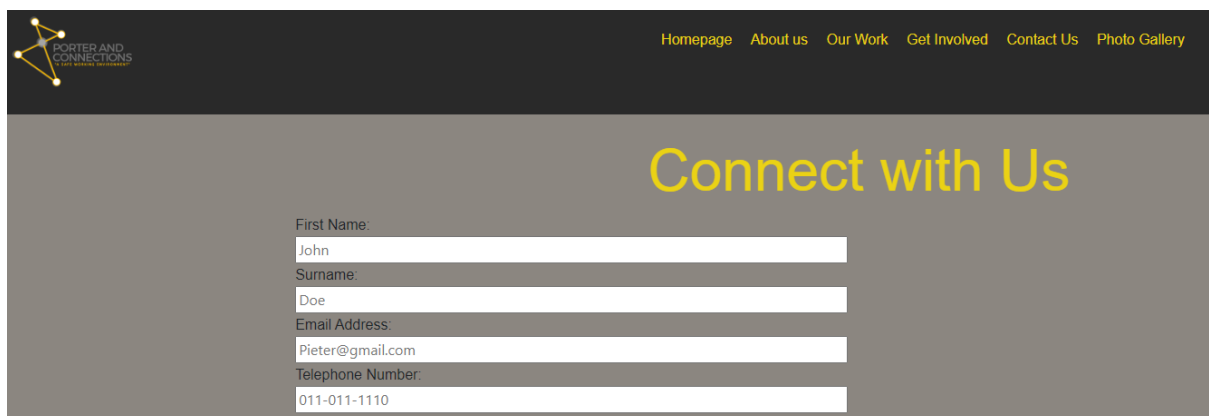


Figure 4: Get Involved page – Porter and Connections (www.porterconnect.com, 2022)

Contact Us

On this page is the contact details of the company with the embedded google map to show where their facilities are.

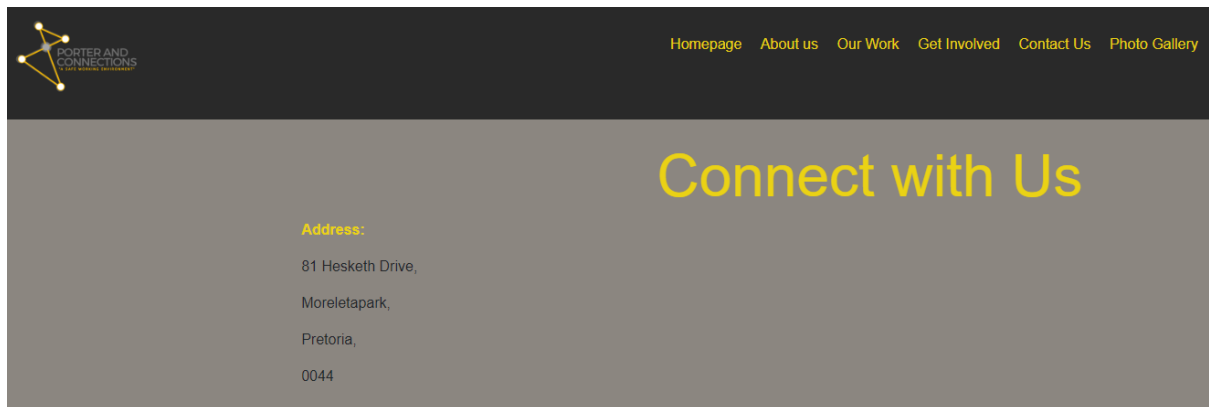


Figure 5: Contact us page – Porter and Connections (www.porterconnect.com, 2022)

Photo Gallery

On this page all the pictures for the company is shown so guests of the website can look at the progress made and get to see who they are working with.

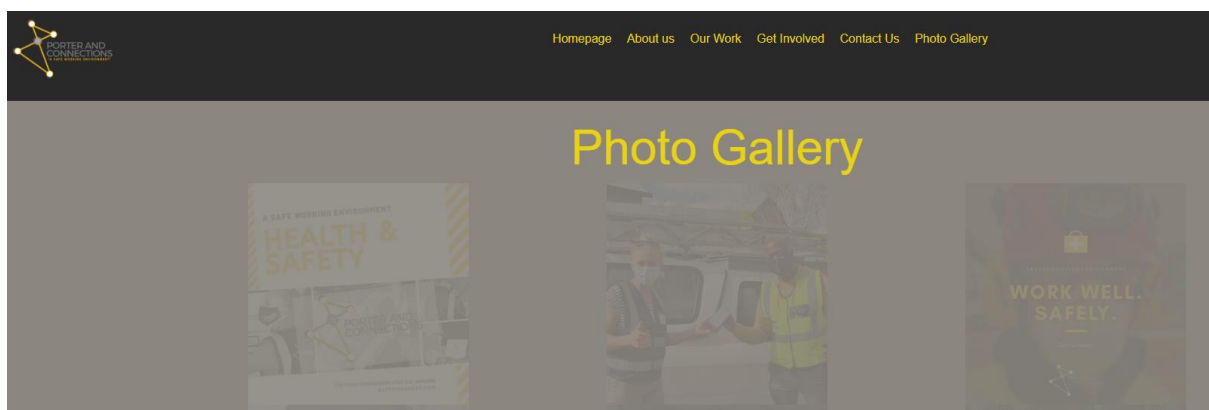


Figure 6: Photo Gallery Page – Porter and Connections (www.porterconnect.com, 2022)

Additional work done

Header: (consistency throughout pages)

The header will now follow you when scrolling down giving access to more seamless design where guests on the site can navigate to another page without needed to search for the other pages as this will be located on top.

```
<body style="background-color: #888688">
  <div class="container-fluid">
    <div class="row">
      <div class="col-xs-12 col-sm-12 col-md-12 col-lg-12 col-xl-12 col-xxl-12"
        style="background-color: #292929; font-family: Arial, Helvetica, sans-serif; position: fixed; z-index: 9999999999999999">
        
        <div style="text-align: center; padding-top: 2.5%;">
          <a href="#">&ensp;Homepage&ensp;</a>
          <a href="about-us.html">&ensp;About us&ensp;</a>
          <a href="our-work.html">&ensp;Our Work&ensp;</a>
          <a href="get-involved.html">&ensp;Get Involved&ensp;</a>
          <a href="contact-us.html">&ensp;Contact Us&ensp;</a>
          <a href="photo-gallery.html">&ensp;Photo Gallery&ensp;</a>
        </div>
      </div>
    </div>
  </div>
```

Figure 7: Header for new site

Google embedded maps and icons with links connected to them:

```
<div class="row">
  <div class="col-xs-12 col-sm-12 col-md-2 col-lg-2 col-xl-2 col-xxl-2">
  </div>
  <div class="col-xs-12 col-sm-12 col-md-4 col-lg-4 col-xl-4 col-xxl-4">
    <iframe
      src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3590.8346187665697!2d28.288527815567996!3d-25.841994355622486!2m3!1f0!2f0!3f0!3m2!1i1024!2i768"
      width="100%" height="auto" style="border:0;" allowfullscreen="" loading="lazy"
      referrerpolicy="no-referrer-when-downgrade"></iframe>
    </div>
  <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-6 col-xxl-6">
  </div>
</div>
```

Figure 8: Embedded google map in Iframe, anchor tag with image nested within.

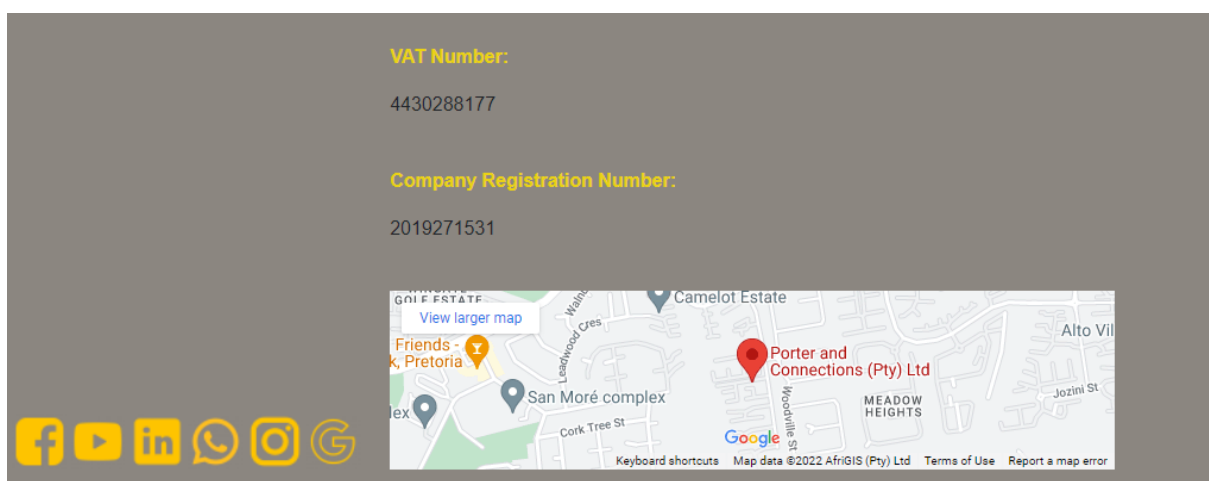


Figure 9: On page look at the icons and they open a new tab when clicked.

Footer: (consistency throughout pages)

```
<div class="row">
  <div class="col-xs-12 col-sm-12 col-md-12 col-lg-12 col-xl-12 col-xxl-12" style="background-color: #292929">
    <footer style="text-align: right;">
      <a href="Index.html" id="icon">&ensp;Homepage&ensp;</a>
      <a href="about-us.html" id="icon">&ensp;About us&ensp;</a>
      <a href="our-work.html" id="icon">&ensp;Our Work&ensp;</a>
      <a href="get-involved.html" id="icon">&ensp;Get Involved&ensp;</a>
      <a href="#" id="icon">&ensp;Contact Us&ensp;</a>
      <a href="photo-gallery.html" id="icon">&ensp;Photo Gallery&ensp;</a>
      <p style="color: white; text-align: left;">&copy;Copyrighted 2022 by Wentzel</p>
    </footer>
  </div>
</div>
```

Figure 10: In code representation of the footer.

Linking the Grid system from Bootstrap

```
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Homepage</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/css/bootstrap.min.css" rel="stylesheet"
    integrity="sha384-0evHe/X+R7YkIZDRvuzKMRqM+OrBnVFBFL6DOitfPri4tjfhXaWutUpFmBp4vmVor" crossorigin="anonymous">
```

Figure 11: linking the bootstrap website for grid system usage (www.getbootstrap.com, 2022)

Floating buttons on screen

```
.foo {
  position: fixed;
  margin-bottom: 5%;
  bottom: 0;
  left: 0;
}
```

```
<div class="row">
  <div class="col-xs-12 col-sm-12 col-md-12 col-lg-12 col-xl-12 col-xxl-12 foo">
    <a href="https://web.facebook.com/porterandconnect?_rdc=1&_rdr" target="_blank" id="icon"></a>
    <a href="https://wa.me/message/DXIXIULT4KXRC1" target="_blank" id="icon"></a>
    <a href="https://www.instagram.com/porter_connect/" target="_blank" id="icon"></a>
  </div>
</div>
```

Figure 12: Floating buttons (<https://www.w3schools.com>, 2022)

How to insert spaces/tabs

Added the below to make space between the header and the start of the information shown on the screen.

```
<div class="row">
  <div class="col-xs-12 col-sm-12 col-md-12 col-lg-12 col-xl-12 col-xxl-12">
    &nbsp;
  </div>
</div>
<div class="row">
  <div class="col-xs-12 col-sm-12 col-md-12 col-lg-12 col-xl-12 col-xxl-12">
    &nbsp;
  </div>
```

Figure 13: How to insert spaces/tabs (<https://www.geeksforgeeks.org>, 2022)

Google forms and email notifications

Below is added so guests of the website can apply to get a newsletter.

The image shows a Google Form titled "Newsletter Sign up" with a header image of cobblestones. The form has three main sections: "Form description" with a placeholder for a description, an "Email *" field with a "Valid email" error message and a "Change settings" link, and a "This form is collecting emails" notice. Below these are "Name" and "Surname *" fields, both with "Short answer text" placeholders. On the right, a "NOTIFICATIONS 18.1" panel displays a "Google Forms Rule" for "Newsletter email" with the email address "widt94@gmail.com" and a "Learn more" link. The top of the form shows "Contact Information" and a "Send" button.

Google Forms <forms-receipts-noreply@google.com>
to me ▾

Google LLC
1600 Amphitheatre Pkwy
Mountain View, CA 94043 USA

Figure 14: Google forms (<https://www.google.com/forms/>, 2022)

Inserting HTML input pattern Attribute

Below is added parameters so guests of the website can't add incorrect information to the form.

```
<div class="row">
  <div class="col-xs-12 col-sm-12 col-md-2 col-lg-2 col-xl-2 col-xxl-2">
  </div>
  <div class="col-xs-12 col-sm-12 col-md-4 col-lg-4 col-xl-4 col-xxl-4" id="3">
    <label for="EmailAddress">Email Address:&nbsp;</label><br>
    <input name="EmailAddress" type="email" id="Email" pattern="[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,4}$"
      placeholder="Pieter@gmail.com" style="height:auto; width:100%" required /><br>
  </div>
  <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-6 col-xxl-6">
  </div>
</div>
<div class="row">
  <div class="col-xs-12 col-sm-12 col-md-2 col-lg-2 col-xl-2 col-xxl-2">
  </div>
  <div class="col-xs-12 col-sm-12 col-md-4 col-lg-4 col-xl-4 col-xxl-4" id="4">
    <label for="Telephonenumber">Telephone Number:&nbsp;</label><br>
    <input name="TelephoneNumber" type="tel" id="Tel" pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}"
      placeholder="011-011-1110" style="height:auto; width:100%" required /><br><br>
  </div>
  <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-6 col-xxl-6">
  </div>
</div>
```

Figure 15: Google forms (<https://www.w3schools.com>, 2022)

Linking the JavaScript from Bootstrap for carousel in photo gallery

Below is added so the carousel of the gallery can work correctly.

```
<div class="row">
  <div class="col-xs-12 col-sm-12 col-md-3 col-lg-3 col-xl-3 col-xxl-3">
  </div>
  <div class="col-xs-12 col-sm-12 col-md-6 col-lg-6 col-xl-6 col-xxl-6">
    <div id="carouselIndicators" class="carousel carousel-dark slide" data-bs-ride="true">
      <div class="carousel-indicators">
        <button type="button" data-bs-target="#carouselIndicators" data-bs-slide-to="0" class="active"
          aria-current="true" aria-label="Slide 1"></button>
        <button type="button" data-bs-target="#carouselIndicators" data-bs-slide-to="1"
          aria-label="Slide 2"></button>
        <button type="button" data-bs-target="#carouselIndicators" data-bs-slide-to="2"
          aria-label="Slide 3"></button>
      </div>
      <div class="carousel-inner">
        <div class="carousel-item active">
          
        </div>
        <div class="carousel-item">
          
        </div>
        <div class="carousel-item">
          
        </div>
      </div>
      <button class="carousel-control-prev" type="button" data-bs-target="#carouselIndicators"
        data-bs-slide="prev">
        <span class="carousel-control-prev-icon" aria-hidden="true"></span>
        <span class="visually-hidden">Previous</span>
      </button>
      <button class="carousel-control-next" type="button" data-bs-target="#carouselIndicators"
        data-bs-slide="next">
        <span class="carousel-control-next-icon" aria-hidden="true"></span>
        <span class="visually-hidden">Next</span>
      </button>
    </div>
  </div>
</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0-beta1/dist/js/bootstrap.bundle.min.js"
  integrity="sha384-pprn3073KE6tl6bjs2QrFaJGz5/SUsLqktiwsUTF55Jfv3qYSDhgCecCxMW52nD2"
  crossorigin="anonymous"></script>
```

Figure 16: Google forms (<https://getbootstrap.com>, 2022)

Conclusion

With more consistent design the business will look more professional, this will get people to refer the site more to their friends who might also have their own business bringing in more business. Response time would also be good with less clutter on their website. Responsive design has been added that when accessed on any device you are able to read and see all the information and still look professional.

Reflection

What were the most and least beneficial aspects of this course?

Most beneficial would be learning something new in regards to how HTML is setup but least beneficial is the google forms that was needed at the end if we are using our own forms, would be better if we learned how to setup our own form to connect to a database.

How did each of the learning units contribute to your knowledge of web development?

Each one increased my capacity to create a fully functional webpage and was a fun experience.

How did the knowledge gained from each of the learning units assist you in completing the tasks in this POE?

As all of the modules were completed early it assisted greatly and if effort is made with just the basics its easier to complete the POE.

Do you think you will use the skills in this course in your career? If yes, explain how.

No, I will continue to study and move more into machine learning but this is a good base for extending my learning.

If you were to rewind life one semester, what would you do differently in this course and what would you do the same?

Would do all of my things the same except fix my silly mistakes on project 1.

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