APPLYING BOOTSTRAP

What was our GOAL for this MODULE?
The goal was to develop a blog/ portfolio website with bootstrap design classes.

What did we ACHIEVE in the class TODAY?
- We learned how we can make any website responsive.
- We learned how to make the Navigation bar and Contact section in the responsive website using BootStrap.

Which CONCEPTS/CODING did we cover today?
- Code for the Navigation bar and the Contact section.
- Bootstrap classes such as "navbar-inverse", "navbar-header", "navbar-toggle", "navbar-collapse" etc for the navigation bar.
- HTML tags such as div, span, button, ul, li, and a tag.

How did we DO the activities?

Code for the responsive BLOG page:

We continued the code of C61 class. You took the HTML and CSS files and started coding.

- **NEW MENU BAR**

We made a new menu bar. The code for adding a new menu bar was as follows:

CODE-

```
<nav class="navbar-inverse my_nav_bar">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-toggle="collapse" data-
      target="#myNavbar">
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="#">Perter Parker</a>
    </div>

    <div class="collapse navbar-collapse" id="myNavbar">
      <ul class="nav navbar-nav">
        <li><a href="#welcome">HOME</a></li>
        <li><a href="#videos">VIDEOS</a></li>
        <li><a href="#work">WORK</a></li>
        <li><a href="#writings">WRITINGS</a></li>
        <li><a href="#aboutMe">BLOG</a></li>
        <li><a href="#contact">CONTACT</a></li>
      </ul>
    </div>
</nav>
```

1. **Nav Tag:** We tried to make our website more user-friendly by performing the following operations:

   1.1. **nav:** The <nav> tag was used to wrap all the menu items inside it.

```
<nav class="navbar-inverse my_nav_bar">
    <div class="navbar-header">
```

   ➔ It uses a **navbar-inverse**. It is a bootstrap CSS property. We were using it by calling it inside the class of an element. It was used to provide the menu bar with a background-color and a font color.
   ➔ We had **my_nav_bar**. We provided some style to **my_nav_bar**.

```
.my_nav_bar
{
    position:sticky;
    top:0;
    z-index:99999
}
```

- **position:sticky -** It means that the menu bar gets sticky on the position where it is placed. It should always be on the top of the screen even when you scroll down the page.
- **top:0 -** This means that it starts from the top of the website.
- **z-index:9999** - This means that it is always on the top of any other element. If we scrolled, some images and various other elements could be found. We didn't want these other elements to be seen above the menu bar when we scrolled.

1.2. **navbar-header:** In the div tag, we used the class **navbar-header**. It is a bootstrap CSS property and we were using it by calling it inside the class of an element.
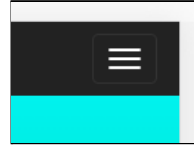
```
<div class="navbar-header">
```

The **navbar-header** is mostly an architectural class for Bootstrap navbar. It allocates approximately 150px to the left of the navbar to wrap the navbar-brand. But the most useful property of the navbar-header is its responsiveness to 100% width till 768px (tablet views). It also helps to get the menu item on the left hand side.

2. **Button:**

```
<button type="button" class="navbar-toggle" data-toggle="collapse" data-
target="#myNavbar">
  <span class="icon-bar"></span>
  <span class="icon-bar"></span>
  <span class="icon-bar"></span>
</button>
```

➔ **navbar-toggle:** It is a bootstrap CSS property and we were using it by calling it inside the class of the element.

This helped to style the button like and it also helped to show the button only in tablets and mobiles. This means, the screen resolution was less than 768px horizontally.

➔ **data-toggle="collapse"** told the button that there was something that opened when the button was clicked.

➔ **data-target="#myNavbar"** told the button that when the button was clicked, the div with the id = myNavbar should open.

○ Inside the button, there were span tags with the class **icon-bar**. This is also a bootstrap CSS property and we were using it by calling it inside the class of the element.
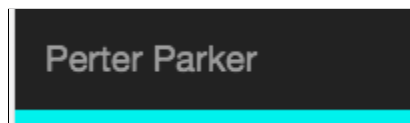
We were using this to get these three lines: .

3. **Anchor tag:** The functionality of the Anchor tag was - if someone clicks on the name of the website, it should open the home page.

For now, we had added **'#'** (hashtag), but you needed to replace the # with the website link of your hosted website after building it.

```
<a class="navbar-brand" href="#">Perter Parker</a>
```

➔ **navbar-brand**: This again is a bootstrap CSS property and we were using it by calling it inside the class of the element. This was used to provide **font color, height, margin, font-size, and padding** to the name of our website.
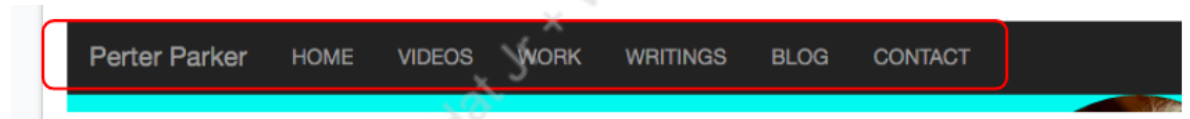

If you observed, we were just giving the class name and those elements were looking good and the CSS properties were added automatically. This happened

because of the Bootstrap predefined CSS properties.

4.   **Div tag:** This was used to hold all the menu items.

```
<div class="collapse navbar-collapse" id="myNavbar">
```

➔   **collapse**: This is another bootstrap CSS property and we were using it by calling it inside the class of the element. This property asked the div to hide all the items when the screen resolution was in tablet or mobile zone (less than 768px horizontally).

➔   **navbar-collapse** - This is one more bootstrap CSS property and we were using it by calling it inside the class of the element. It was the whole and sole for the style and display of the menu items. It added background color and showed the big menu when the screen size was above 768px.

And it hid when the screen was less than 768px.

➔   **id="myNavbar"** was the identification of the div, that opened this div when the element that had data-target="#myNavbar" was clicked. Currently that element was the button.

5.   **Unordered List: ul** was an **unordered list** which we used for listing the menu items.

```
<ul class="nav navbar-nav">
  <li><a href="#welcome">HOME</a></li>
  <li><a href="#videos">VIDEOS</a></li>
  <li><a href="#work">WORK</a></li>
  <li><a href="#writings">WRITINGS</a></li>
  <li><a href="#aboutMe">BLOG</a></li>
  <li><a href="#contact">CONTACT</a></li>
</ul>
```

➔   **nav navbar-nav -** This is the bootstrap CSS property that we were using by calling it inside the class of the element. These both were used to align and style the list items.

6. **List Item:** Then, we have **li** which was a **list item**. These were the menu items with an anchor tag with its respective div.

We had already coded for the **welcome section**, **bio section**, **work section**, **video section,** and **adding maps** in **C61**. We moved to making our **social media links responsive** and also **added a form**.

We moved to the contact section of the website. We updated the names and links with your names and links:

```html
<section id="contact">
    <iframe src="https://www.google.com/maps/embed?
    pb=!1m14!1m8!1m3!1d15078.353856082635!2d72.8906491!3d19.1257017!3m2!1i1024!2i768!4f13.1!
    3m3!1m2!1s0x0%3A0xacf72f56793d190a!2sWHITEHAT%20EDUCATION%20TECHNOLOGY%20PVT%20LTD!5e0!3
    m2!1sen!2sin!4v1573468987088!5m2!1sen!2sin" height="450" frameborder="0"
     allowfullscreen=""></iframe>

    <div class="contact_1" >
            <a href="mailto:my@gmail.com?Subject=Hi">
                <h5><i class="fa fa-envelope"></i>  mygmailid@gmail.com</h5>
             </a>

            <a href="#">
                <h5><i class="fa fa-instagram" ></i>  myinstagramid</h5>
             </a>
        </div>

    </section>
```

1. **Added your name:** We have an **h3** tag which has your name as the heading.
2. **Updated your details:** We also updated your details like -
   a. Gmail ID and text (if you have any)
   b. Instagram ID and text (if you have any)

```html
<div class="contact_1">

 <a href="mailto:my@gmail.com?Subject=Hi">
   <h5><i class="fa fa-envelope"></i>  mygmailid@gmail.com</h5>
 </a>

 <a href="#">
   <h5><i class="fa fa-instagram"></i>  myinstagramid</h5>
 </a>
</div>
```

What's NEXT?

In the next class, we will start making our own blog page that will be a responsive web page using the Bootstrap classes.