**FACULTY OF COGNITIVE SCIENCES AND
HUMAN DEVELOPMENT**

SEMESTER 1 2020/2021

KMK3393: WEB PROGRAMMING

LECTURER:

MISS OON YIN BEE

PHASE 1

INDIVIDUAL ASSIGNMENT (20%)

NAME:

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Date of Submission: 15th January 2021

1. **Create at least 3 sections of content with the style exactly in the design reference png file with the combination of basic CSS and Bootstrap 4.**

Picture: Codes example of sections that I have included.

I've created more than 3 sections of content, separated by the <section> tag. Each of the sections were given their own section id so that the styling process in css will be easier.

2. **Create the general page layout on each section using Bootstrap's grid layout features.**


```html
<h2>My Interests</h2>
<p>Majoring in Cognitive Science allow me to not only master the soft sciences subjects (ie: Cognitive Psychology, Neuroscience, Designing) but also hard skills.</p>

<div class="row"> <!-- Using grid system, card-group, card-block concept to do this part -->
<div class="card-group">
<div class="card">
<div class="card-body text-center">
<h4 class="card-title">Early Childhood Education</h4>

          <h6 class="card-subtitle">Final Year Project: GraphoGame</h6><br>

          <img src="img/early-childhood-education.jpg" alt="a chalkboard"><br>

          <p class="class-text">Having 2 younger siblings at home made me realized how much I love to be around them as they are my bundle of joy. It broke my he
          <a href="https://www.graphogame.com/index.html" id="btn101" class="btn btn-primary stretched-link">Learn More about GraphoGame</a>
</div>
</div>
```

Picture: Code used to do this section. I got my source code from w3school and modified it in order for it to match my eportfolio.

3. **Use a single Bootstrap navigation component to allow visitors to browse among the 3 sections.**

Picture: (**Top**) Code from bootstrap.com. (**Middle**) The code that I've modified. (**Bottom**) Output of the code.

4. **Create at least 2 different layouts using Bootstrap's responsive design features: one for mobile devices and one for desktop computers.**
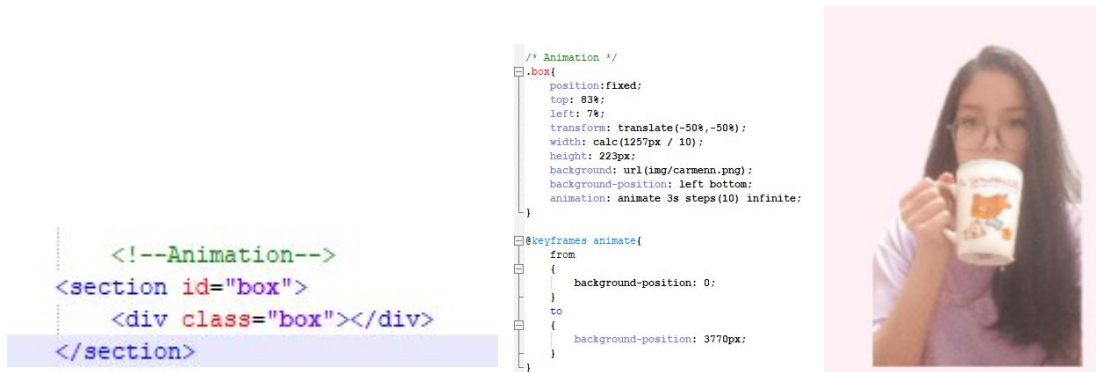
I've used the bootstrap's responsive design features such as navbar, grid and image background to complete this section. Codes can be found in my HTML and CSS file.

5. **Use Bootstrap's carousel widget, including at least three images.**

Pictures: (**Left**) code source from w3school. (**Right**) is the code that I adapted and used in my eportfolio.

6. **Create a CSS3 animation to showcase your portfolio based on your creativity. The animation should be something contribute to the story of your portfolio, eg. a creative "you" drawing graphics, a jumping "you" seeking a job/business. The "you" here must be your own image or your photo. As you are allowed to modify from any source code. Show in the report later the original code & output and your modified version of code and output. Marks will be reduced if the animation is too simple.**

```css
/* Animation */
.box{
    position:fixed;
    top: 83%;
    left: 7%;
    transform: translate(-50%,-50%);
    width: calc(1257px / 10);
    height: 223px;
    background: url(img/carmenn.png);
    background-position: left bottom;
    animation: animate 3s steps(10) infinite;
}

@keyframes animate{
    from
    {
        background-position: 0;
    }
    to
    {
        background-position: 3770px;
    }
}
```

```html
<!--Animation-->
<section id="box">
    <div class="box"></div>
</section>
```

Picture: (**Left**) Code in HTML. (**Middle**) Code in CSS. (**Right**) Output in the eportfolio.

I used CSS sprite animation to make the animation of 'me sipping my morning coffee'. The reasoning behind the animation is because learning the combination of soft-sciences and hard-sciences are certainly not an easy job, therefore, I need those cups of coffee to keep myself up at night to burn midnight oil. I followed the tutorial from 'Online Tutorial' from youtube.

7. **Produce a good portfolio flow with a good aesthetic.**

I added a 'back to top' button to allow the visitors to go to the top of the page with just one click. I followed this tutorial on w3school. I added codes into my HTML, CSS as well as the js file.


```
<script>
//Get the button
var mybutton = document.getElementById("myBtn");

// When the user scrolls down 20px from the top of the document, show the button
window.onscroll = function() {scrollFunction()};

function scrollFunction() {
  if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {
    mybutton.style.display = "block";
  } else {
    mybutton.style.display = "none";
  }
}

// When the user clicks on the button, scroll to the top of the document
function topFunction() {
  document.body.scrollTop = 0;
  document.documentElement.scrollTop = 0;
}
</script>

    <!-- Up Button -->
    <button onclick="topFunction()" id="myBtn" title="Go to top">Top</button>
```

```css
#myBtn {
    display: none; /* Hidden by default */
    position: fixed; /* Fixed/sticky position */
    bottom: 20px; /* Place the button at the bottom of the page */
    right: 30px; /* Place the button 30px from the right */
    z-index: 99; /* Make sure it does not overlap */
    border: none; /* Remove borders */
    outline: none; /* Remove outline */
    background-color: rgba(255, 156, 156); /* Set a background color */
    color: white; /* Text color */
    cursor: pointer; /* Add a mouse pointer on hover */
    padding: 15px; /* Some padding */
    border-radius: 10px; /* Rounded corners */
    font-size: 18px; /* Increase font size */
}

#myBtn:hover {
    background-image: linear-gradient(-20deg, #ddd6f3 0%, #faaca8 100%, #faaca8 100%);
```

```
//Get the button:
mybutton = document.getElementById("myBtn");

// When the user scrolls down 20px from the top of the document, show the button
window.onscroll = function() {scrollFunction()};

function scrollFunction() {
  if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {
    mybutton.style.display = "block";
  } else {
    mybutton.style.display = "none";
  }
}

// When the user clicks on the button, scroll to the top of the document
function topFunction() {
  document.body.scrollTop = 0; // For Safari
  document.documentElement.scrollTop = 0; // For Chrome, Firefox, IE and Opera
}
```

Picture: (**Top**) Code in HTML. (**Middle**) Code in CSS. (**Bottom**) Code in the JS file.