



**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.

[illegible]

**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.

```
<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>

<h5 class="card-subtitle">Final Year Project: GraphoGame</h5>



<p class="card-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 h
<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](https://www.w3schools.com/bootstrap4/bootstrap_cards.php) 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.

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <a class="navbar-brand" href="#">Navbar</a>
  <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-cont
  <span class="navbar-toggler-icon"></span>
</button>

<div class="collapse navbar-collapse" id="navbarSupportedContent">
  <ul class="navbar-nav mr-auto">
    <li class="nav-item active">
      <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Link</a>
    </li>
    <li class="nav-item dropdown">
      <a class="nav-link dropdown-toggle" href="#" id="navbarDropdown" role="button" data-toggle="dropdown" aria-ha
      Dropdown
      </a>
      <div class="dropdown-menu" aria-labelledby="navbarDropdown">
        <a class="dropdown-item" href="#">Action</a>
        <a class="dropdown-item" href="#">Another action</a>
        <div class="dropdown-divider"></div>
        <a class="dropdown-item" href="#">Something else here</a>
      </div>
    </li>
    <li class="nav-item">
      <a class="nav-link disabled" href="#">Disabled</a>
    </li>
  </ul>

  <!--Navbar-->
<nav class="navbar navbar-expand-sm bg-secondary navbar-dark" id="navbar">
  <ul class="navbar-nav">
    <li class="nav-item active">
      <a class="nav-link" href="#About-Me">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#About-Me">About Me</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#My-Interests">My Interests</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#Photo-Gallery">Photo Gallery</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#Course-Taken">Courses Taken</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#Contacts">Contact</a>
    </li>
  </ul>
</nav>
```

Home About Me My Interests Photo Gallery Courses Taken Contact

**Picture: (Top)** Code from [bootstrap.com](https://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.

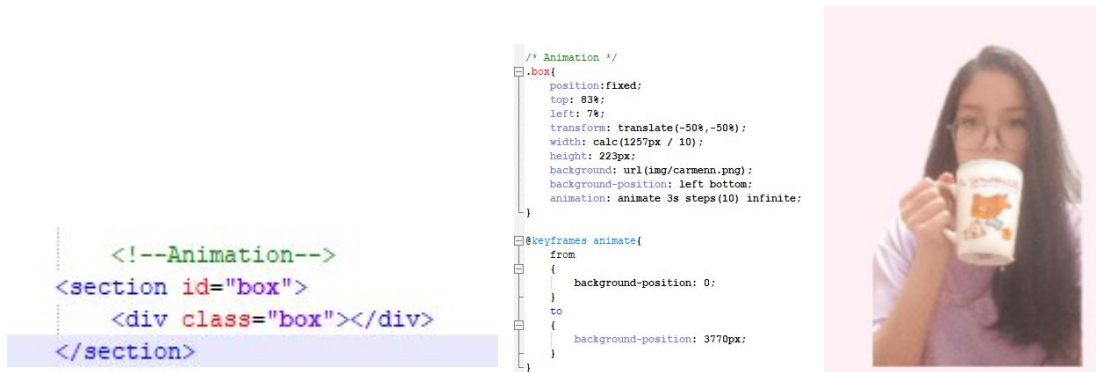
I've used the bootstrap's responsive design features such as navbar, grid and image background to complete this section. Codes can be found in my HTML and CSS file.

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

<pre> &lt;div id="myCarousel" class="carousel slide" data-ride="carousel"&gt;   &lt;!-- Indicators --&gt;   &lt;ol class="carousel-indicators"&gt;     &lt;li data-target="#myCarousel" data-slide-to="0" class="active"&gt;&lt;/li&gt;     &lt;li data-target="#myCarousel" data-slide-to="1"&gt;&lt;/li&gt;     &lt;li data-target="#myCarousel" data-slide-to="2"&gt;&lt;/li&gt;   &lt;/ol&gt;    &lt;!-- Wrapper for slides --&gt;   &lt;div class="carousel-inner"&gt;     &lt;div class="item active"&gt;       &lt;img src="la.jpg" alt="Los Angeles"&gt;     &lt;/div&gt;      &lt;div class="item"&gt;       &lt;img src="chicago.jpg" alt="Chicago"&gt;     &lt;/div&gt;      &lt;div class="item"&gt;       &lt;img src="ny.jpg" alt="New York"&gt;     &lt;/div&gt;   &lt;/div&gt;    &lt;!-- Left and right controls --&gt;   &lt;a class="left carousel-control" href="#myCarousel" data-slide="prev"&gt;     &lt;span class="glyphicon glyphicon-chevron-left"&gt;&lt;/span&gt;     &lt;span class="sr-only"&gt;Previous&lt;/span&gt;   &lt;/a&gt;   &lt;a class="right carousel-control" href="#myCarousel" data-slide="next"&gt;     &lt;span class="glyphicon glyphicon-chevron-right"&gt;&lt;/span&gt;     &lt;span class="sr-only"&gt;Next&lt;/span&gt;   &lt;/a&gt; &lt;/div&gt; </pre>	<pre> &lt;!-- Photo gallery --&gt; &lt;section id="Photo-Gallery"&gt;   &lt;div id="Photo-Gallery" class="carousel slide" data-ride="carousel"&gt;     &lt;!-- Indicators --&gt;     &lt;ol class="carousel-indicators"&gt;       &lt;li data-target="#Photo-Gallery" data-slide-to="0" class="active"&gt;&lt;/li&gt;       &lt;li data-target="#Photo-Gallery" data-slide-to="1"&gt;&lt;/li&gt;       &lt;li data-target="#Photo-Gallery" data-slide-to="2"&gt;&lt;/li&gt;       &lt;li data-target="#Photo-Gallery" data-slide-to="3"&gt;&lt;/li&gt;     &lt;/ol&gt;      &lt;!-- The slideshow --&gt;     &lt;div class="carousel-inner"&gt;       &lt;div class="carousel-item active"&gt;         &lt;img src="img/carmen-dean.jpg" alt="Los Angeles style=" width="100%;"/&gt;         &lt;div class="carousel-caption"&gt;           &lt;h3&gt;My first Dean List award&lt;/h3&gt;           &lt;p&gt;Year 1 Semester 1&lt;/p&gt;         &lt;/div&gt;       &lt;/div&gt;       &lt;div class="carousel-item"&gt;         &lt;img src="img/dr-akeem.jpg" alt="Group Photo cognitive science student"&gt;         &lt;div class="carousel-caption"&gt;           &lt;h3&gt;Last Picture with Dr Akeem&lt;/h3&gt;           &lt;p&gt;He had to moved to KL, we were so sad of him leaving.&lt;/p&gt;         &lt;/div&gt;       &lt;/div&gt;       &lt;div class="carousel-item"&gt;         &lt;img src="img/christmas.jpg" alt="Celebrating Christmas with friends"&gt;         &lt;div class="carousel-caption"&gt;           &lt;h3&gt;Celebrating Christmas with Friends&lt;/h3&gt;           &lt;p&gt;We had such a great time&lt;/p&gt;         &lt;/div&gt;       &lt;/div&gt;       &lt;div class="carousel-item"&gt;         &lt;img src="img/dean-friends.jpg" alt="Dean List award ceremony with friends"&gt;         &lt;div class="carousel-caption"&gt;           &lt;h3&gt;What are celebration without friends?&lt;/h3&gt;           &lt;p&gt;Featuring my 2 best friends&lt;/p&gt;         &lt;/div&gt;       &lt;/div&gt;     &lt;/div&gt;   &lt;/div&gt; </pre>
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**Pictures: (Left)** code source from [w3school](https://w3school.com). **(Right)** is the code that I adapted and used in my portfolio.

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.



**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>

#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: 12px; /* 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.