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Report of Web Programming Quiz 1

1. Links

Link to my Finished Website: <https://josephericamadeo.000webhostapp.com/quiz1/>

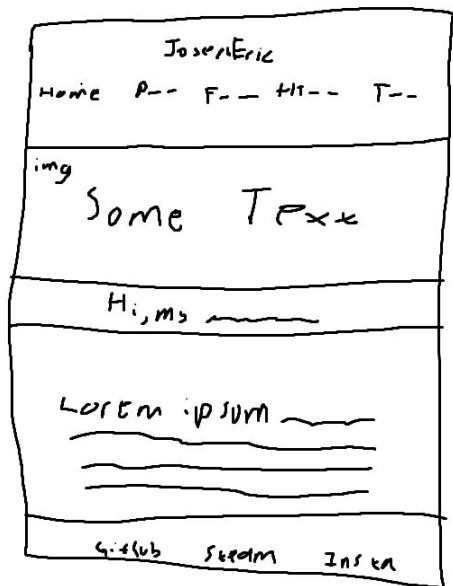
Link to the GitHub Repository:

<https://github.com/josepheric/WebProgramming-Quiz1-JosephEric>

2. Design

How i design my page: I didn't use any UI/UX design app (like Adobe XD). I made a rough sketch of my website layout using Microsoft Paint. Then, i made the page in HTML & CSS.

Here's one of the sketch:



My goal was to make a web page with a minimalistic black & white design. I'm using typography as my main design tool, therefore i spent a lot of time finding the right fonts. I used 5 fonts for my web:

- Commissioner
- Open Sans
- Roboto
- Grand Hotel Family
- Overpass Mono

I used google font API's to import all my fonts:

<https://fonts.googleapis.com/css2?family=Commissioner:wght@100;197&family=Open+Sans&family=Roboto:ital,wght@1,100&family=Grand+Hotel&family=Overpass+Mono:wght@300&display=swap> rel="stylesheet"

I mainly used:

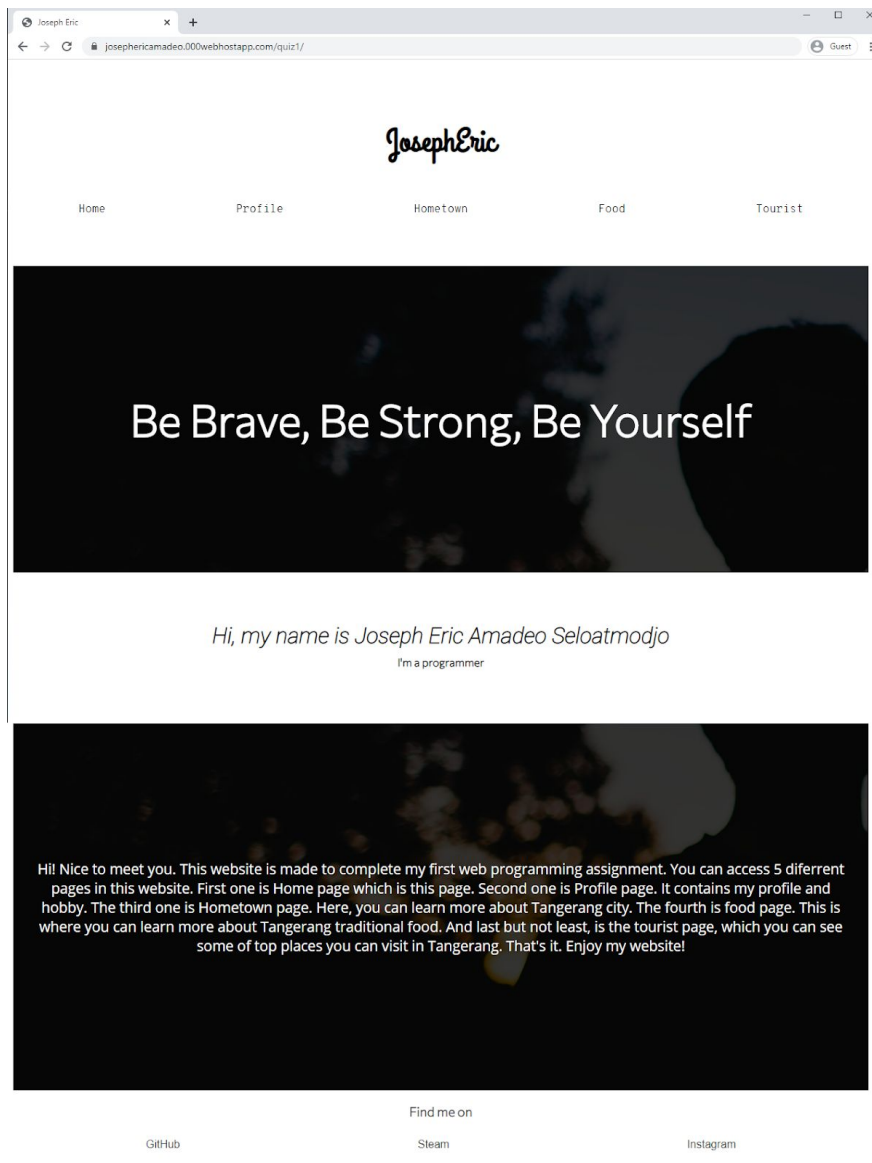
background-image: url(..img/img.jpg)
background-blend-mode: multiply / screen / overlay
background-attachment: fixed / scroll

To make a section with background image and some text on top of it. Further details will be explained in section 4.HTML and CSS Code Explanation in this report.

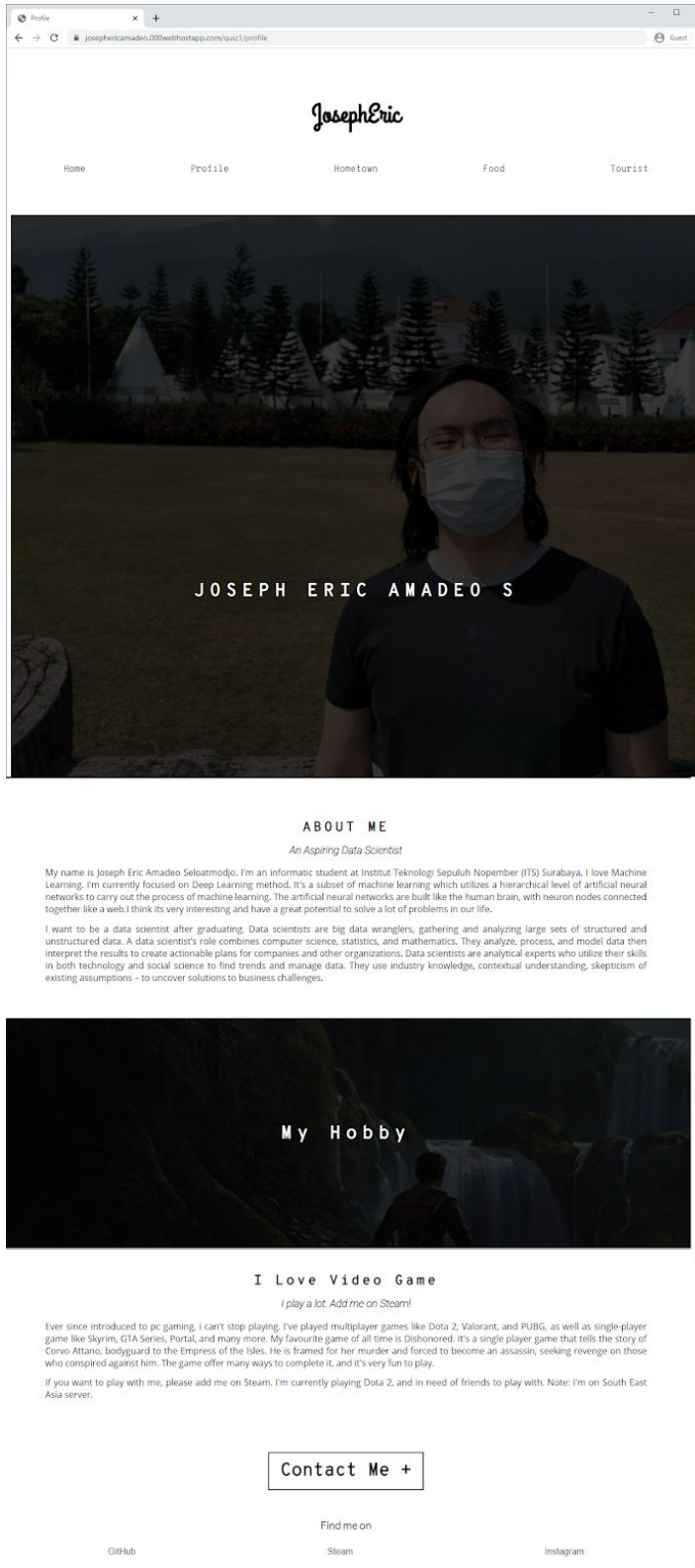
For paragraph section without any background image, i only used <p> tags in HTML and adjust its font and padding in CSS.

3.Screenshot of my website design:

Home Page: <https://josephericamadeo.000webhostapp.com/quiz1/>



Profile Page: <https://josephericamadeo.000webhostapp.com/quiz1/profile>



When Contact Me button is pressed, a form will be shown:

I Love Video Game

I play a lot. Add me on Steam!

Ever since introduced to pc gaming, I can't stop playing. I've played multiplayer games like Dota 2, Valorant, and PUBG, as well as single-player game like Skyrim, GTA Series, Portal, and many more. My favourite game of all time is Dishonored. It's a single player game that tells the story of Corvo Attano, bodyguard to the Empress of the Isles. He is framed for her murder and forced to become an assassin, seeking revenge on those who conspired against him. The game offer many ways to complete it, and it's very fun to play.

If you want to play with me, please add me on Steam. I'm currently playing Dota 2, and in need of friends to play with. Note: I'm on South East Asia server.

Contact Me ×

Email

Your message

Send Message

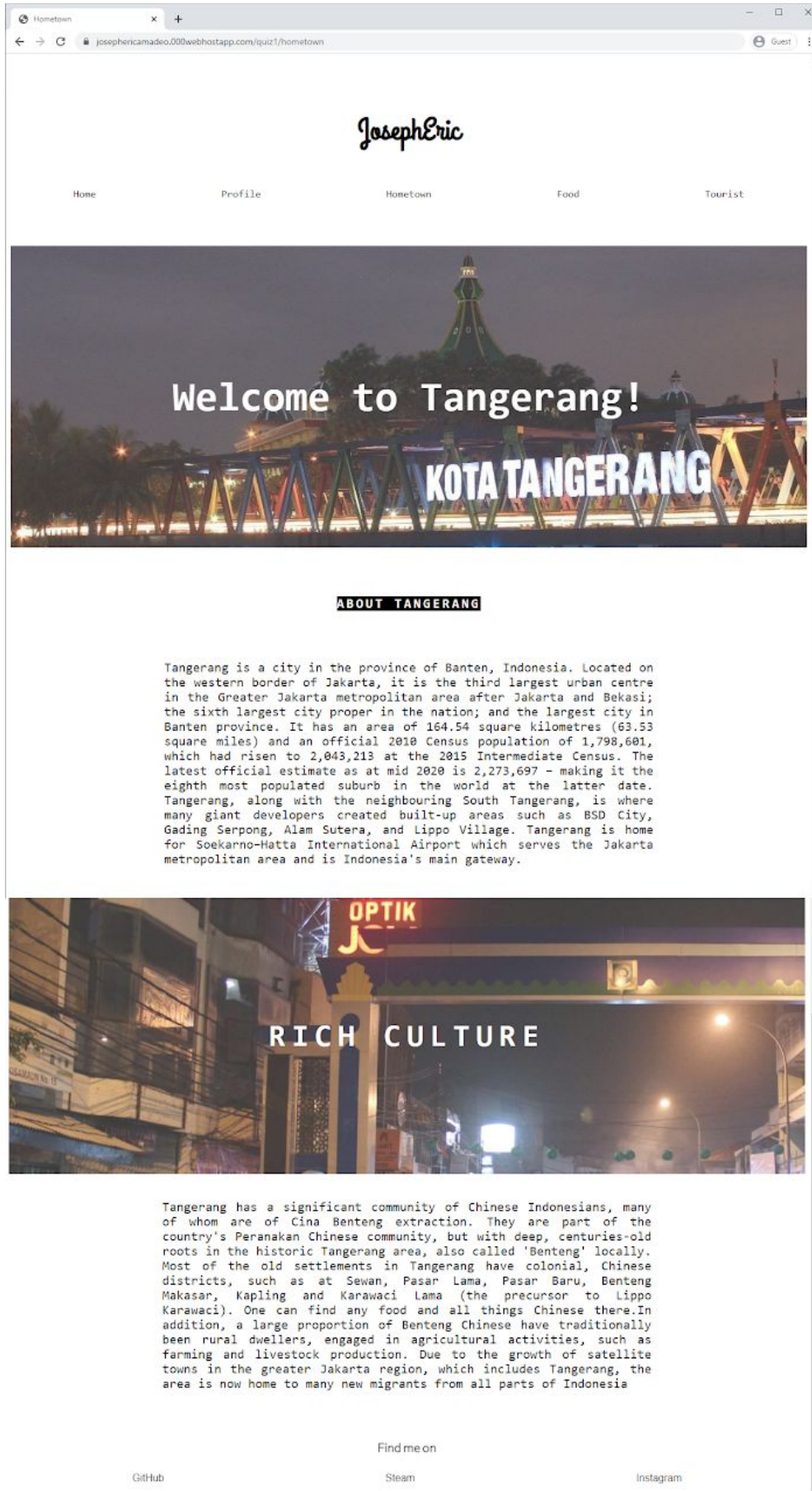
Find me on

GitHub

Steam

Instagram

Hometown Page: <https://josephericamadeo.000webhostapp.com/quiz1/hometown>



JosephEric

Home

Profile

Hometown

Food

Tourist

Welcome to Tangerang!

KOTA TANGERANG

ABOUT TANGERANG

Tangerang is a city in the province of Banten, Indonesia. Located on the western border of Jakarta, it is the third largest urban centre in the Greater Jakarta metropolitan area after Jakarta and Bekasi; the sixth largest city proper in the nation; and the largest city in Banten province. It has an area of 164.54 square kilometres (63.53 square miles) and an official 2010 Census population of 1,798,601, which had risen to 2,043,213 at the 2015 Intermediate Census. The latest official estimate as at mid 2020 is 2,273,697 - making it the eighth most populated suburb in the world at the latter date. Tangerang, along with the neighbouring South Tangerang, is where many giant developers created built-up areas such as BSD City, Gading Serpong, Alam Sutera, and Lippo Village. Tangerang is home for Soekarno-Hatta International Airport which serves the Jakarta metropolitan area and is Indonesia's main gateway.

RICH CULTURE

Tangerang has a significant community of Chinese Indonesians, many of whom are of Cina Benteng extraction. They are part of the country's Peranakan Chinese community, but with deep, centuries-old roots in the historic Tangerang area, also called 'Benteng' locally. Most of the old settlements in Tangerang have colonial, Chinese districts, such as at Sewan, Pasar Lama, Pasar Baru, Benteng Makasar, Kapling and Karawaci Lama (the precursor to Lippo Karawaci). One can find any food and all things Chinese there. In addition, a large proportion of Benteng Chinese have traditionally been rural dwellers, engaged in agricultural activities, such as farming and livestock production. Due to the growth of satellite towns in the greater Jakarta region, which includes Tangerang, the area is now home to many new migrants from all parts of Indonesia

Find me on

GitHub

Steam

Instagram

Food Page: <https://josephericamadeo.000webhostapp.com/quiz1/food>

What to Eat at Tangerang

JosephEric

HomeProfileHome townFoodTourist



Food of Tangerang

Introducing 4 local food of Tangerang:



*Laksa
Tangerang*

Laksa is a food that has the combination of Malay and Chinese taste. This particular food is popular in some Asian Countries, especially in Malaysia which Penang is very popular. Indonesia has some variation of Laksa, one of which is Laksa Tangerang. It has noodle, bean sprouts, and a thick yellow soup. It has become one of Tangerang most favourite food.

Dodol Ny. Lauw

Dodol is an Indonesian sweet toffee-like sugar palm-based confection. It is made from coconut milk, jaggery, and rice flour, and is sticky, thick, and sweet. Dodol Ny. Lauw is a Tangerang specialty and has unique flavour.





Es Kode

This is actually not a food, but a restaurant's name. It mainly sells juice. What makes it special? The juice served all has a big portion, and it's made from fresh fruit only. They make the juice in front of you, and they don't need to add sugar to make it sweet. This is one of Tangerang most famous restaurant.

Kecap Benteng

Kecap is Indonesian sweet soy sauce. It's very common to be found in any Indonesian foods. Tangerang has its special kecap, which is called kecap benteng. It starts producing in 1920's, and has become Tangerang's people choice since then. You can find this kecap used in many street food vendor and restaurant in Tangerang.



Find me on

GitHubSteamInstagram

Tourist Page:
<https://josephericamadeo.000webhostapp.com/quiz1/tourist>



4. Pseudocodes

4.1 Pseudocode for the navigation bar

1. **if** mouse hover over navigation item **then**
2. Change navigation item's text color to gray
3. Give underline to navigation item's text
4. **if** navigation item is clicked **then**
5. Visit the link
6. **end if**
7. **else**
8. navigation item's text color is black
9. navigation item's text not underlined
10. **end if**

4.2 Pseudocode for footer

1. **if** mouse hover over footer item **then**
2. Change footer item's text color to gray
3. Give underline to footer item's text
4. **if** footer item is clicked **then**
5. Visit the link
6. **end if**
7. **else**
8. footer item's text color is black
9. footer item's text not underlined
10. **end if**

4.3 Pseudocode for 'Contact Me' form

1. **If** mouse hover over 'contact me' button **then**
2. Change button's background color to black
3. Change button's text color to white
4. **If** button is pressed **then**
5. Show form
6. **else**
7. Form is hidden
8. **End if**
9. **else**
10. Button's background color is white
11. Button's text color is black
12. **End if**

5. HTML and CSS Code Explanation

5.1 Importing CSS & Fonts

```
<link rel="stylesheet" href="css/styles.css">
```

To link HTML with CSS

```
<link
```

```
href="https://fonts.googleapis.com/css2?family=Commissioner:wght@100;197&family=Open+Sans&family=Roboto:ital,wght@1,100&family=Grand+Hotel&family=Overpass+Mono:wght@300&display=swap" rel="stylesheet">
```

To Import fonts from google font

5.2 Title, Header, & Footer

All of the web pages have the same title, header, and footer:

HTML Code:

- To make page title

```
<title>Joseph Eric</title>
```

- To make my logo

```
<h1 class="logo"><a href="index.html">JosephEric</a> </h1>
```

- To make Navigation Bar

```
<header>
```

```
<nav>
```

```
<ul>
```

```
<li><a href="index.html">Home</a></li>
```

```
<li><a href="profile.html">Profile</a></li>
```

```
<li><a href="hometown.html">Hometown</a></li>
```

```
<li><a href="food.html">Food</a></li>
```

```
<li><a href="tourist.html">Tourist</a></li>
```

```
</ul>
```

```
</nav>
```

```
</header>
```

The navigation bar was made using unordered list. Each list item links to different web page.

- To make footer

```
<footer>
```

```
<h3>
```

```
Find me on
```

```
</h3>
```

```
<ul>
```

```
<li><a href="https://github.com/josepheric">GitHub</a></li>
```

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

```
<li><a href="#">Instagram</a></li>
</ul>
</footer>
```

CSS Code:

- To make my logo:

```
.logo {
  font-family: 'Grand Hotel', cursive;
  text-align: center;
  font-size: 3rem;
}
```

Explanation: I chose Grand Hotel, cursive as my font to give “handwritten” looks in my logo. Then I put it in the center using text-align center, and adjust its size using font-size.



- To make my navigation bar:

```
header {
  padding: 5em 0 4em;
}
```

#I used padding to generate space around the navbar

```
nav ul{
  display: flex;
  list-style: none;
  margin: 0;
  padding: 3em 0 0;
  justify-content: space-around;
  font-family: 'Overpass Mono', monospace;
}
```

I used display flex to make flexible layout for the navigation bar. Then used list-style:none to remove any styling on the list. Justify-content:space-around used to make list positioned with space before, between, and after the lines

```
nav a {
  display: inline-block;
  padding: 0.5em;
  color: rgb(0, 0, 0);
  text-decoration: none;
}
```

display: inline-block to make each item list sit next to each other (horizontally). Then used text-decoration:none to remove any decoration from the links.

```
nav a:hover,
nav a:focus
{
    color: gray;
    text-decoration: underline;
}
```

This part is to specify what happened when a mouse hover on top of a list item. In this case, the text will change color to gray, and will have underline.

Home Profile Hometown Food Tourist

- Footer

```
footer{
    background: white;
    color: gray;
    height:1px;
    margin: 0;
    padding: 0em;
}
```

#Adjusting background color, padding, margin, text color and footer height

```
footer h3{
    font-family: 'Commissioner', sans-serif;
    text-align: center;
    color:rgb(70, 70, 70) ;
}
```

#To style "Find me on" text

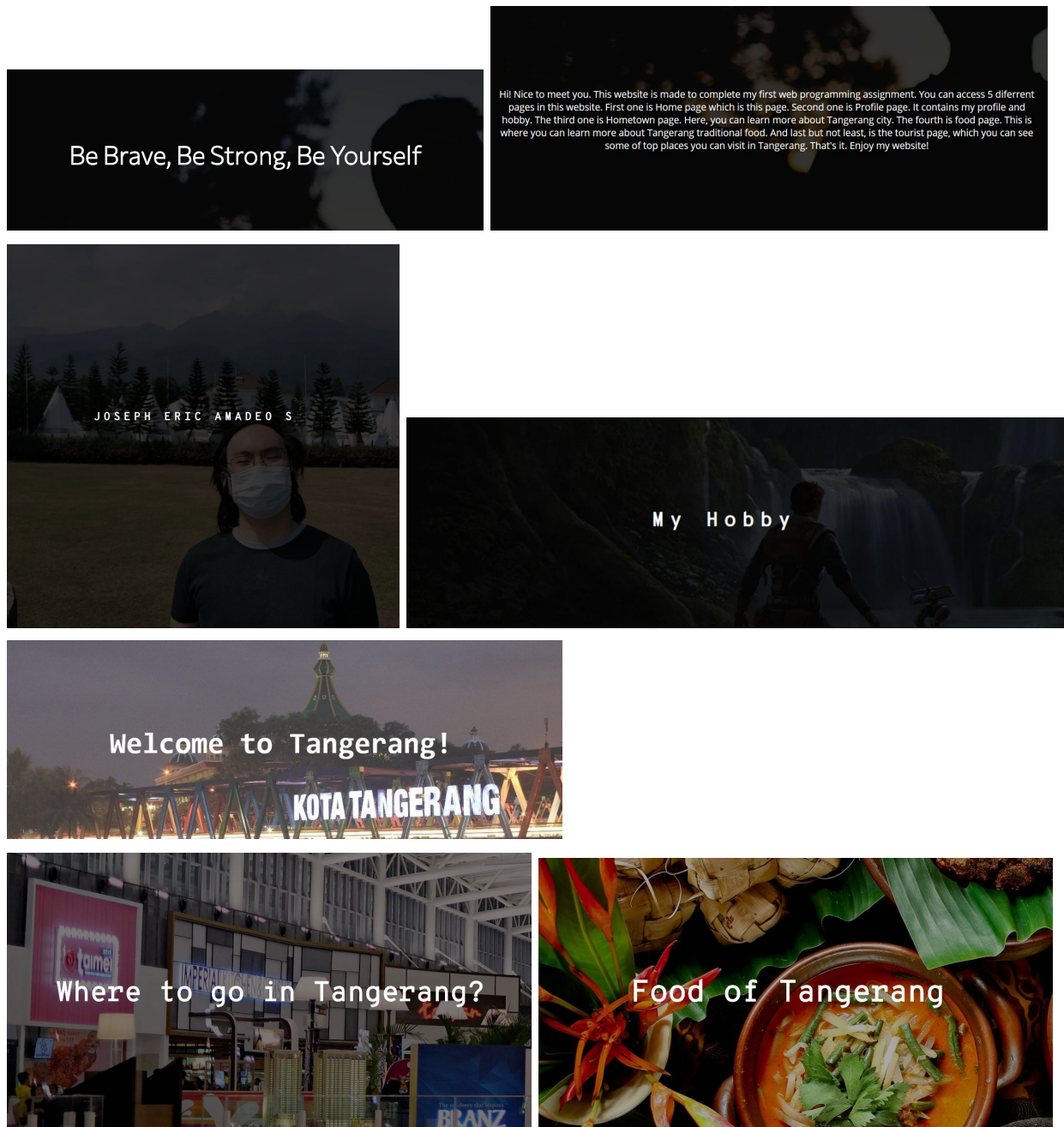
Footer a, footer a:hover, and footer a:focus class have similar content with the navigation bar code. It determine the style of each item in the list in order to become a footer.

Find me on

GitHub Steam Instagram

5.3 Some text with background image section

I have some sections in my webpages that use this kind of design. Those sections are as following:



All of this sections have similar codes. I'm going to use HTML & CSS code from the section with "Be Brave, Be Strong, Be yourself" to explain them.

Html:

```
<section class="foto">
  <h2 class="quotes">Be Brave, Be Strong, Be Yourself</h2>
</section>
```

Css:

```
.quotes {
  background-color: #333; //To change background color to light black
  background-image: url(../img/notme.jpg); //set a background image
  background-blend-mode: multiply; //This will make the background image darkened
  background-attachment: fixed;
/* This will make the background image stay still in a fixed position, even when the user scroll
through the web page.*/
  background-size: cover;
// This will stretch the background image to fit the page
  Color:white;
//This will set the font color
  text-align: center;
//This will set the text sit in the center
  padding: 15vh 1em
//set padding
}
.foto
{
  padding: 0em;
}
```

Explanation: i set a h2 as class quotes in HTML. Then i style it CSS. I put the background image using *background-image* code, then use *background-blend-mode* to give a filter on the image. I use multiply & overlay to darken the image (ex: home & food page), and screen to lighten the color (ex:Hometown page). *Background-attachment* is *fixed* on those sections, except the section with 'Welcome to Tangerang' text (it uses *scroll* instead of *fixed*).

5.4 Short text and paragraph without background image sections

I have several sections with text and paragraph that only has white background (in order to achieve minimalistic look). Those sections are as following:

Hi, my name is Joseph Eric Amadeo Seloatmodjo

I'm a programmer

ABOUT ME

An Aspiring Data Scientist

My name is Joseph Eric Amadeo Seloatmodjo. I'm an informatic student at Institut Teknologi Sepuluh Nopember (ITS) Surabaya. I love Machine Learning. I'm currently focused on Deep Learning method. It's a subset of machine learning which utilizes a hierarchical level of artificial neural networks to carry out the process of machine learning. The artificial neural networks are built like the human brain, with neuron nodes connected together like a web. I think it's very interesting and has a great potential to solve a lot of problems in our life.

I want to be a data scientist after graduating. Data scientists are big data wranglers, gathering and analyzing large sets of structured and unstructured data. A data scientist's role combines computer science, statistics, and mathematics. They analyze, process, and model data then interpret the results to create actionable plans for companies and other organizations. Data scientists are analytical experts who utilize their skills in both technology and social science to find trends and manage data. They use industry knowledge, contextual understanding, skepticism of existing assumptions – to uncover solutions to business challenges.

I Love Video Game

I play a lot. Add me on Steam!

Ever since introduced to pc gaming, i can't stop playing. I've played multiplayer games like Dota 2, Valorant, and PUBG, as well as single-player game like Skyrim, GTA Series, Portal, and many more. My favourite game of all time is Dishonored. It's a single player game that tells the story of Corvo Attano, bodyguard to the Empress of the Isles. He is framed for her murder and forced to become an assassin, seeking revenge on those who conspired against him. The game offer many ways to complete it, and it's very fun to play.

If you want to play with me, please add me on Steam. I'm currently playing Dota 2, and in need of friends to play with. Note: I'm on South East Asia server.

ABOUT TANGERANG

Tangerang is a city in the province of Banten, Indonesia. Located on the western border of Jakarta, it is the third largest urban centre in the Greater Jakarta metropolitan area after Jakarta and Bekasi; the sixth largest city proper in the nation; and the largest city in Banten province. It has an area of 164.54 square kilometres (63.53 square miles) and an official 2010 Census population of 1,798,601, which had risen to 2,043,213 at the 2015 Intermediate Census. The latest official estimate as at mid 2020 is 2,273,697 – making it the eighth most populated suburb in the world at the latter date. Tangerang, along with the neighbouring South Tangerang, is where many giant developers created built-up areas such as BSD City, Gading Serpong, Alam Sutera, and Lippo Village. Tangerang is home for Soekarno-Hatta International Airport which serves the Jakarta metropolitan area and is Indonesia's main gateway.

Those sections have similar HTML & CSS codes. I will use the first section to explain the code.

Html:

```
<section class="introduction">
  <header>
    <h2 class="section-title">
      Hi, my name is Joseph Eric Amadeo Seloatmodjo
    </h2>
    <h3 class="programmer">I'm a programmer</h3>
  </header>
  <p class="explanation">
    Some text </p>
</section>
```

CSS:


```

.programmer{
  font-family: 'Commissioner', sans-serif;
  text-align: center;
  font-size: 1em;
}
.section-title {
  font-family: 'Roboto', sans-serif;
  text-align: center;
  font-size: 2em;
}

```

I used font family to choose the font, text-align: center to make the text align in the center. Font-size used to adjust font size. I used h2 and h3 tags on HTML according to the text size that i want. For long paragraph, i used p tags.

Special Case:

ABOUT TANGERANG

In order to achieve to make this section, i put the text inside a span tag, so that the black background will only be limited to the length of the text itself. Then i set its background color to black, and its text color white. Here's the CSS code:

```

.explanationTgr h2 span{
  background-color: black; //This will make about me text has black background
  color: white; //this will set the font color to white
}

```

5.5 Section with 2 columns

TOURIST ATTRACTIONS

Introducing 4 local food of Tangerang:



Laksa Tangerang

Laksa is a food that has the combination of Malay and Chinese taste. This particular food is popular in some Asian Countries, especially in Malaysia which Laksa Penang is very popular. Indonesia has some variation of Laksa, one of which is Laksa Tangerang. It has noodle, bean sprouts, and a thick yellow soup. It has become one of Tangerang most favourite food.

Dodol Ny. Lauw

Dodol is an Indonesian sweet toffee-like sugar palm-based confection. It is made from coconut milk, jaggery, and rice flour, and is sticky, thick, and sweet. Dodol Ny. Lauw is a Tangerang specialty and has unique flavour.



Tangerang is mostly a metropolitan area, which means the road can be heavily traffic congested. Some modern housing development like Gading Serpong, BSD, and Alam Sutra has a better traffic and offers a lot of attraction such as shopping malls, restaurants, and golf courses. If you're into culture and history, Pasar Lama area is a must go. It contains a lot of Tangerang oldest shops and houses. Here i will list some of Tangerang most popular tourist attractions.



IKEA

IKEA is an international company that designs and sells ready-to-assemble furniture, kitchen appliances and home accessories. IKEA Alam Sutra is the first and only (at the time of writing) IKEA shop in Indonesia. This has made it a popular spot to visit by people from all of Indonesia.

AEON BSD

AEON is a shopping mall group from Japan. It opens its first Indonesia mall in BSD. This shopping mall has a different concept from other Indonesia shopping malls. It offers a lot of Japanese foods and goods, as well as spacious parking spots which makes it one of the most visited mall in Indonesia.



The above section has 2 columns. I will use the left one to explain the codes.

HTML:

```
<h2 class="whitetitle">  
    Introducing 4 local food of Tangerang:
```

```
</h2>
```

```
</section>
```

```
<!-- Baris 1 -->
```

```
<div class="row">
```

```
<div class="column">
```

```
    
```

```
</div>
```

```
<div class="column">
```

```
    <div class="food1">
```

```
        <h2 class="laksa">Laksa Tangerang</h2>
```

```
        <p class="plaksa">
```

Laksa is a food that has the combination of Malay and Chinese taste. This particular food is popular in some Asian Countries, especially in Malaysia which Laksa Penang is very popular.

Indonesia has some variation of Laksa, one of which is Laksa Tangerang. It has noodle, bean sprouts, and a thick yellow soup. It has become one of Tangerang most favourite food.

```
    </p>
```

```
    </div>
```

```
</div>
```

```
</div>
```

```
<!-- Baris 2 -->
```

```
<div class="row">
```

```
    <div class="column">
```

```
        <div class="food">
```

```
            <h2 class="laksa">Dodol Ny. Lauw</h2>
```

```
            <p class="plaksa">
```

Dodol is an Indonesian sweet toffee-like sugar palm-based confection. It is made from coconut milk, jaggery, and rice flour, and is sticky, thick, and sweet. Dodol Ny. Lauw is a Tangerang specialty and has unique flavour.

```
        </p>
```

```
        </div>
```

```
    </div>
```

```
    <div class="column">
```

```


</div>
</div>
```

Explanation: i defined a row class using div tag. Inside the row class, i define 2 column (as class column.)

And here's the CSS:

```
.row {
  display: flex;
  flex-wrap: nowrap;
  padding-bottom: 5em;
}

.column {
  padding: 0em 5em 0em 5em;
  flex: 50%;
  color:rgb(41, 41, 41);
}
```

Explanation: The row class indicates a new row. The Column class then split the row in half using flex:50%.

6. JavaScript code explanation

I only used javascript to make a "contact me" form in the Profile page.

Contact Me +

When this button is clicked, this form will appear:

Contact Me

Email

loreem@ipsum.com

Your message

Write your message here...

Send Message

The following are the HTML & CSS code for this form.

```

<section class = sectionform>
  <div class="contact" id="contact">
    <h2 onClick="toggleClass()">Contact Me <span>+</span></h2>
    <form>

      <div class="row">
        <div class="col-1">
          <label>Email</label>
          <input type="text" name="" class="text" placeholder="loreem@ipsum.com">
        </div>
        <div class="col-2">

        </div>
      </div>
      <div class="row">
        <div class="col-1">
          <label>Your message</label>
          <textarea placeholder="Write your message here..."></textarea>
        </div>
      </div>
      <div class="row">
        <div class="col-1">
          <input type="submit" name="" value="Send Message">
        </div>
      </div>
    </form>
  </div>
</section>

```

```

        </div>
    </form>
</div>
<script type="text/javascript">
    function toggleClass(){
        var element = document.getElementById("contact");
        element.classList.toggle("active")
    }
</script>
</section>

```

Explanation:

The part highlighted in yellow is the javascript part. I created a function called toggleClass which is used to show the form when a click happened. When clicked, an “active” status will take place.

CSS code:

```

.sectionform
{
    margin: 0;
    padding: 0;
    display: flex;
    justify-content: center;
    align-items: center;
    font-family: consolas;
    min-height: 10vh;
}

.contact
{
    box-sizing: border-box;
    border: 2px solid #000;
    cursor: pointer;
}

```

#Explanation: .contact class is used to make a box and determine its size

```

.contact:hover
{
    background: #000;
    color: #fff;
}

```

#.contact:hover will control what happened when mouse hover over the contact me text

```

.contact.active:hover

```

```
{  
    background: #fff;  
    color: #000;  
}
```

```
.contact.active
```

```
{  
    min-width: 800px;  
}
```

above code set the width, backgroundcolor, and text color when about me text is clicked

```
.contact h2
```

```
{  
    margin: 0;  
    padding: 20px;  
    width: 100%;  
    box-sizing: border-box;  
    font-family: 'Overpass Mono', monospace;  
    font-size: 2em;  
}
```

```
.contact h2 span
```

```
{  
    display: inline-block;  
}
```

```
.contact.active h2 span
```

```
{  
    transform: rotate(45deg);  
    float: right;  
}
```

The above code will rotate the '+' sign into 'x'
form

```
{  
    padding: 20px;  
    box-sizing: border-box;  
}
```

```
.contact .row
```

```
{  
    width: 100%;  
    display: flex;  
    flex-wrap: wrap;  
}
```

```
.contact .row .col-1
```

```
{  
    width: 100%;
```



```
        box-sizing: border-box;
    }
```

```
.contact label
{
    display: block;
    font-size: 18px;
    margin-bottom: 5px;
    font-weight: bold;
}
```

```
.contact input.text,
.contact textarea
{
    width: 100%;
    border: 2px solid #000;
    padding: 10px;
    outline: none;
    box-sizing: border-box;
    font-weight: bold;
    font-size: 18px;
    font-family: 'Overpass Mono', monospace;
    resize: none;
}
```

```
.contact textarea
{
    height: 150px;
}
```

```
.contact input[type="submit"]
{
    border: 2px solid #000;
    padding: 10px;
    font-size: 18px;
    color: #fff;
    background: #000;
    font-family: 'Overpass Mono', monospace;
    outline: none;
    font-weight: bold;
    cursor: pointer;
}
```

```
.contact form
{
    visibility: hidden;
}
```

```

        display: none;
        transition: 0.5s;
    }
    # Visibility: hidden will hide the form when the condition is not active
    .contact.active form
    {
        visibility: visible;
        display: block;
    }
    # The above code will display the form when the toggle condition is active

```

6. Additional Info

In order to make the browser remove .html extension in url bar, i put some rewrite rule in .htaccess file:

RewriteEngine on

```

# This will hide any index.html on the url bar, so it will display:
# https://josephericamadeo.000webhostapp.com/quiz1/
# instead of https://josephericamadeo.000webhostapp.com/quiz1/index.html

```

```

RewriteRule ^index\.html$ / [R=301,L]
RewriteRule ^(.*)/index\.html$ /$1/ [R=301,L]

```

```

# This will remove any .html extension in the url bar, so it will display:
# https://josephericamadeo.000webhostapp.com/quiz1/profile
# instead of https://josephericamadeo.000webhostapp.com/quiz1/profile.html

```

```

RewriteCond %{THE_REQUEST} /([^.]+)\.html [NC]
RewriteRule ^ /%1 [NC,L,R]

```

```

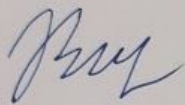
RewriteCond %{REQUEST_FILENAME}.html -f
RewriteRule ^ %{REQUEST_URI}.html [NC,L]

```

I also redirect (using 302-Moved Temporarily)
<https://josephericamadeo.000webhostapp.com/>
to <https://josephericamadeo.000webhostapp.com/quiz1>

By the name of Allah (God) Almighty, herewith
i pledge and truly declare that i have solved Quiz 1
by myself, didn't do any cheating by any means, didn't
do any plagiarism, and didn't accept anybody's help by
any means. I am going to accept all of the consequences by
any means if it has proven that i have been any
cheating and/or plagiarism

Tangerung, 16 October 2020



Joseph Eric Amadeo Seloatmodjo

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