Quiz 1: Static Website
Web Programming (E)

05111840000073 Lii'zza Aisyah Putri Sulistio

Lecturer:
Misbakhul Munir Irfan Subakti, S.Kom., M.Sc.

Department of Informatics Engineering
Faculty of Intelligent Electrical and Informatics Technology
Institut Teknologi Sepuluh Nopember (ITS)
Surabaya
2020

A. Design
   1. Color Palette
      These are the main color palette that I use on my website:

Dark Sienna #380B0E	Melon #FFB5A7
Ruber #9496C	Pale Pink #FCD5CE
Blush #D5728C	Peach Puff #F9DCC4
Lavender Blush #FAEFF2	Peach Crayola #FEC89A

   2. Fonts
      These are the list of fonts that I use on my website:

| Cookie |
| The quick brown fox jumps over the lazy dog. |
| Handlee |
| The quick brown fox jumps over the lazy dog. |
| Merriweather |
| The quick brown fox jumps over the lazy dog. |

   3. Mockup
      I used a prototyping tool for designing the webpages, the I transform it to CSS.
      URL: https://framer.com/share/WebPro-Quiz1--7UBb5gYf5fzC5PvjxZiA

   4. Search and Make the Assets and Script
      I tried to make the assets by myself but unfortunately I can only finished the local
      foods webpage, so for the rest of the webpages (Hometown and Tourist Places), I
      took the photos from their original (official) sites which I also give them a credit
      under the photos I used on my webpage.

B. Pseudo-Codes

These are the pseudo-codes for the JavaScript. To be honest, I do not know how to make the pseudo-codes for HTML and CSS.

```
if (webpage==open)
then
  write(Please set the browser as fullscreen for better
  experience!"))



declaration:
modal = modal_id;
i;

img = image_id;
modal_img = img01;
modal_info = modal-info;

for i:=0 to img.length
  if (img[i]==click)
  then
    write(modal);
    write(image);
    write(caption);

  if (close==click)
  then
    delete(modal);
```
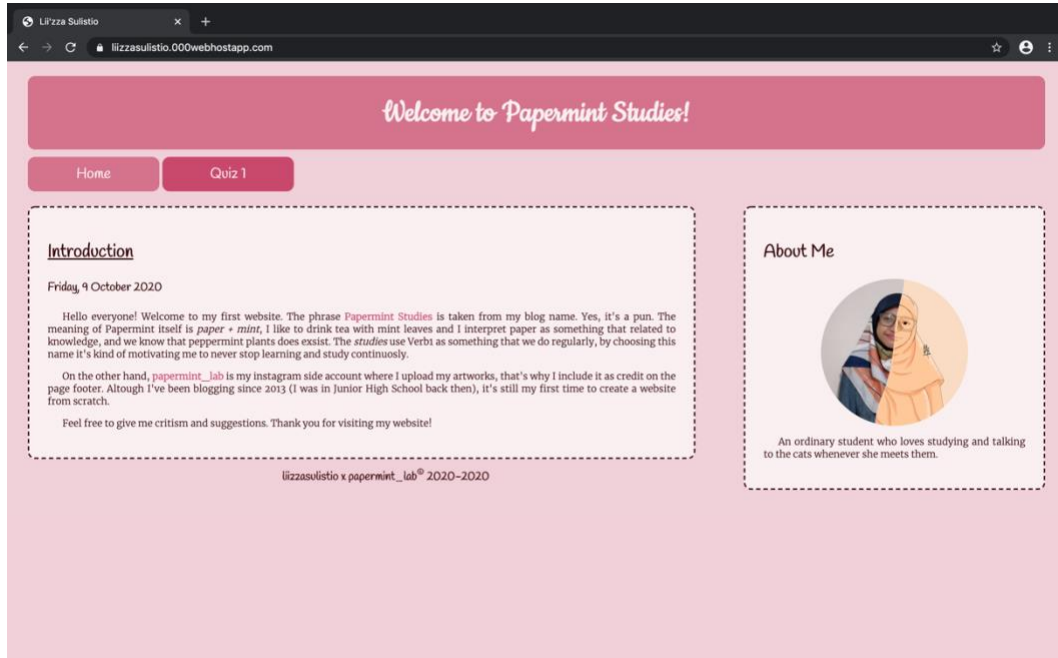
C. Source-Codes and Screenshots

All of the source codes are also uploaded on my github.

Github   : https://github.com/liizzasulistio/WebPro_Quiz1
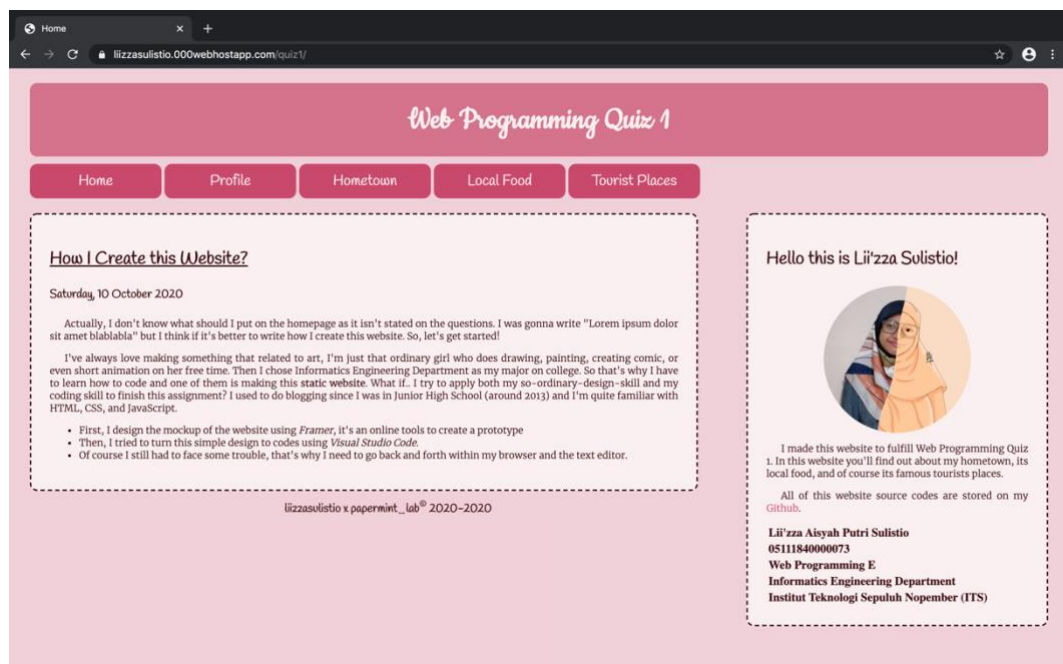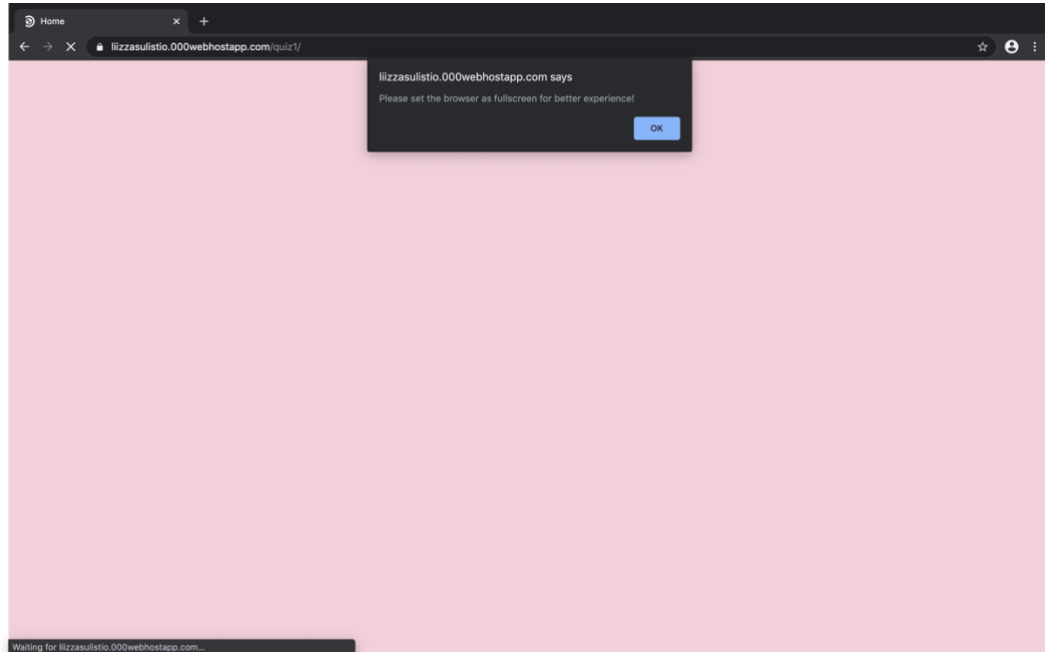Website   : https://liizzasulistio.000webhostapp.com/

Screenshot

1. Homepage

   In this homepage part, I will explain about the website template in general or the codes I use on every part of the website.

   URL: https://liizzasulistio.000webhostapp.com/quiz1/

   Screenshot

HTML	
`<!DOCTYPE HTML>`	is used to declared that this is HTML document.

`<HTML lang="en">`
…
`</HTML>`
	is the beginning of HTML document. Then *lang* is the abbreviation of *language* and *en* is the code of English, so this line of code is basically declare the language use in this

	website, the purpose is to assist search engines and browsers.
`<HEAD> …` `</HEAD>`	is the head of website, it's used to declare the websites' meta data, fonts, and the title of the page.
`<meta charset="UTF-8">`	is used to give the page's information to search engines and browsers to do the character encoding using *utf-8*, and *charset* itself is the abbreviation of *character set.*
`<meta name="viewport" content="width=device-width, initial-scale=1.0">`	is used to arrange the visibility of the website as we may know that devices have a lot of different screen, the purpose of adding this tag is to make the website resize and scaling its webpage so all of the user can see the site's contents no matter what devices they use.
`<link href='https://fonts.googleapis.com/css?family=Cookie' rel='stylesheet' type='text/css'>`	is used to declare which fonts are used in this website and refer to the other site or source that provides the fonts.
`<link rel="stylesheet" href="styles.css">`	is used to refer the external CSS file which is used to design this website.
`<TITLE>Home</TITLE>`	is the title of the page, it will be shown as the tab name on the browsers.

`<BODY>`
`…`
`</BODY>`
	is the tag that wrapped the website's contents.

`<script>`
`…`
`</script>`
	is used to initialized JavaScript, whether it's internal or external JavaScript.

`<!--HEADER AND NAVIGATION BAR-->`	is used to give commends on the HTML documents.
`<div class="header">`	is used to define the division or section which followed by *class="…"* or *id="…"* in HTML documents and as a container if the elements is styled in CSS or is manipulated using JavaScript. It
`<h1>Web Programming Quiz 1</h1>`	is used to define the HTML heading, another alternative of *h1* are *h2* until *h6*, and the bigger the number the smaller the heading.
`<a class="button" href="index.html">Home</a>`	is used to declare the hyperlink and followed by *href* which connected one page to another page.
`<img src="assets/profile.png" alt="avatar" class="avatar">`	is used to declare an image datatype with *src* as the source of the image, *alt* or *alternative* that contains the image information as a tag if the browsers cannot load the images.

`<table>`
`<tr><th>Lii'zza Aisyah Putri Sulistio</th></tr>`
`</table>`
	is used to declare the table on HTML which followed by *<tr>* that defined row, *<td>* that defined cell, and *<th>* that defined the table header.

`<p>Actually, I don't know what should I put on the homepage as it isn't stated on the questions. … </p>`	is used to declare paragraph in HTML documents.
`<ul style="list-style-type: disc;">` `<li> Of course I still had to face some trouble, that's why I need to go back and forth within my browser and the text editor. </li></ul>`	is used as the unordered list with *disc* as its list style and followed by the list of items, for ordered list we used * * tag.
`<sup>©</sup>`	is used to create a superscript in HTML documents, for subscript we use *<sub>* tag and *©* is the character entities for copyright.

CSS
CSS can be declared as internal CSS (declared inside the HTML) or external CSS (a different files with .css extension). I use the external CSS files for developing this website because it seems like it is easier to maintain and I only need 1 CSS files for all the Quiz 1 HTML documents.
CSS document use 2 types of selection, they are class selector which is a dot (.) followed by the class name and id selector which is a hashtag (#) followed by the id name. The difference between these 2 selectors is class selector can identify more than 1 element but id selector can only identify 1 element. Therefore, I use both of them in the making of this website.

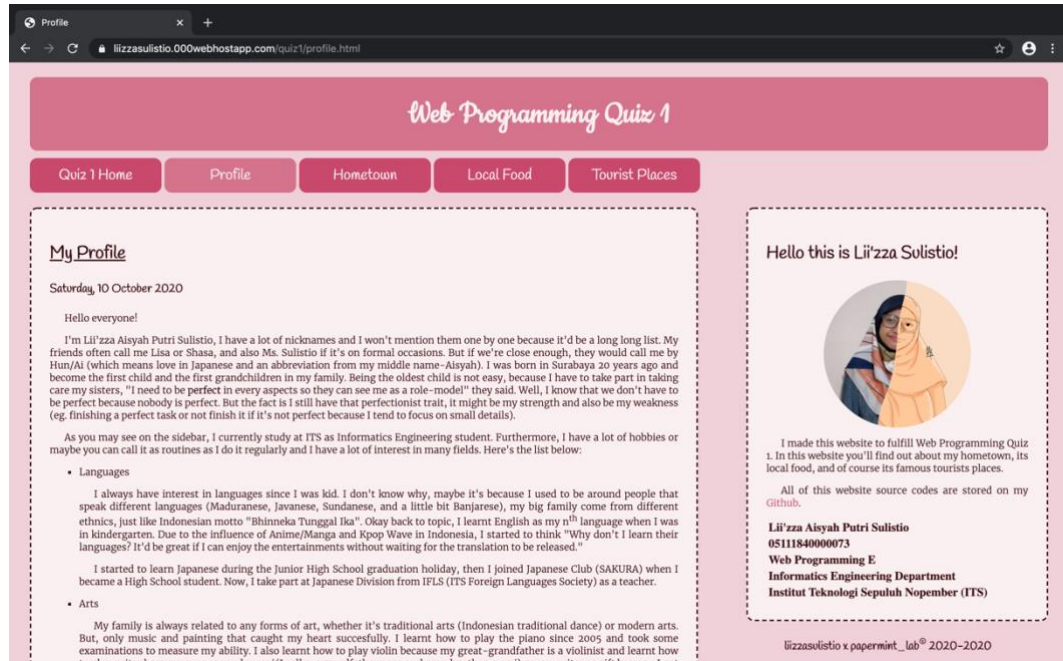|	
`.header, .button, .maincolumn, .sidebar, .image, .navigation input, #centerimg, .modal-img { border-radius: 10px; }`	is used to declare that all of the class, element, and id mentioned on that code is having a rounded edges by *10px*.
`.header { background-color: #D5728C; background-size: cover; height: 100px; margin: 20px 20px 10px 20px; }`	is used to stylized the element which stated *header* as their class on HTML documents, according to its order the margin is counted from top – right – bottom – left.
`.navigation {  margin: 10px 20px 10px 20px; }`	is the class for navigation bar it is used to organize all of the elements that I use in navigation bar including button and navigation link.
`.button { background-color: #C9496C; width: 159px; justify-content: space-evenly; }`	is the class of the navigation button, that *justify-content: space-evenly* is used to keep the content inside the buttons are in the center of the button.
`.navigation a { padding: 10px; color: #FAEFF2; text-align: center;`	is the class for the hyperlink which included in navigation bar inside the button class, that *display: inline-block* means to display the

```text-decoration: none; font-family: 'Handlee', cursive; font-size: 20px; display: inline-block; }```	items horizontally and still keeping their neatness. I set the *text-decoration: none* because I do not want to see underline text, since the default of hyperlink text is having an underline.
```.navigation a:hover { background-color: #D5728C; }```	is to give an animation when the cursor is above or pointing on the hyperlink.
```#active { background-color: #D5728C; }```	is an id that tells which button is active or to show us which page we are in right now. In this website, I use this id at profile, hometown, food, and tourist pages.

``.sidebar
{
float: right;
margin: 10px 20px 20px
0px;
width: 25%;
    padding: 25px;
    border-style: dashed;
    border-width: 2px;
    border-color: #380B0E;
    background-color:
#FAEFF2;
}```
	is to arrange the sidebar of this website since I divided this website into 2 main column. That *float: right;* shows that the sidebar position is on the right side.

``.maincolumn
{
position: relative;
float: left;
margin: 10px 0px 10px
20px;
width: 60%;
padding: 25px;
border-style: dashed;
border-width: 2px;
border-color: #380B0E;
background-color: #FAEFF2;
}```
	is to categorized and act as a container for all the main contents of the website. The maincolumn position is set as relative to keep it at its normal position. As we know that I divided the page into 2 column, the maincolumn position is on the left side of the page.

``.footer
{
padding: 20px;
text-align: center;
width: 100%;
bottom: 0;
height: 30px;
}```
	is to arrange footer part of the website. Even though I can not to keep it at the bottom of the page (the footer somehow move to under the sidebar / whenever there is an empty space).

JavaScript	
```alert("Please set the browser as fullscreen for better experience!")```	is an alert JavaScript, it will give a pop up message from the page.
```document.write(new Date().getFullYear())```	is used to get the present year.

2. Profile
    URL: https://liizzasulistio.000webhostapp.com/quiz1/profile.html
    Screenshot

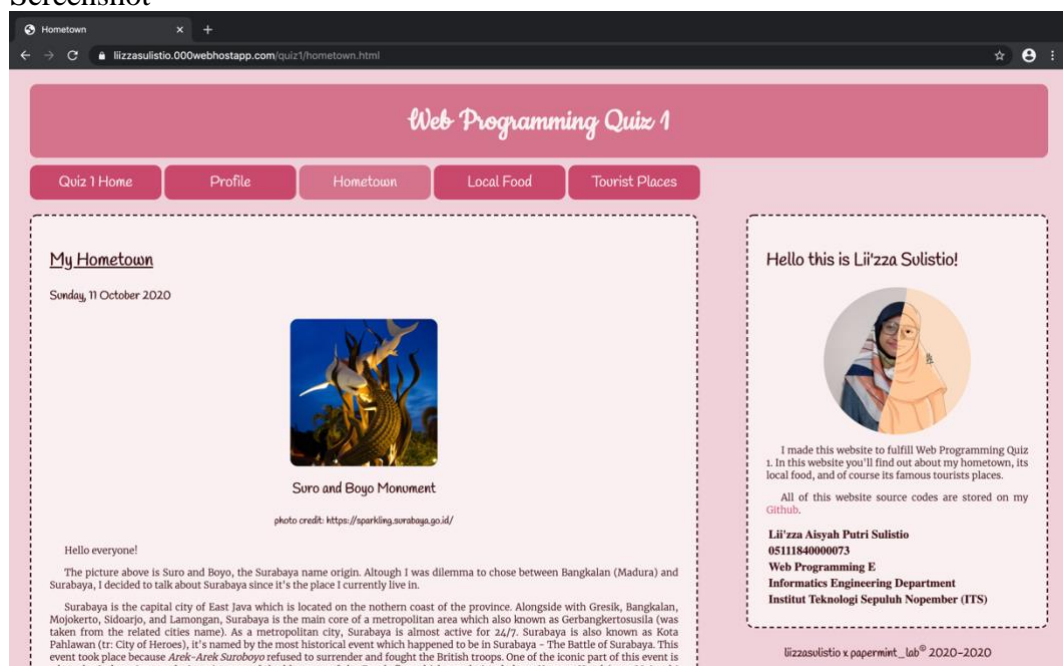| HTML	
`<u>My Profile</u>`	is to make an underlined text.
`<b>perfect</b>`	is to make a bold text.
`<i>mami</i>`	is to make italic text.

CSS	

`.avatar {`
`border-radius: 50%;`
`display: block;`
`margin-left: auto;`
`margin-right: auto;`
`}`
	is to arrange the avatar position and in order to make it round, I set the *border-radius* as 50%.

`h1 {`
`text-align: center;`
`padding: 25px 0px 25px`
`0px;`
`text-decoration: bold;`
`font-size: 45px;`
`font-family: 'Cookie',`
`cursive;`
`color: #FAEFF2;`
`margin: auto;`
`}`
	is used to set the heading, in this website I use *h1* as the text on the header, they are *Welcome to Papermint Studies* and *Web Programming Quiz 1*.

`h2, h4 {`
`font-family: 'Handlee',`
`cursive;`
`}`
	is used to set the second heading such as the title of the contents and the dates.

| ```
ul {
list-style-type: square;
font-family:
'Merriweather', serif;
font-size: 13px;
}
``` | is used to stylized the *unordered list* element, so that whenever I use *<ul> tag* on the HTML documents, its properties will automatically change to square type list (something like bullet and numbering). |
| ```
table {
text-align: left;
}
``` | is used to set the table properties. |

3. Hometown
   URL: https://liizzasulistio.000webhostapp.com/quiz1/hometown.html
   Screenshot

HTML	
| ```
<img
src="assets/surabaya_monument.png"
alt="Suro and Boyo Monument"
id="centerimg" class="image">
``` | is used to declaring the image source, its alternate title (if the browser cannot load the image), and set the image's id as centerimg and class as image. |
| `<h3>Suro and Boyo Monument</h3>` | is used to write the caption of the image. |

CSS	
| ```
#centerimg {
display: block;
margin-left: auto;
margin-right: auto;
}
``` | is an id which used to set the Suro and Boyo image at the center of the main column. |
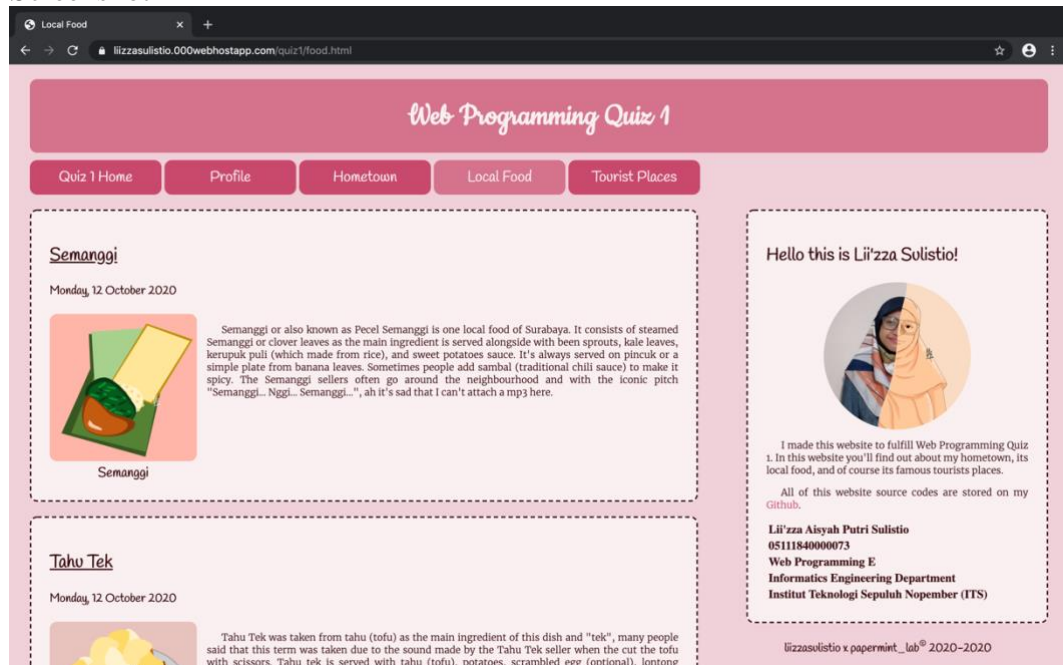| ```
h3, h5 {
text-align: center;
font-family: 'Handlee', cursive;
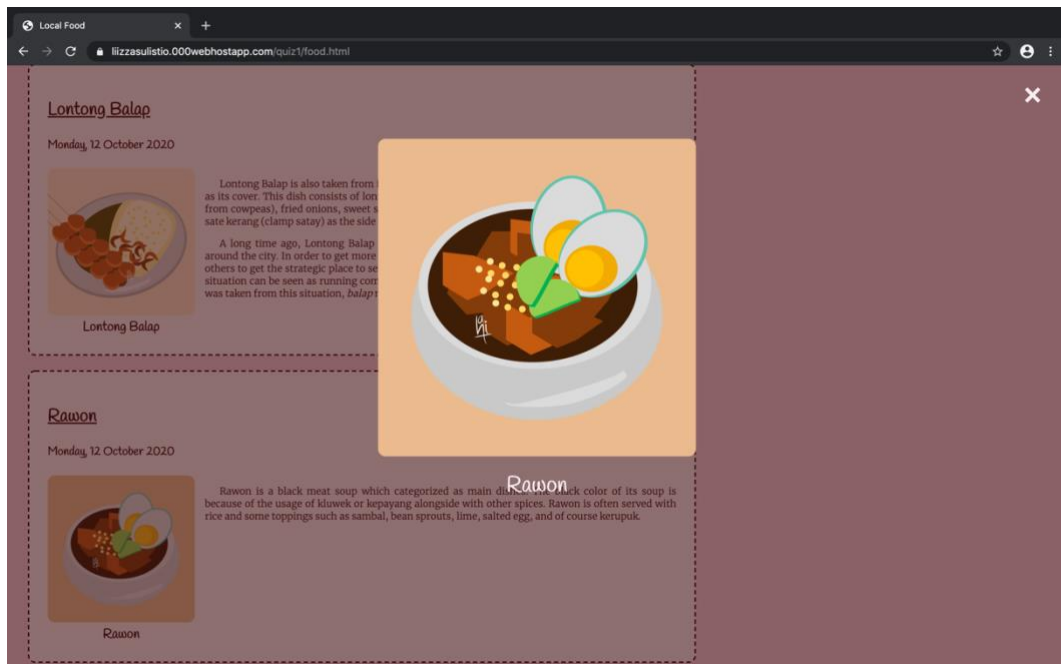``` | are used as the caption and the photo credit. |

``
}
``	

``
body {
background-color: #F1D0D9;
color: #380B0E;
}
``
	is set all of the elements in *\<body\>* *tag*.

``
p {
font-family: 'Merriweather',
serif;
font-size: 13px;
text-indent: 20px;
text-align: justify;
}
``
	is set all of the contents inside *\<p\>* *tag* and the *text-indent* would make the first line of the paragraph goes a little inside the whole paragraph, it is like when we use tab while typing.

4. Local Food

URL: https://liizzasulistio.000webhostapp.com/quiz1/food.html

Screenshot

HTML	

```<div class="maincolumn">```
```   <div id="column1"> …```
```   </div>```
```   <div id="column2"> …```
```   </div>```
```</div>```
	is used to categorized the elements based on the ids as the parameter.

```<script```
```src="modal_script.js"></script>```
```<!--JavaScript for modal-->```
	is used to call the external JavaScript.

CSS	

```#column1 {```
```float: left;```
```width: 25%;```
```}```
```#column2 {```
```float: right;```
```width: 75%;```
```}```
	is the parameter of the columns since I divided the main column into 2 column.

```.image, .avatar, #centerimg {```
```width: 200px;```
```height: 200px;```
```cursor: pointer;```
```transition: 0.3s;```
```}```
	is used to declared the weight and height of image and avatar class, and centerimg id. Then the *cursor* is set as a pointer, if we move our cursor above the mentioned elements, the cursor will change it shaped as a pointer or a clickable area. Although that the only clickable image is the local foods images.

``css
.image:hover {
opacity: 0.75;
}
``
	is used to change the opacity of the image if we move our cursor above the images.

``css
.info {
text-align: center;   width:
200px;
font-family: 'Handlee',
cursive;
font-size: 18px;
color: #380B0E;
}
``
	is used to add the image caption under the images.

``css
.modal {
 display: none;
 position: fixed;
 z-index: 1;
 padding-top: 100px;
 width: 100%;
 height: 100%;
 top: 0;
 left: 0;
 overflow: auto;
 background-color: #380B0E90;
}
``
	is used to add an overlay or transparent layer (modal) below the images, the *display* is set to be none so it will be hidden before we click the image to trigger the modal. Then the *z-index* means to set the stack number of the elements, so that the modal will float above the whole webpage. The overflow is set as auto so the page would be scrollable.

``css
.modal-img{
 margin: auto;
 display: block;
 width: 30%;
}
``
	is used to set the properties of the image that will be displayed above the modal.

``css
#modal-info{
    margin: auto;
    display: block;
    width: 80%;
    text-align: center;
    color: #FAEFF2;
    padding: 20px;
    font-size: 30px;
    font-family: 'Handlee',
cursive;
}
``
	is used to set the caption while performing the modal action.

``css
.close {
    position: absolute;
    top: 15px;
    right: 35px;
    color: #FAEFF2;
    font-size: 40px;
    font-weight: bold;
    transition: 0.3s;
  }
``
	is to make the closing icon on top right by using a multiplication character.

``css
.close:hover, .close:focus {
    color: #FAEFF2;
    text-decoration: none;
    cursor: pointer;
  }
``
	is used to stylized the closing icon. If we move our cursor on top of it, the cursor icon will change from the regular to the pointer type so it would give a clickable effect.

JavaScript

```javascript
//Get the modal
var modal = document.getElementById("modal_id");
var i; //for iteration (images > 1)

//Get the images based on the same class "image_id"
var img = document.getElementsByClassName("image_id");
var modal_img = document.getElementById("img01")
var modal_info = document.getElementById("modal-info");

for(i = 0; i<img.length; i++)
{
    img[i].onclick = function()
      {
        modal.style.display = "block";
        modal_img.src = this.src;
        modal_info.innerHTML = this.alt;
      }
}

//If we close the modal
var span = document.getElementsByClassName("close")[0];
span.onclick = function()
{
    modal.style.display = "none";
}
```

The script above is to create a modal for multiple images within the webpage. So that is why we need an iteration and get the element by class name instead of the id. As we know that class can identify more than 1 element.
First, we have to declare the variable we would use. Then, create an iteration so that whenever we click the image, it will trigger the modal to be displayed.
After that we initialize the variable to close the modal once we click on the closing icon.

13

5. Tourist Places
   URL: https://liizzasulistio.000webhostapp.com/quiz1/tourist.html
   Screenshot
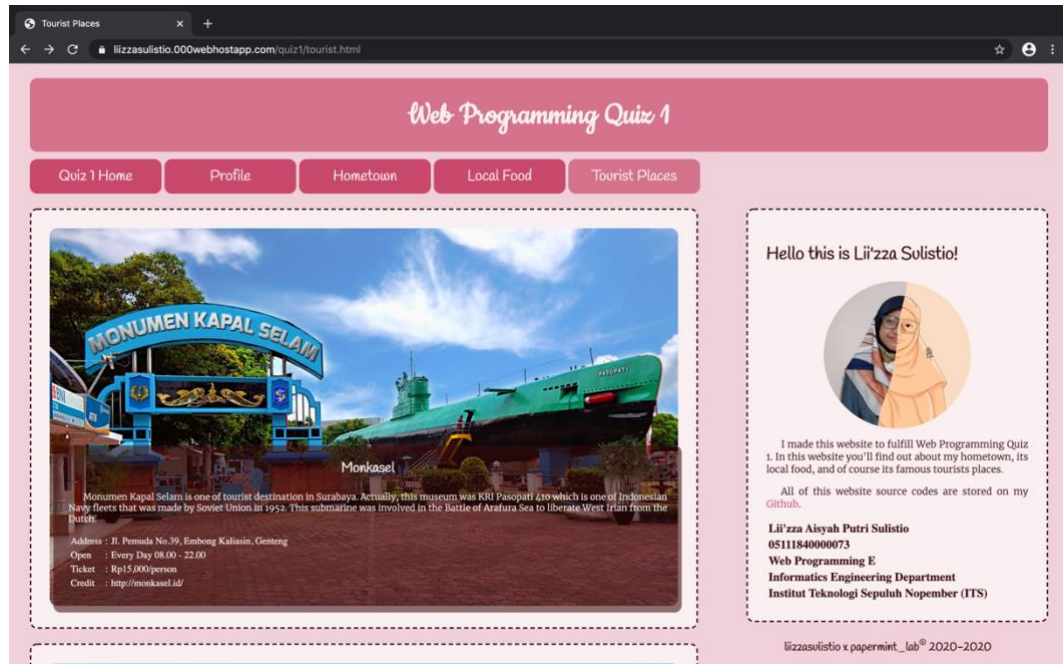
HTML	
`<img src="assets/monkasel.png" alt="Monkasel" style="width: 100%; border-radius: 10px;">`	is use to declare an image datatype and this time, I use an internal CSS which is declared inside the *<img> tag*.

CSS	

`.tourist {`
`position: absolute;`
`bottom: 20px;`
`right: 20px;`
`background-color:`
`#380B0E90;`
`color: #FAEFF2;`
`width: 90%;`
`height: 40%;`
`padding-left: 20px;`
`padding-right: 20px;`
`}`
	is a class that set the transparent text box above the images. The position is set to *absolute* so that the text box would be inside the maincolumn which positioned as *relative*.

D. Declaration Attachment

By the name of Allah 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 done any cheating and/or plagiarism.

Surabaya, October 14 2020

Li'zza Aisyah Putri Sulistio
05111840000073