

INDIVIDUAL ASSIGNMENT

LANKA

COMP40004

**WEB DEVELOPMENT AND OPERATING SYSTEMS-1
COMK2421, COMK2422**

HAND OUT DATE: 18th March 2024

HAND IN DATE: ASSIGNMENT2: 24th May 2024

WEIGHTAGE: ASSIGNMENT 2: 30%

INSTRUCTION TO CANDIDATES:

- 1. Students are advised to underpin their answers with the use of references (cited using the Harvard Name System of Referencing).**
- 2. Late submission will be awarded zero (0) unless Extenuating Circumstances (EC) are upheld.**
- 3. Cases of plagiarism will be penalized**
- 4. Assignment presentation should be submitted in the form of softcopy and hardcopy both; modeling work should be submitted in softcopy form**

Student Details:

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Batch: COMK2421

GitHub Link: https://swasthikaaa.github.io/fresh_harvest/

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Acknowledgement

I would like to express my gratitude to those who have supported me in doing this assignment.

First of all I would like to express my gratitude to our web development and operating system module lecturer Mr. Pradeep Pallegama without whose help and cooperation this project would not have been possible.

Also, this project would not have been completed without the help of readers including myself, and various websites on the internet that has helped me a lot in writing and understanding this project.

Learning outcomes of the project

The assignment was started by referring through the lecture notes provided and some youtube videos which helped a lot to get an overall idea about how the assignment is supposed to begin and end while meeting the requirements.

Firstly the designing of the homepage for which help was taken from a random youtube video and coded for the navigation bar of the homepage.

And then designing of cover images for each type of products of the grocery store through **Canva** was done.

Once it was done implementation of the navigation sections and the footer sections for each page of the website was done. Afterwards working on the logo was began for which **Canva** was used.

After going through a lot of designs that would go well with the name chosen for the website finally the logo was decided.

Selecting pictures when required in every section of the website was a challenging task since the image dimensions didn't always go with the structure of the webpage but hopefully it was managed by resizing them using a web app named **iLoveIMG**.

Next coding was started for the body part of the other pages of the website for which a lot of youtube tutorials , self-studying and researches had to be made.

Afterwards the work on css stylings were began, according to the way how the webpages had to look like.

While working on these the website was uploaded to the **GitHub** and then the remaining work was continued.

Once it was finalized that this is how the entire website is going to look like the designing of the wireframes were started for each page using **Figma**.

After completing all of the above mentioned the report for this individual assignment was written since the time was properly managed.

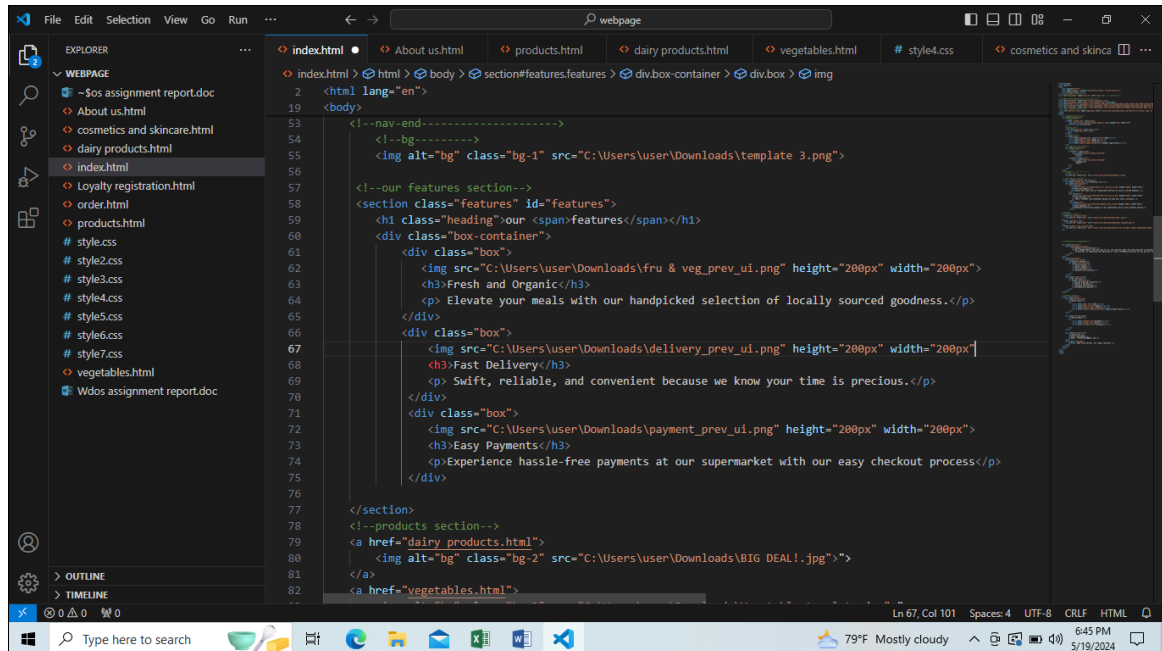
Upon completion of the project designing skills and problem solving skills were enhanced, further was able to bring up innovation within a given scenario.

Challenges faced and how I overcame them

1. Since this is my first time designing a website I didn't have a proper idea about where should I start from which was a major challenge I had to overcome.
 - Wrote down the assignment requirements and then started referring videos in the internet.
2. Next it was about the errors I had to go through while coding
 - Rechecked the code and found out the mistakes

Such as:

Missing angular brackets

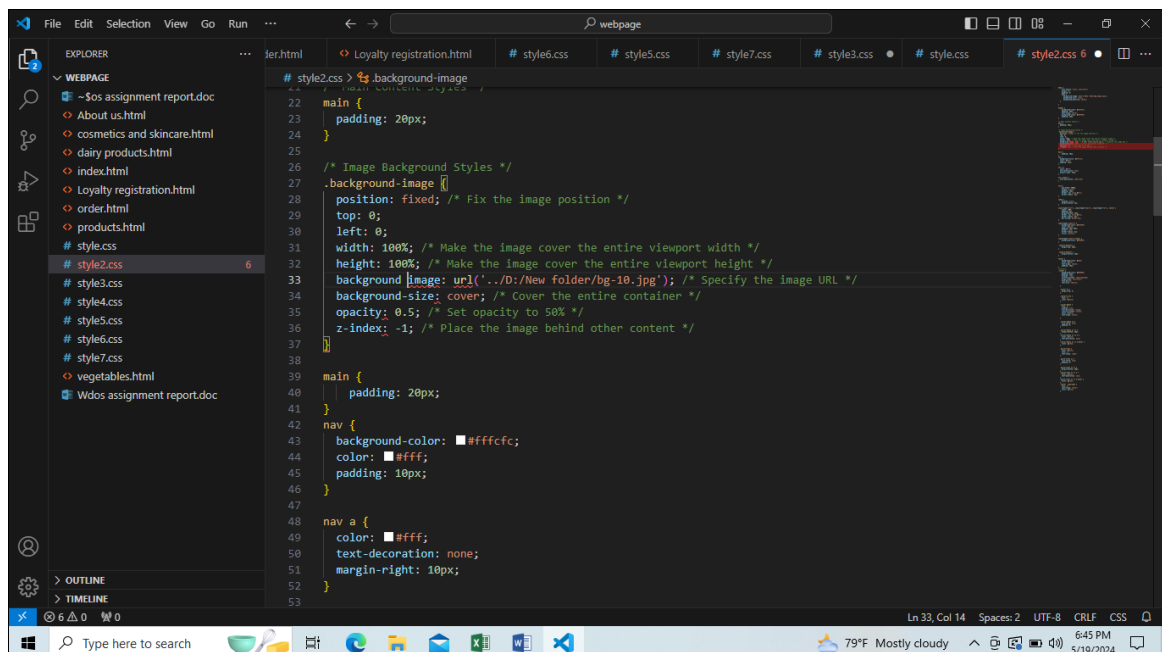


The screenshot shows a Visual Studio Code editor with a file explorer on the left and a code editor in the center. The file explorer shows a project named 'WEBPAGE' with files like 'index.html', 'style2.css', 'style3.css', 'style4.css', 'style5.css', 'style6.css', 'style7.css', 'vegetables.html', and 'Wdos assignment report.doc'. The code editor shows the 'index.html' file with the following code:

```
<html lang="en">
<body>
  <!--nav-end-->
  <!--bg-->
  
  <!--our features section-->
  <section class="features" id="features">
    <h1 class="heading">our <span>features</span></h1>
    <div class="box-container">
      <div class="box">
        
        <h3>Fresh and Organic</h3>
        <p> Elevate your meals with our handpicked selection of locally sourced goodness.</p>
      </div>
      <div class="box">
        
        <h3>Fast Delivery</h3>
        <p> Swift, reliable, and convenient because we know your time is precious.</p>
      </div>
      <div class="box">
        
        <h3>Easy Payments</h3>
        <p>Experience hassle-free payments at our supermarket with our easy checkout process.</p>
      </div>
    </div>
  </section>
  <!--products section-->
  <a href="dairy products.html">
    
  </a>
  <a href="vegetables.html">
```

The code is missing closing tags for the 'img' elements and the 'a' element. The status bar at the bottom shows 'Ln 67, Col 101' and 'Spaces: 4'.

Missing hypens



The screenshot shows a Visual Studio Code editor with a file explorer on the left and a code editor in the center. The file explorer shows a project named 'WEBPAGE' with files like 'index.html', 'style2.css', 'style3.css', 'style4.css', 'style5.css', 'style6.css', 'style7.css', 'vegetables.html', and 'Wdos assignment report.doc'. The code editor shows the 'style2.css' file with the following code:

```
main {
  padding: 20px;
}

/* Image Background Styles */
.background-image {
  position: fixed; /* Fix the image position */
  top: 0;
  left: 0;
  width: 100%; /* Make the image cover the entire viewport width */
  height: 100%; /* Make the image cover the entire viewport height */
  background-image: url("../D:/New folder/bg-10.jpg"); /* Specify the image URL */
  background-size: cover; /* Cover the entire container */
  opacity: 0.5; /* Set opacity to 50% */
  z-index: -1; /* Place the image behind other content */
}

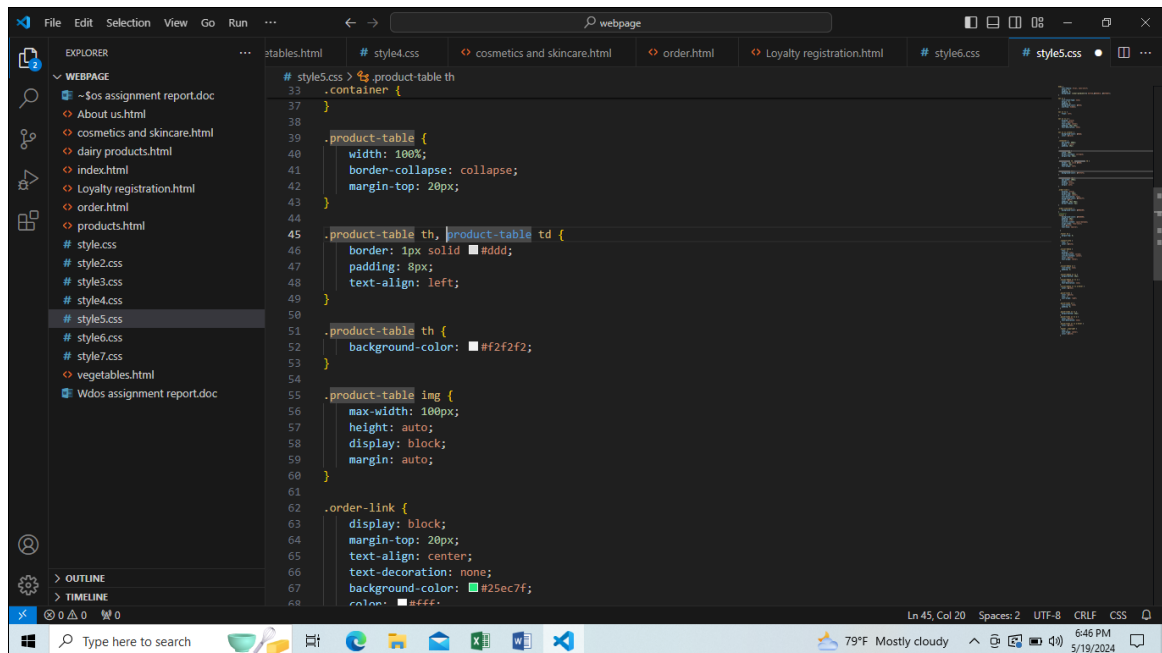
main {
  padding: 20px;
}

nav {
  background-color: #fffcfc;
  color: #fff;
  padding: 10px;
}

nav a {
  color: #fff;
  text-decoration: none;
  margin-right: 10px;
}
```

The code is missing hyphens in the class name 'background-image' and the variable name 'background-image'. The status bar at the bottom shows 'Ln 33, Col 14' and 'Spaces: 2'.

Missing fullstop in product table command

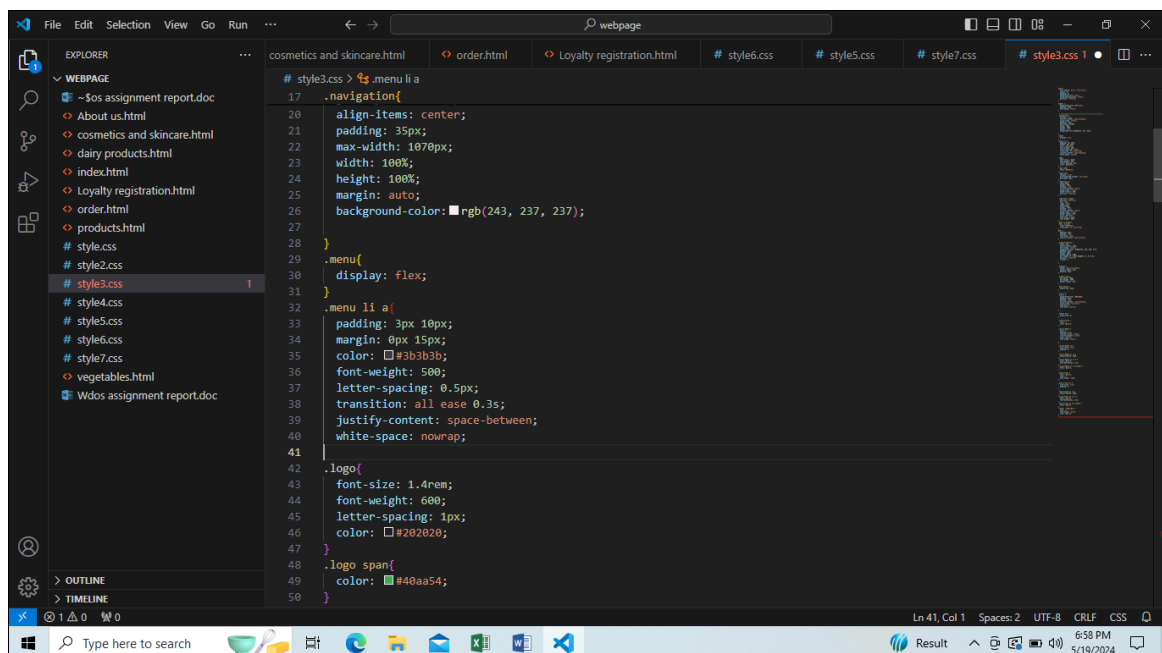


The screenshot shows the Visual Studio Code editor with a CSS file named `style5.css` open. The file contains several CSS rules. The rule for `.product-table` is as follows:

```
33 .product-table th  
34 {  
35     .container {  
36  
37     }  
38  
39     .product-table {  
40         width: 100%;  
41         border-collapse: collapse;  
42         margin-top: 20px;  
43     }  
44  
45     .product-table th, .product-table td {  
46         border: 1px solid #ddd;  
47         padding: 8px;  
48         text-align: left;  
49     }  
50  
51     .product-table th {  
52         background-color: #f2f2f2;  
53     }  
54  
55     .product-table img {  
56         max-width: 100px;  
57         height: auto;  
58         display: block;  
59         margin: auto;  
60     }  
61  
62     .order-link {  
63         display: block;  
64         margin-top: 20px;  
65         text-align: center;  
66         text-decoration: none;  
67         background-color: #25ec7f;  
68         color: #fff;  
69     }  
70 }
```

The error message at the bottom of the editor indicates a missing fullstop at line 45, column 20: `Ln 45, Col 20 Spaces: 2 UTF-8 CRLF CSS`.

Missing curly brackets

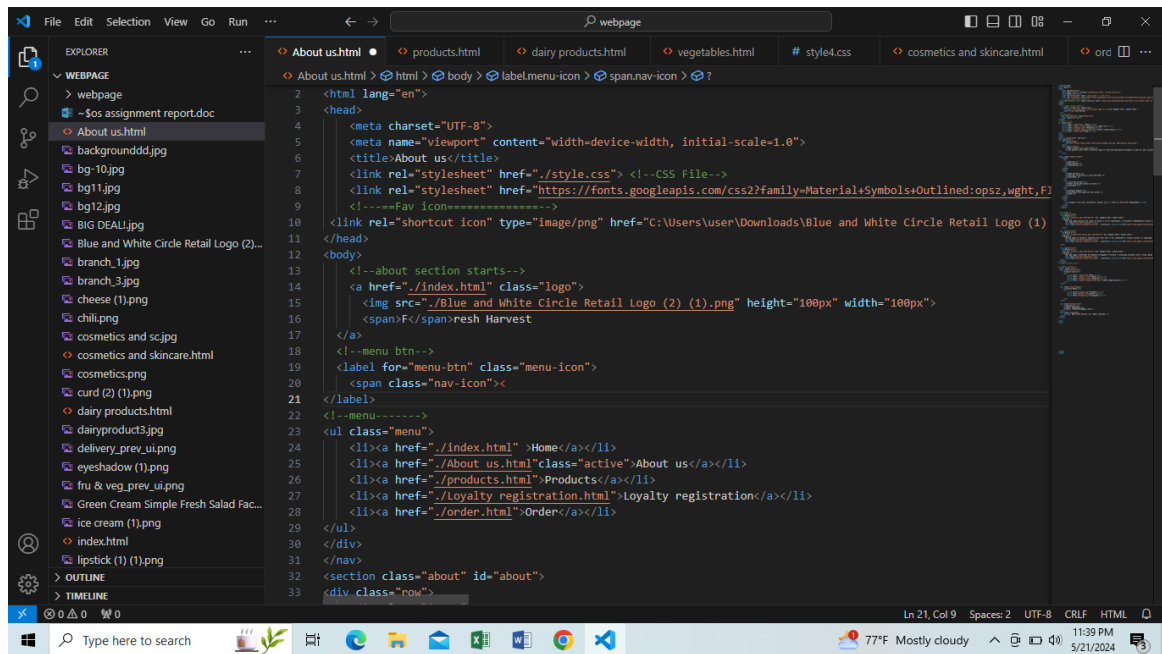


The screenshot shows the Visual Studio Code editor with a CSS file named `style3.css` open. The file contains several CSS rules. The rule for `.menu li a` is as follows:

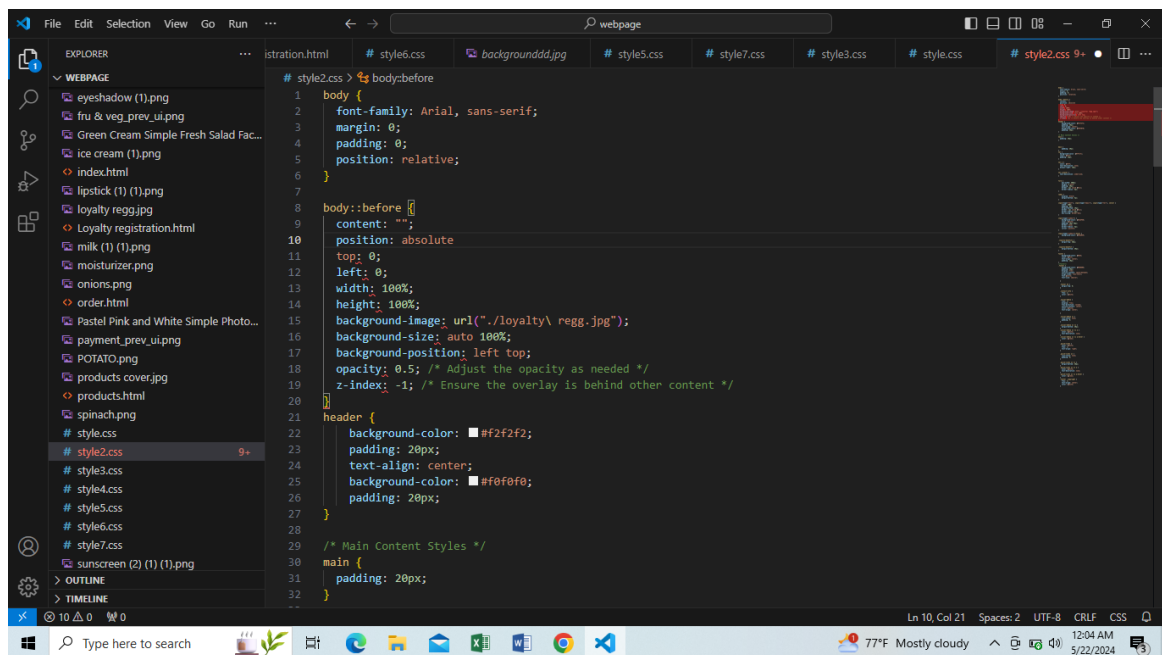
```
17 .navigation{  
18     align-items: center;  
19     padding: 35px;  
20     max-width: 1870px;  
21     width: 100%;  
22     height: 100%;  
23     margin: auto;  
24     background-color: rgb(243, 237, 237);  
25 }  
26  
27 .menu{  
28     display: flex;  
29 }  
30  
31 .menu li a{  
32     padding: 3px 10px;  
33     margin: 0px 15px;  
34     color: #3b3b3b;  
35     font-weight: 500;  
36     letter-spacing: 0.5px;  
37     transition: all ease 0.3s;  
38     justify-content: space-between;  
39     white-space: nowrap;  
40 }  
41  
42 .logo{  
43     font-size: 1.4rem;  
44     font-weight: 600;  
45     letter-spacing: 1px;  
46     color: #202020;  
47 }  
48  
49 .logo span{  
50     color: #40aa54;  
51 }
```

The error message at the bottom of the editor indicates missing curly brackets at line 31, column 1: `Ln 31, Col 1 Spaces: 2 UTF-8 CRLF CSS`.

Missing closing tags



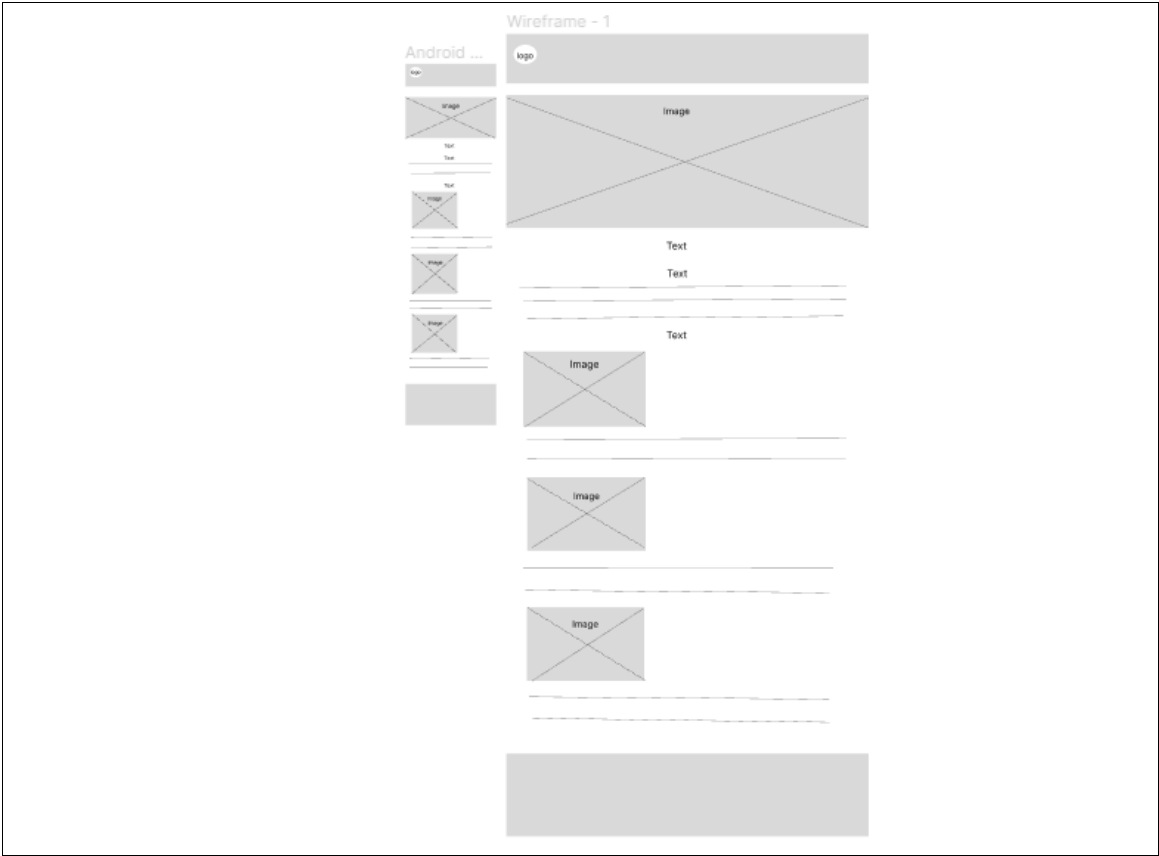
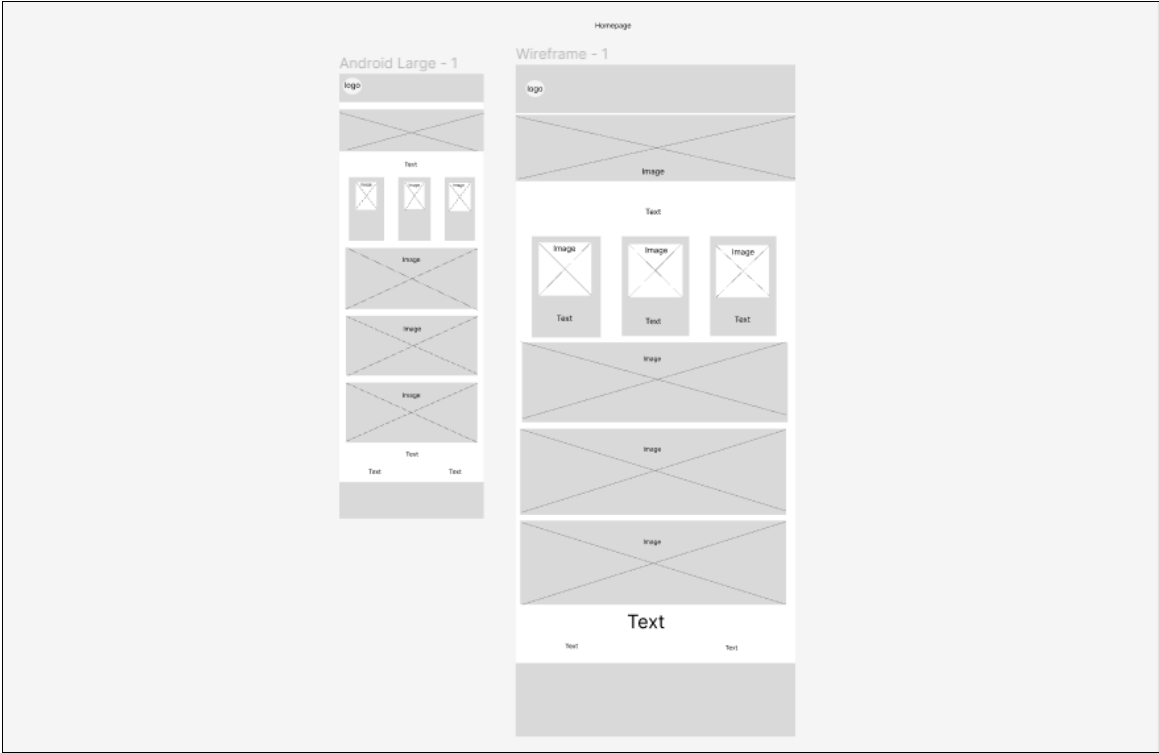
Missing semicolons

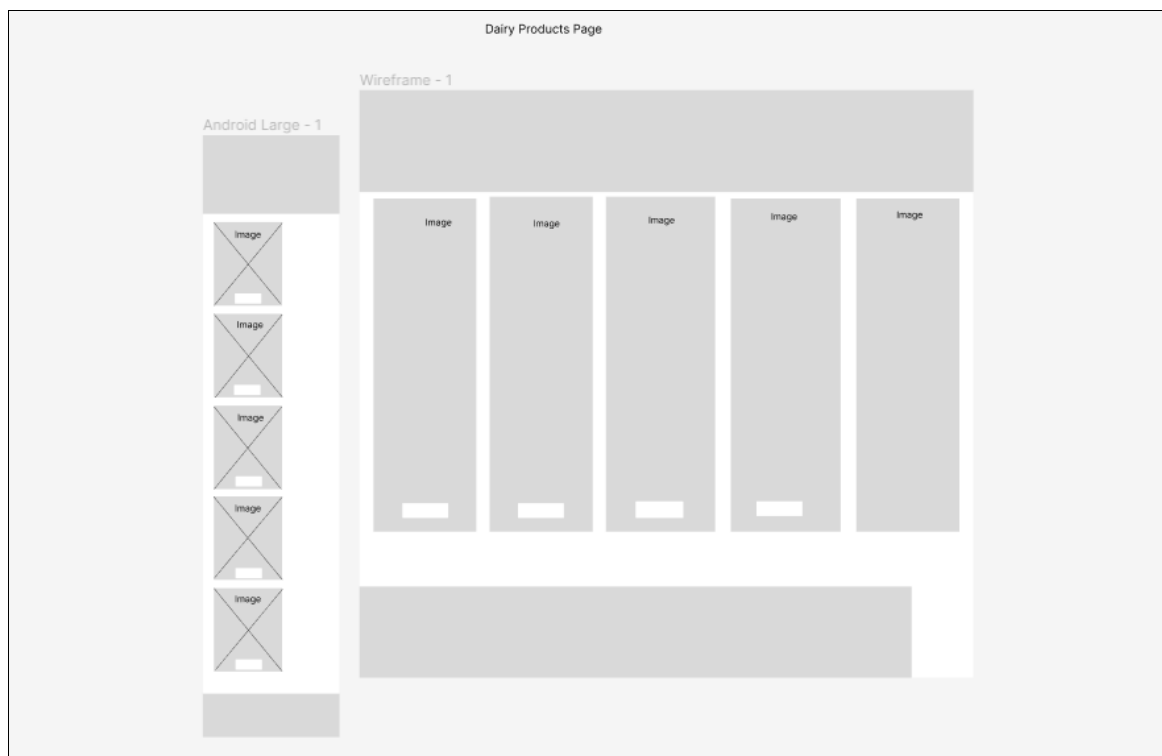
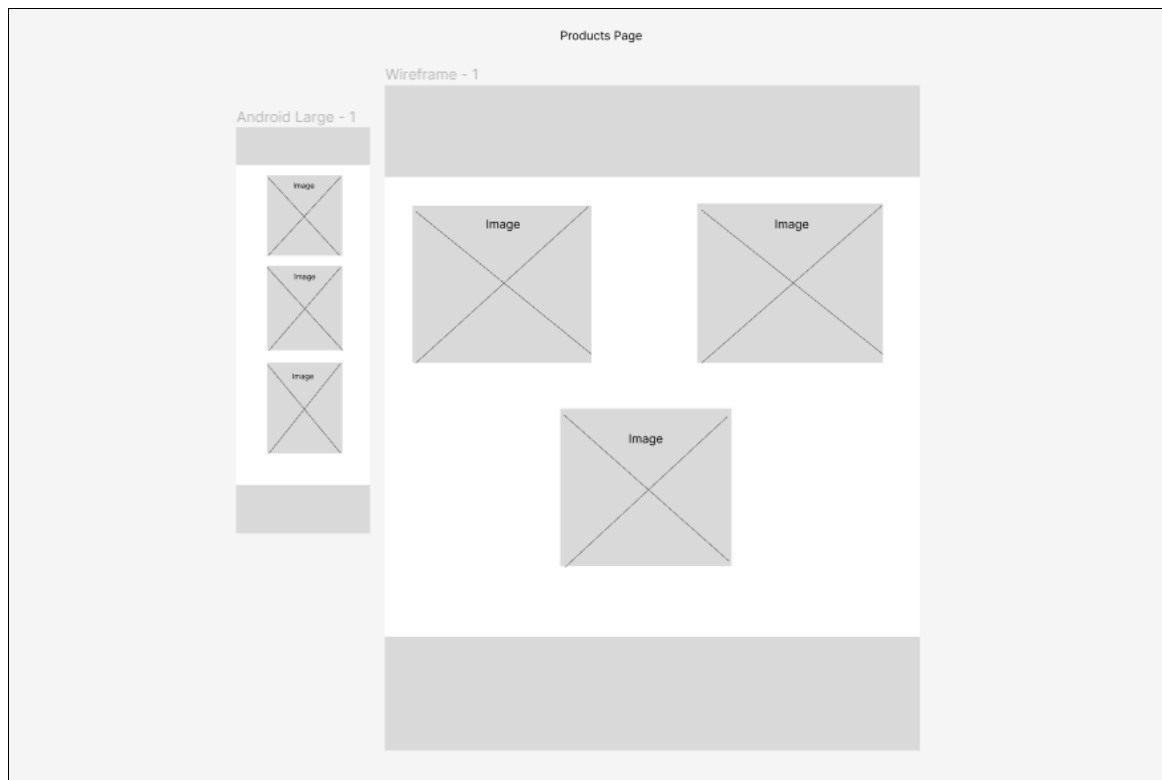


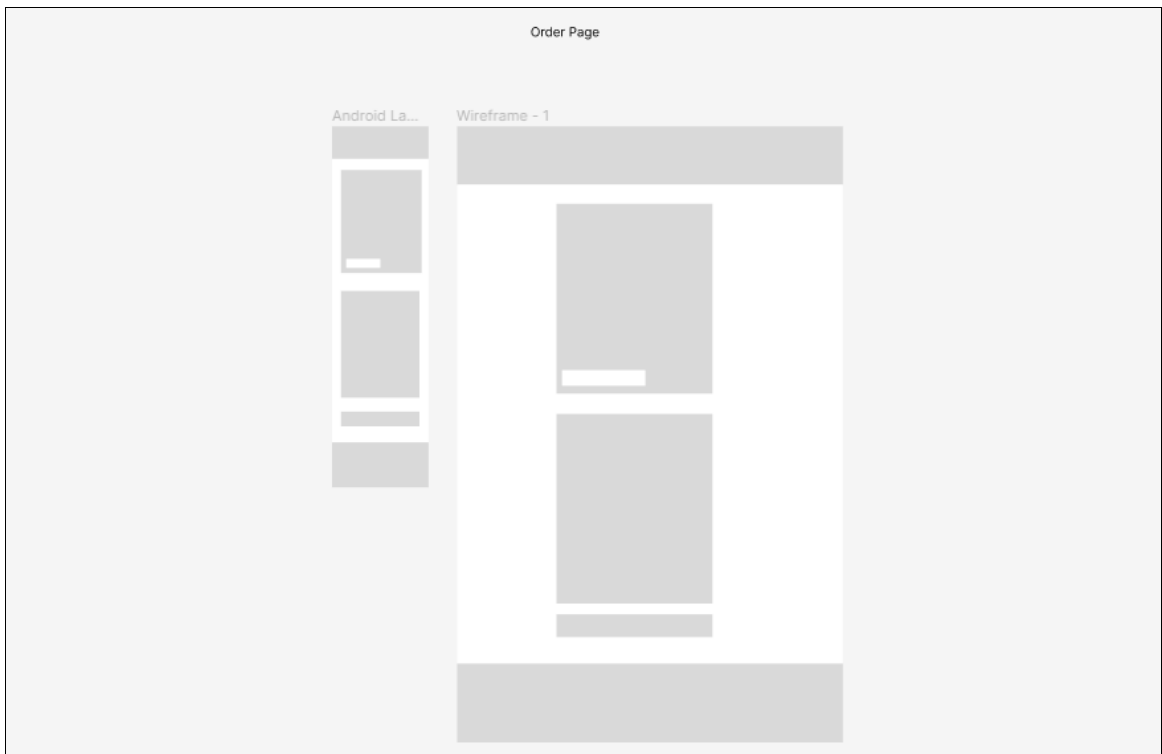
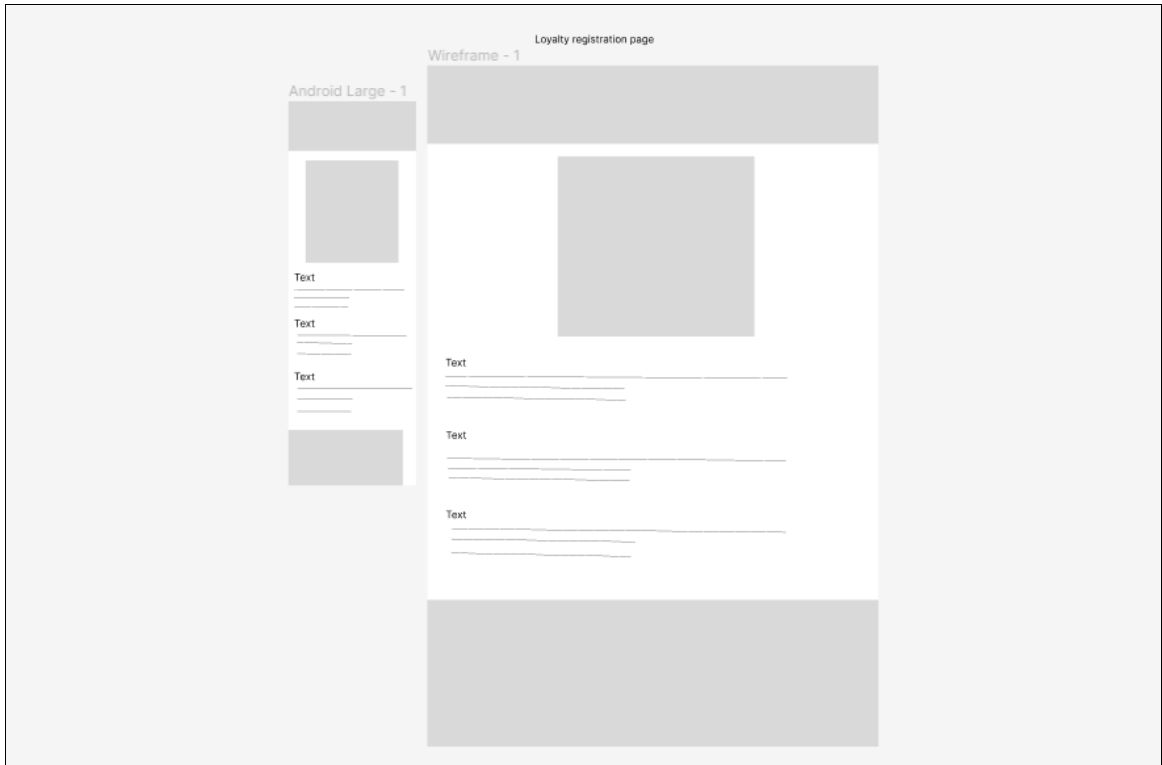
3.The images of my website didn't appear once I uploaded the website in GitHub

- Corrected it by adding double dot and backslash to image path and renaming images to short names.

Wireframes







References

https://youtu.be/G8mYjB_sT0o?si=xXeGUI4M-YW6_ICa

https://youtu.be/rGtNYW_DK44?si=S8BmJlaUAeImBqzM

<https://youtu.be/5MsDrgIzUbK?si=ImiK8hBE-BCgNlpF>