

# Web Design and Development

## 4COSC011W

### Report

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Group Number:B7  
Student Role: Student 4

Link(s) to WebSite

URL:

1.	Introduction .....	2
2.	Technical Discussion.....	4
3.	Webpage Validation Statement .....	10
4.	Janet .....	10
	References .....	10
	Appendices .....	11
	Appendix A: Code .....	11
	Appendix B: Screenshots .....	11
	Appendix C: Screenshots: Webpage Validation Evidence.....	55
	Appendix D: Individual Statement .....	55

## 1. Introduction

Name – Dinil Hansindu Perera  
Student ID – w1830180  
IID ID – 20200516  
Student 4 - Gallery , Sitemap (SVG) , Page editor

### Team Members

Name	Task	Uow Number
Ranudi Kumarawadu	Student 1	w1867139
Vinuja Jayathilake	Student 2	w1866977
Nimas Nimshi	Student 3	w1871024
Dinil Hansindu Perera	Student 4	w1830180

<b>Group Coursework Meetings</b> (minimum 6 meetings, e.g., one per week)		
1	<b>Date &amp; Time:</b>	24 <sup>th</sup> February 2022, 7pm
	<b>Objective:</b>	Choose a theme for the website
	<b>Attended:</b>	Present
	<b>Your Contribution:</b>	Pitched ideas for the website in accordance with the given categories.
2	<b>Date &amp; Time:</b>	1 <sup>st</sup> March 2022, 8pm
	<b>Objective:</b>	Finalize the task allocation for the team
	<b>Attended:</b>	Present
	<b>Your Contribution:</b>	Created a checklist for the tasks that need to be completed.
3	<b>Date &amp; Time:</b>	6 <sup>th</sup> March 2022, 3pm
	<b>Objective:</b>	Progression update from the team
	<b>Attended:</b>	Present
	<b>Your Contribution:</b>	Got feedback on my webpage and provided constructive criticism for my teammates' webpages.
4	<b>Date &amp; Time:</b>	11 <sup>th</sup> March 2022, 7pm
	<b>Objective:</b>	Create the additional content page
	<b>Attended:</b>	Present
	<b>Your Contribution:</b>	Assisted with creating the source code and style sheet.
5	<b>Date &amp; Time:</b>	20 <sup>th</sup> March 2022, 5pm
	<b>Objective:</b>	Create the main page
	<b>Attended:</b>	Present
	<b>Your Contribution:</b>	Assisted with finding images and referral links.
6	<b>Date &amp; Time:</b>	26 <sup>th</sup> March 2022,
	<b>Objective:</b>	Finalize the website
	<b>Attended:</b>	Present
	<b>Your Contribution:</b>	Went over the final website and made few improvements.

## 2. Technical Discussion

### Thumbnail Images

In the thumbnail it was required to create a page that allows the user to view images which are relevant to our topic .

For that inside the web page we should include 5 images and 2 pull down menus to select the background colour and the text colour of the page.

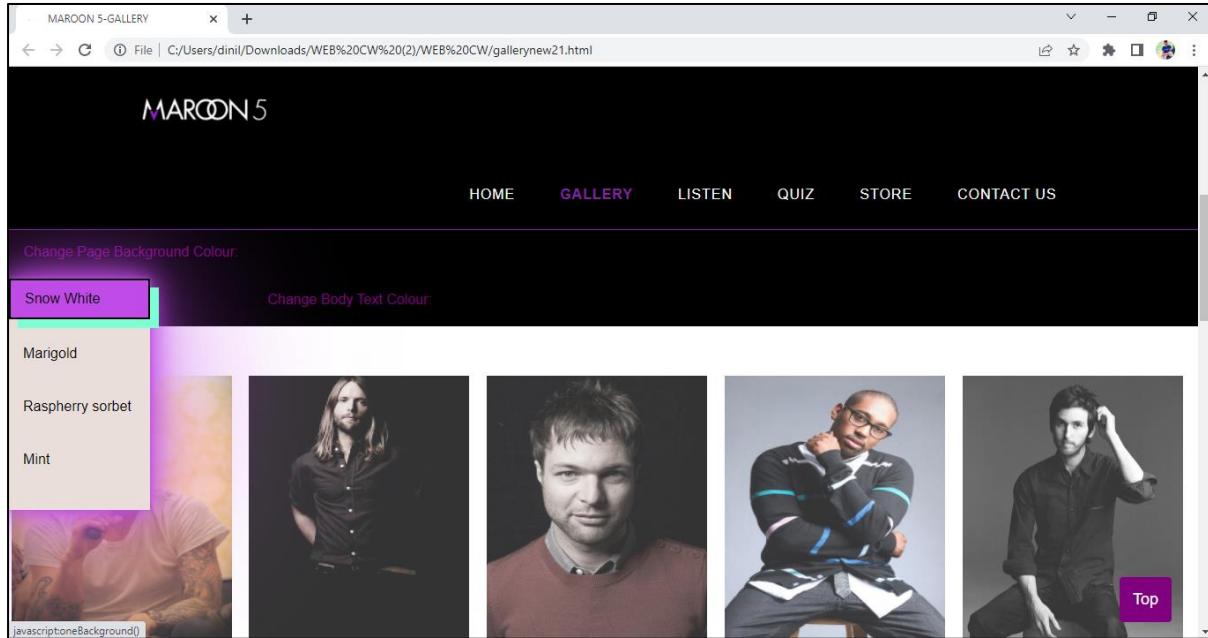


Figure 1: Drop down menus and thumbnail images

A drop-down menu is a list of options that is only revealed when a user interacts with the menu either by clicking or hovering over it. The options then descend vertically, or “drop down,” and disappear again once the user disengages with the menu. In my code I used the hover option ,

First, I created a unordered list and inside that I add a div and a class attribute called "dropdownListContent". In that i used anchors to link the JS code to the each content. As it shown in the below snippet code,

```

58 <ul>
59   <li class="dropdownList"><a class="dropbutton">Change Page Background Colour:</a>
60     <div class="dropdownListContent">
61       <a href="javascript:oneBackground()">Snow White</a><br>
62       <a href="javascript:twoBackground()">Marigold</a><br>
63       <a href="javascript:threeBackground()">Raspberry sorbet</a><br>
64       <a href="javascript:fourBackground()">Mint</a><br><br>
65     </div><br><br>
66   </li>
67   <li class = "dropdownList"><a class="dropbutton">Change Body Text Colour:</a>
68     <div class="dropdownListContent">
69       <a href="javascript:oneText()">Red</a><br>
70       <a href="javascript:twoText()">blue</a><br>
71       <a href="javascript:threeText()">black</a><br>
72       <a href="javascript:fourText()">#ECDB54</a><br>
73     </div>
74   </li>
75 </ul><br><br>
```

*Figure 2: Snippet code of the dropdown*

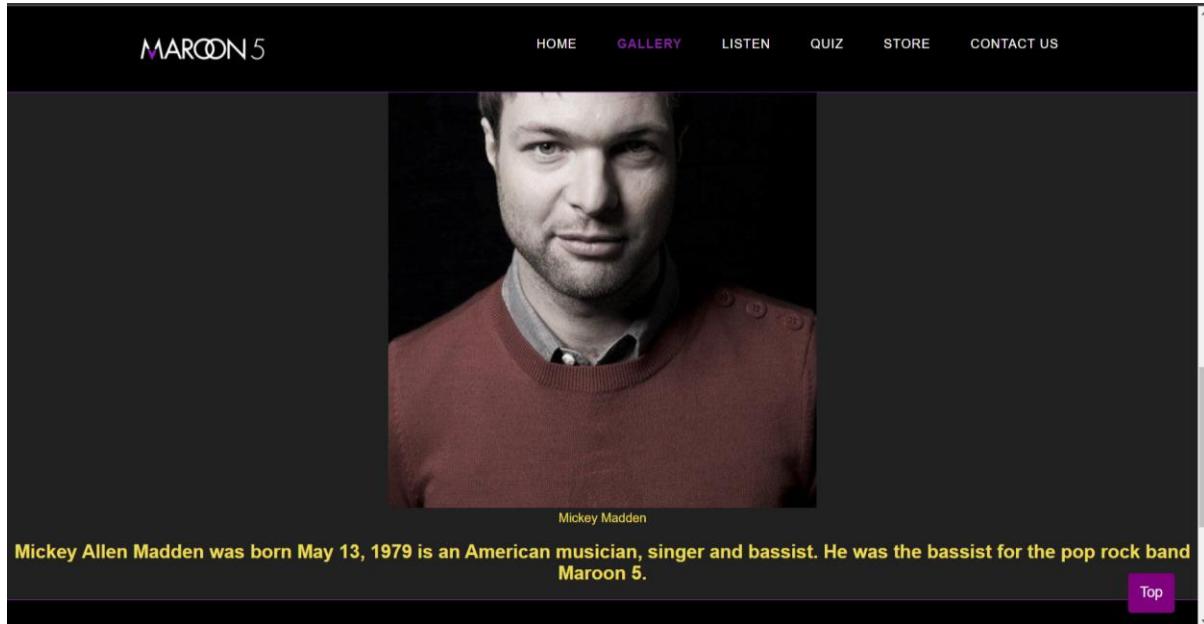
As I mentioned before I used JavaScript to change the background color and the text color of the web page. For that I used 2 separate functions .

```

139
140   function oneBackground(){
141     document.body.style.backgroundColor = "white";
142   }
143   function twoBackground(){
144     document.body.style.backgroundColor = "#FDAC53";
145   }
146   function threeBackground(){
147     document.body.style.backgroundColor = "#D2386C";
148   }
149   function fourBackground(){
150     document.body.style.backgroundColor = "#00A170";
151   }
152
153
154
155   function oneText(){
156     document.body.style.color = "red";
157   }
158   function twoText(){
159     document.body.style.color = "blue";
160   }
161   function threeText(){
162     document.body.style.color = "black";
163   }
164   function fourText(){
165     document.body.style.color = "#ECDB54";
166   }
167 //end of script
```

*Figure 3: Snippet code of the JavaScript (To select colors)*

Also, it was required that when the user selects a thumbnail image, the corresponding large image and the description of that image should display in the defined location on the form.



In the instruction sheet they have clearly mentioned that we must use either the mouseover event listener or radio buttons with the getRadioValue() function shown in class to select the thumbnail. I have used one script and it works on whatever image the user mouse over. Ideally, I used a function that is called whenever an image is moused over and the image itself is passed to it. The function then works on adjusting the height,width,location of that image.

```

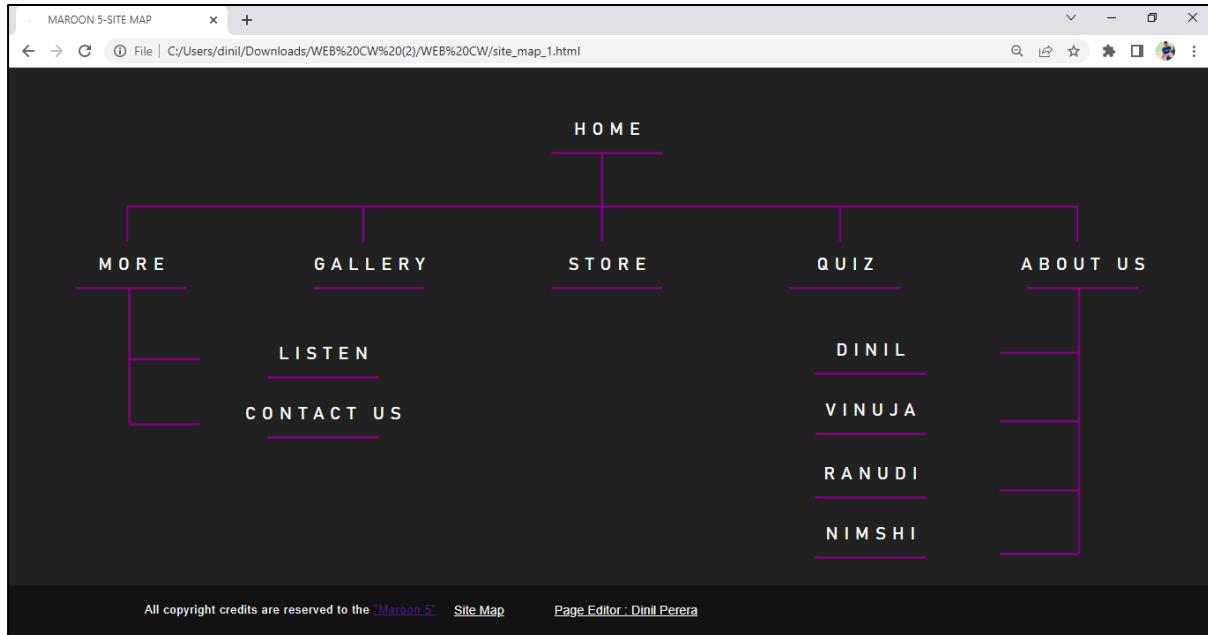
113  function enlargeImage(images) {
114      var enlargeImage = document.getElementById("enlargeImage");
115      var imageTitle = document.getElementById("imageTitle");
116      enlargeImage.src = images.src;
117      imageTitle.innerHTML = images.alt;
118      enlargeImage.parentElement.style.display = "block";
119  }
120  function displayDescriptionADAMLEVINE(){
121      |   document.getElementById("imageDescription").innerHTML = "Adam Levine was born on March 18,1979.(age 42)who is the lead vocalist ";
122  }
123  function displayDescriptionJAMESVALENTINE(){
124      |   document.getElementById("imageDescription").innerHTML = "James Valentine was born on October 5,1978(age43).";
125  }
126  function displayDescriptionMickeyMadden(){
127      |   document.getElementById("imageDescription").innerHTML = "Mickey Allen Madden was born May 13, 1979 is an American musician, sing";
128  }
129  function displayDescriptionPGMORTON(){
130      |   document.getElementById("imageDescription").innerHTML = "PJ MORTON was born on March 29,1981(age 40).Ryan Morton is the keyboard";
131  }
132  function displayDescriptionJESSECARMICHAEL(){
133      |   document.getElementById("imageDescription").innerHTML = "Jesse Royal Carmichael is an American musician, guitarist & keyboardist";
134  }
135  function displayDescriptionPEOPLECHOICEAWARDS(){
136      |   document.getElementById("imageDescription").innerHTML = "The People's Choice Awards for Favorite Band is one of the awards handed";
137  }

```

*Figure 3: Snippet code of the JavaScript which enlarge the image when user mouseover*

## Site map (SVG)

The sitemap should have navigation links to the appropriate part of the group website and should be developed in SVG.



To make the diagram look like this I used the <line> element to draws a single straight line.

```

112  <!-- lines -->
113  <svg class="Line1" width="200px" height="400px" >
114  <line x1="84" y1="0" x2="84" y2="172"/>
115
116 <line x1="84" y1="172" x2="173" y2="172"/>
117 <line x1="84" y1="90" x2="173" y2="90"/>
118 </svg>
119
120 <svg class="Line2" width="200px" height="400px" >
121 <line x1="181" y1="0" x2="181" y2="335"/>
122 <line x1="81" y1="335" x2="181" y2="335"/>
123 <line x1="81" y1="255" x2="181" y2="255"/>
124 <line x1="81" y1="168" x2="181" y2="168"/>
125 <line x1="81" y1="82" x2="181" y2="82"/>
126 </svg>
127
128 <svg class="Main1" width="1200px" height="120px">
129 <line x1="0" y1="75.778" x2="1199" y2="75.778"/>
130 <line x1="1" y1="75" x2="1" y2="139.684"/>
131 <line x1="299" y1="75.778" x2="299" y2="139.684"/>
132 <line x1="600" y1="10" x2="600" y2="139.684"/>
133 <line x1="900" y1="75.778" x2="900" y2="139.684"/>
134 <line x1="1199" y1="75" x2="1199" y2="142.684"/>
135 </svg>
```

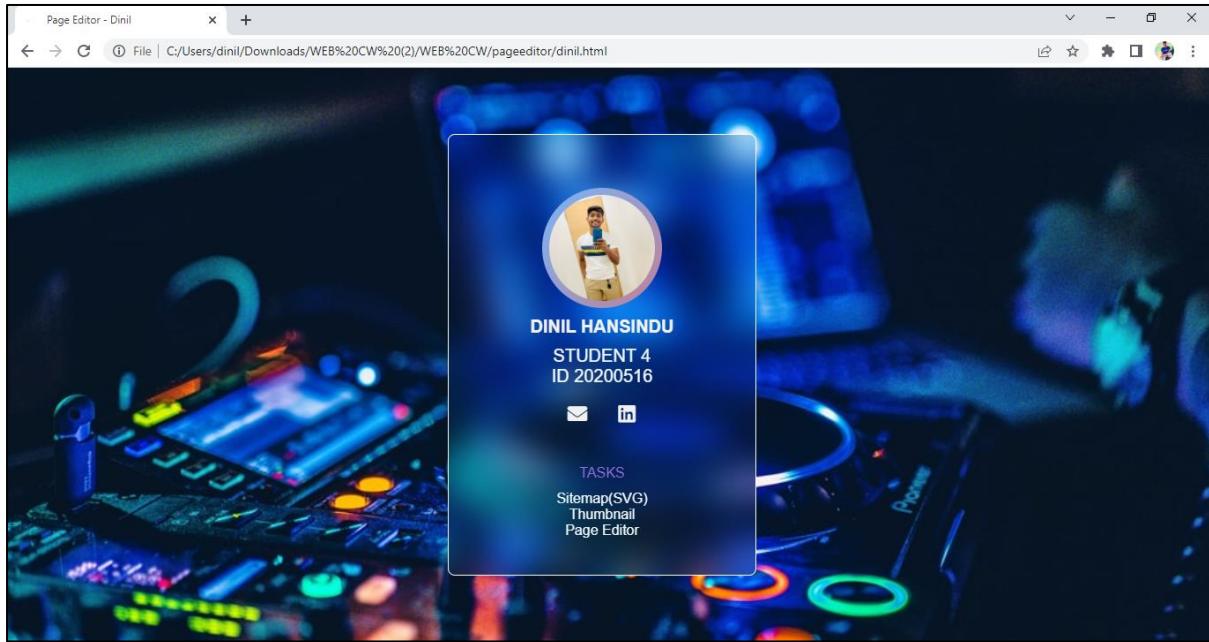
To explain more about the above code,

The x1 attribute specifies the beginning of the line on the x-axis.  
 The y1 attribute specifies the beginning of the line on the y-axis.  
 The x2 attribute specifies the end of the line on the x-axis  
 The y2 attribute specifies the end of the line on the y-axis

## Page Editor Page

In the page editor it was required that the student 1 creates a page that has links to the pages that was developed by student such as the presentation page and the buy products page.

The page editor was made presentable by implementing the concept of glass morphism, which blurs the background of the container.



Once the page editor is loaded a centered profile card will be displayed on the page which contains the image, name, role, and the set of tasks completed by the student.

Around the image, there will be an animated border with two colors this was accomplished using CSS @keyframes rule.

```

57 @keyframes animated-gradient{ /*changes style of animation in percentages*/
58   25%{
59     background-position: left bottom;
60   }
61   50%{
62     background-position: right bottom;
63   }
64   75%{
65     background-position: right top;
66   }
67   100%{
68     background-position: left top;
69   }
70 }
```

## Main (Home) Page

The main page was created in collaboration with the team, each member was allocated a specific task to develop the page.

The page consists of anchors that links to the other webpages.

The screenshot shows a dark-themed website for Maroon 5. At the top, there's a navigation bar with links for HOME, GALLERY, LISTEN, QUIZ, STORE, and CONTACT US. The main heading 'MAROON 5' is in white. Below it, the sub-heading 'Who are we?' is displayed in a purple font. To the right of the text, there is a black-and-white photograph of the five members of Maroon 5 standing together in formal attire. The text below the heading provides a brief biography of the band.

Maroon 5 is an American pop band from Los Angeles, California. It currently consists of lead vocalist Adam Levine, keyboardist and rhythm guitarist Jesse Carmichael, lead guitarist James Valentine, drummer Matt Flynn, keyboardist PJ Morton and multi-instrumentalist and bassist Sam Farrar..

### Additional Content Page

The additional content page was created in collaboration with the team, each member was allocated a specific task to develop the page. The requirements for the additional content page was to ensure the page (or another of our webpages) is long enough to use anchors within the page. Any page longer than the screen size should have links to various parts of the text at the top of the page.

We created an interactive webpage for users to listen to the band's music. The top of the webpage consists of a song directory which is an embedded album from Spotify. This was implemented on the webpage using an iframe.

```
64 | <div class="box1">
65 | | | <iframe src="https://open.spotify.com/embed/album/1pCA38N6MkLlthXtA0vZTU?utm_source=generator" allow="encrypted-media"></iframe>
66 | </div>
```

Figure 7: HTML code snippet for the song directory

An anchor was used with a button to direct the users to a table of concert dates, which is located at the bottom of the webpage.

### 3. Webpage Validation Statement

1. The gallery Page consisted of a few errors and warnings.
  - Errors: Class names and id's
  - Warnings: Headings
  
2. The sitemap consisted of an error.
  - End tag </svg> did not match the name of the current open element.

3. The Page editor page was validated without any errors.

(The screen shots of the validation results are in Appendix C.)

## 4. Janet

This site was designed only for the purpose of creating a workable website for the University of Westminster undergraduate module 4COSC011C's coursework requirements. The following rules apply to the website:

- Does not hack or compromise user data and does not participate in any unlawful or disruptive behavior.
- Does not generate or share anything that is offensive or vulgar.
- Any potentially damaging material or content will be removed from this website.
- "All copyright credits are reserved to <https://www.maroon5.com/>," is stated in the footer.

## References

W3schools.com. (2019). W3Schools Online Web Tutorials. [online] Available at: <https://www.w3schools.com/>

stack overflow - Stack Overflow for Teams <https://stackoverflow.com/>

Tutorials, Free Online Tutorial, javatpoint provides tutorials and interview questions of all technology like java tutorial, android, java frameworks, javascript, ajax, core: <https://www.javatpoint.com/>

## Appendices

### Appendix A: Code

#### Thumbnail Images (Gallery)

##### **File Name – gallerynew21.html**

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <title>MAROON 5-GALLERY</title>
        <link rel="stylesheet" href="CSs/gallerynew3.css">
            <link href="css/externalstyle.css" rel="stylesheet" type="text/css">
        <link rel="icon" href="image/logo5.ico" type="image/x-icon">
    </head>
    <body>
        <button onclick="topFunction()" id="myBtn" title="Go to top">Top</button>
        <script>
            var mybutton=document.getElementById("myBtn")
            window.onscroll = function() {scrollFunction()};
            function scrollFunction() {
                if (document.body.scrollTop > 20 || document.documentElement.scrollTop > 20) {
                    mybutton.style.display = "block";
                } else {
                    mybutton.style.display = "none";
                }
            }
            function topFunction() {
                document.body.scrollTop = 0;
                document.documentElement.scrollTop = 0;
            }
        </script>

        <!-- Navigation-->
        <header>
            <div class="container">
                <div id="branding">
                    
                </div>
                <nav>
                    <ul>
                        <li><a href="home.html">Home</a></li>
                        <li class="current"><a href="gallerynew21.html">Gallery</a></li>
                        <li><a href="Listen.html">Listen</a></li>
                        <li><a href="quiz.html">Quiz</a></li>
                        <li><a href="buy_products.html">Store</a></li>
                    </ul>
                </nav>
            </div>
        </header>
    </body>

```

```

        <li><a href="query.html">Contact Us</a></li>
    </ul>
</nav>
</div>
</header>
<!--End Navigation-->

<section>
    <div class="maroon-5 mp4">
        
    </div>
</section>

<div class="head">
    <h2>WELCOME TO</h2>
    <p>THE MAROON 5 GALLERY</p>
</div>

    <ul>
<li class="dropdownList"><a class="dropbutton">Change Page Background Colour:</a>
<div class="dropdownListcontent">
    <a href="javascript:oneBackground()">Snow White</a><br>
    <a href="javascript:twoBackground()">Marigold</a><br>
    <a href="javascript:threeBackground()">Raspberry sorbet</a><br>
    <a href="javascript:fourBackground()">Mint</a><br><br>
</div><br><br><br>
</li>
<li class = "dropdownList"><a class="dropbutton">Change Body Text Colour:</a>
<div class="dropdownListcontent">
    <a href="javascript:oneText()">Red</a><br>
    <a href="javascript:twoText()">blue</a><br>
    <a href="javascript:threeText()">black</a><br>
    <a href="javascript:fourText()">#ECDB54</a><br>
</div>
</li>
</ul><br><br><br>

<div class="MAIN1">
    <div class="MAIN2">
        
    </div>
    <div class="MAIN2">
        
    </div>
    <div class="MAIN2">

```

```

        
</div>
<div class="MAIN2">
    
</div>

<div class="MAIN2">
    
</div>
<div class="MAIN2">
    
</div>
</div>

<div class="MAIN3">
    <span onclick="this.parentElement.style.display='none'">&times;</span>
    <img id="enlargeImage" style="width:36%" alt="im" >
    <div id="imageTitle"></div>
    <div >
        <h2 id="imageDescription"></h2>
    </div>
</div>
</div>

<script>

function enlargeImage(images) {
    var enlargeImage = document.getElementById("enlargeImage");
    var imageTitle = document.getElementById("imageTitle");
    enlargeImage.src = images.src;
    imageTitle.innerHTML = images.alt;
    enlargeImage.parentElement.style.display = "block";
}
function displayDescriptionADAMLEVINE(){
    document.getElementById("imageDescription").innerHTML = "Adam Levine
was born on March 18,1979.(age 42)who is the lead vocalist of the pop rock band Maroon 5.
Levine began his musical career in 1994."
}
function displayDescriptionJAMESVALENTINE(){
    document.getElementById("imageDescription").innerHTML = "James
Valentine was born on October 5,1978(age43).";
}


```

```

function displayDescriptionMickeyMadden(){
    document.getElementById("imageDescription").innerHTML = "Mickey Allen
Madden was born May 13, 1979 is an American musician, singer and bassist. He was the
bassist for the pop rock band Maroon 5.";
}
function displayDescriptionPGMORTON(){
    document.getElementById("imageDescription").innerHTML = "PJ MORTON
was born on March 29, 1981(age 40).Ryan Morton is the keyboardist and rap vocalist for
Maroon 5. He joined the band as a full-time member in 2012. From 2012 to 2014 he filled-in
for keyboardist Jesse Carmichael.";
}
function displayDescriptionJESSECARMICHAEL(){
    document.getElementById("imageDescription").innerHTML = "Jesse Royal
Carmichael is an American musician, guitarist & keyboardist. He is the secondary guitar
player and keyboardist for the band Maroon 5. In 1994, he formed Kara's Flowers with Adam
Levine and Mickey Madden. The pair recorded the debut album Songs About Jane.";
}
function displayDescriptionPEOPLECHOICEAWARDS(){
    document.getElementById("imageDescription").innerHTML = "The People's Choice
Awards for Favorite Band is one of the awards handed out at the People's Choice Awards. It
was first awarded in 2012 to Maroon 5";
}

```

```

function oneBackground(){
    document.body.style.backgroundColor = "white";
}
function twoBackground(){
    document.body.style.backgroundColor = "#FDAC53";
}
function threeBackground(){
    document.body.style.backgroundColor = "#D2386C";
}
function fourBackground(){
    document.body.style.backgroundColor = "#00A170";
}

```

```

function oneText(){
    document.body.style.color = "red";
}
function twoText(){
    document.body.style.color = "blue";
}
function threeText(){
    document.body.style.color = "black";
}

```

```

function fourText(){
    document.body.style.color = "#ECDB54";
}
</script>

<!--Start Footer-->
<footer>
<section>
<div class="container">
<div class="box6">

<p> Universal Music Group 2220 Colorado Avenue, Santa Monica, CA <br>90404
(310) 865-4000</p>
</div>
<div id="box7">
<h1>Development Team</h1>
<table id="team">
<tr>
<td><a href="pageeditor/ranudi.html"></a></td>
<td><a href="pageeditor/vinuja.html"></a></td>
<td><a href="pageeditor/nimshi.html"></a></td>
<td><a href="pageeditor/dinil.html"></a></td>
</tr>
</table>
<a href="about.html" class="button">Meet Us</a>
</div>
</div>
<div style="background-color: #121212">
<div class="container2">
<div id="footer-bar">
<p> All copyright credits are reserved to the <a
href="https://www.maroon5.com/">"Maroon 5"</a></p>
<table>
<tr>
<td><a href="site_map_1.html" class="button2">Site Map</a></td>
<td><a href="pageeditor/dinil.html" class="button2">Page Editor : Dinil
Perera</a></td>
</tr>
</table>
</div>
</div>
</div>
</div>
</section>

```

```
</footer>
<!--End Footer-->
</body>
</html>
```

**File Name – gallerynew3.css**

```
@charset "utf-8";
/* CSS Document */

* {
    box-sizing: border-box;
}

body {
    margin: 0;
    font-family: Verdana;
    color :#000;
    background: #212121;
}

#myBtn {
    display: none;
    position: fixed;
    bottom: 20px;
    right: 30px;
    z-index: 99;
    font-size: 18px;
    border: none;
    outline: none;
    background-color: purple;
    color: white;
    cursor: pointer;
    padding: 15px;
    border-radius: 4px;
}

#myBtn:hover {
    color: #C04BE7;
    border: 2px solid #C04BE7;
}

.head{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
    text-align: center;
}

.head h2{
    color: #fff;
    font-size: 55px;
    margin: 0;
```

```
text-align: center;  
}  
  
.head p{  
color: #C04BE7;  
font-size: 45px;  
margin: 0;  
font-weight: bold;  
text-align: center;  
}  
  
.MAIN2 {  
float: left;  
width: 20%;  
padding: 2.5px;  
}  
  
.MAIN2 img {  
opacity: 0.80;  
cursor: pointer;  
height: 300px;  
width: 250px;  
}  
  
.MAIN2 img:hover {  
opacity: 1.0;  
box-shadow: 0 0 5px #C04BE7, 0 0 25px #C04BE7, 0 0 50px #C04BE7, 0 0 200px  
#C04BE7;  
color: #C04BE7;  
border: 2px solid #C04BE7;  
height: 300px;  
}  
  
.MAIN1:after {  
content: "";  
display: table;  
clear: both;  
}  
  
.MAIN3 {  
position: relative;  
display: none;  
text-align: center;  
}  
  
.closebutton {  
position: absolute;  
top: 10.0px;  
right: 15.0px;  
color: white;  
font-size: 35.0px;  
cursor: pointer;  
}
```

```
ul {  
    list-style-type: none;  
    margin: 0;  
    padding: 0;  
    overflow: hidden;  
    background-color: black;  
}  
  
li {  
    float: left;  
}  
  
li a, .navdropbutton {  
    display: inline-block;  
    color: purple;  
    text-align: center;  
    padding: 14.5px 16.5px;  
    text-decoration: none;  
}  
li.dropdownList {  
    display: inline-block;  
}  
  
.dropdownListcontent {  
    display: none;  
    position: absolute;  
    background-color: #EADEDB;  
    min-width: 160px;  
    box-shadow: 0px 8px 16px 0px rgba(0,0,0,0.2);  
    z-index: 1;  
    box-shadow: 0 0 5px #C04BE7, 0 0 25px #C04BE7, 0 0 50px #C04BE7, 0 0 200px  
#C04BE7;  
}  
  
.dropdownListcontent a {  
    color: black;  
    padding: 12px 16px;  
    text-decoration: none;  
    display: block;  
    text-align: left;  
}  
  
.dropdownListcontent a:hover{  
    background-color: #C04BE7;  
    box-shadow: 10px 10px 0px #7FFFD4;  
    top: -5px;  
    left: -5px;  
    border: 2px solid black;  
}  
  
.dropdownList:hover .dropdownListcontent {  
    display: block;  
}
```

```

h2#imageDescription {
    display: block;
    font-size: 1.5em;
    margin-block-start: 0.83em;
    margin-block-end: 0.83em;
    margin-inline-start: 0px;
    margin-inline-end: 0px;
    font-weight: bold;
}

```

## Site\_map (SVG)

**File Name – site\_map\_1.html**

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>MAROON 5-SITE MAP</title>
    <link rel="stylesheet" type="text/css" href="css/site_map_1.css">
    <link href="css/externalstyle.css" rel="stylesheet" type="text/css">
    <link rel="icon" href="image/logo5.ico" type="image/x-icon">

</head>
<body>

    <a href="home.html">
        <div class="home">
            <svg height="60" width="320" >
                <rect class="box" height="60" width="320">
            </svg>
            <div class="name">HOME</div>
        </div>
        </a>
        <a href=".html">
            <div class="Event">
                <svg height="60" width="320">
                    <rect class="box" height="60" width="320"/>
                </svg>
                <div class="name">MORE</div>
            </div>
            </a>
            <a href="gallerynew21.html">
                <div class="gallery">
                    <svg height="60" width="320">
                        <rect class="box" height="60" width="320"/>
                    </svg>
                    <div class="name">GALLERY</div>
                </div>
                </a>
                <a href="buy_products.html">
                    <div class="Store">
                        <svg height="60" width="320" >
                            <rect class="box" height="60" width="320"/>
                        </svg>

```

```

</svg>
<div class="name">STORE</div>
</div>
</a>
<a href="Quiz.html">
<div class="quiz">
<svg height="60" width="320" >
<rect class="box" height="60" width="320"/>
</svg>
<div class="name">QUIZ</div>
</div>
</a>
<a href="about.html">
<div class="aboutUs">
<svg height="60" width="320" >
<rect class="box" height="60" width="320"/>
</svg>
<div class="name">ABOUT US</div>
</div>
</a>
<a href="listen.html">
<div class="EX_1">
<svg height="60" width="320" >
<rect class="box" height="60" width="320"/>
</svg>
<div class="name">LISTEN</div>
</div>
</a>
<a href="query.html">
<div class="EX_2">
<svg height="60" width="320" >
<rect class="box" height="60" width="320"/>
</svg>
<div class="name">CONTACT US</div>
</div>
</a>

<!-- Inside About Us -->
<a href="pageeditor/dinil.html">
<div class="Dinil">
<svg height="60" width="320" >
<rect class="box" height="60" width="320"/>
</svg>
<div class="name">DINIL</div>
</div>
</a>
<a href="pageeditor/vinuja.html">
<div class="Vinuja">
<svg height="60" width="320" >
<rect class="box" height="60" width="320"/>
</svg>
<div class="name">VINUJA</div>
</div>
</a>

```

```

<a href="pageeditor/ranudi.html">
<div class="Ranudi">
  <svg height="60" width="320" >
    <rect class="box" height="60" width="320"/>
  </svg>
  <div class="name">RANUDI</div>
</div>
</a>
<a href="pageeditor/nimshi.html">
<div class="Nimshi">
  <svg height="60" width="320" >
    <rect class="box" height="60" width="320"/>
  </svg>
  <div class="name">NIMSHI</div>
</div>
</a>
<!-- lines -->
<svg class="Line1" width="200px" height="400px" >
<line x1="84" y1="0" x2="84" y2="172"/>

<line x1="84" y1="172" x2="173" y2="172"/>
<line x1="84" y1="90" x2="173" y2="90"/>
</svg>

<svg class="Line2" width="200px" height="400px" >
<line x1="181" y1="0" x2="181" y2="335"/>
<line x1="81" y1="335" x2="181" y2="335"/>
<line x1="81" y1="255" x2="181" y2="255"/>
<line x1="81" y1="168" x2="181" y2="168"/>
<line x1="81" y1="82" x2="181" y2="82"/>
</svg>

<svg class="Main1" width="1200px" height="120px">
<line x1="0" y1="75.778" x2="1199" y2="75.778"/>
<line x1="1" y1="75" x2="1" y2="139.684"/>
<line x1="299" y1="75.778" x2="299" y2="139.684"/>
<line x1="600" y1="10" x2="600" y2="139.684"/>
<line x1="900" y1="75.778" x2="900" y2="139.684"/>
<line x1="1199" y1="75" x2="1199" y2="142.684"/>
</svg>
<!--Start Footer-->
<section id="footer-bottom">
  <div style="background-color: #121212">
    <div class="container2">
      <div id="footer-bar">
        <p> All copyright credits are reserved to the <a href="https://www.maroon5.com/">"Maroon 5"</a></p>
        <table>
          <tr>
            <td><a href="site_map_1.html" class="button2">Site Map</a></td>
            <td><a href="pageeditor/dinil.html" class="button2">Page Editor : Dinil Perera</a></td>
          </tr>
        </table>
      </div>
    </div>
  </div>
</section>

```

```
</div>
</div>
</section>

<!--End Footer-->
</body>
</html>
```

***File Name – site\_map\_1.css***

```
html, body {
    height: 100%;
    text-align: center;
    overflow: hidden;
    margin: 10% 0;
    background-color: #212121;
}
```

```
.home {
    height: 60px;
    margin: 0 auto;
    position: absolute;
    top: 11%;
    right: 600px;
    transform: translateY(-50%);
    width: 320px;
}
```

```
.Event {
    height: 60px;
    margin: 0 auto;
    position: absolute;
    top: 34.5%;
    right: 1200px;
    transform: translateY(-50%);
    width: 320px;
}
```

```
.gallery {
    height: 60px;
    margin: 0 auto;
    position: absolute;
    top: 34.5%;
    right: 900px;
    transform: translateY(-50%);
    width: 320px;
}
```

```
.Store {
    height: 60px;
    margin: 0 auto;
```

```
position: absolute;
top: 34.5%;
right: 600px;
transform: translateY(-50%);
width: 320px;
}

.quiz {
height: 60px;
margin: 0 auto;
position: absolute;
top: 34.5%;
right: 300px;
transform: translateY(-50%);
width: 320px;
}

.aboutUs {
height: 60px;
margin: 0 auto;
position: absolute;
top: 34.5%;
right: 0px;
transform: translateY(-50%);
width: 320px;
}

.box {
fill: transparent;
stroke-dasharray: 140 540;
stroke-dashoffset: -474;
stroke-width: 6px;
stroke: purple;
}

/*inside store*/
.EX_1 {
height: 60px;
margin: 0 auto;
position: absolute;
top: 50%;
right: 958px;
transform: translateY(-50%);
width: 320px;
}

.EX_2 {
height: 60px;
margin: 0 auto;
position: absolute;
top: 60.5%;
right: 958px;
transform: translateY(-50%);
width: 320px;
}
```

/\*Inside About Us\*/

```
.Dinil {  
height: 60px;  
margin: 0 auto;  
position: absolute;  
top: 49.5%;  
right: 268px;  
transform: translateY(-50%);  
width: 320px;  
}  
.Vinuja {  
height: 60px;  
margin: 0 auto;  
position: absolute;  
top: 60%;  
right: 268px;  
transform: translateY(-50%);  
width: 320px;  
}  
.Ranudi {  
height: 60px;  
margin: 0 auto;  
position: absolute;  
top: 71%;  
right: 268px;  
transform: translateY(-50%);  
width: 320px;  
}  
.Nimshi {  
height: 60px;  
margin: 0 auto;  
position: absolute;  
top: 81.5%;  
right: 268px;  
transform: translateY(-50%);  
width: 320px;  
}  
  
.name {  
color: #fff;  
font-family: "Bahnschrift";  
font-size: 22px;  
letter-spacing: 8px;  
line-height: 32px;  
padding: 10px;  
position: relative;  
top: -60px;  
}  
.name:hover {  
background-color: purple;
```

```

box-shadow: 0 0 5px #C04BE7, 0 0 25px #C04BE7, 0 0 50px #C04BE7, 0 0 200px
#C04BE7;

}

@font-face{
  font-family: "Bahnschrift";
}

@keyframes draw {
  0% {
    stroke-dasharray: 140 540;
    stroke-dashoffset: -474;
    stroke-width: 8px;
  }
  100% {
    stroke-dasharray: 760;
    stroke-dashoffset: 0;
    stroke-width: 4px;
  }
}

/*Lines*/
.Line1{
  position: absolute;
  top: 38.4%;
  right: 1250px;
  stroke: purple;
  stroke-width:3px;
}

.Line2{
  position: absolute;
  top: 38.4%;
  right: 150px;
  stroke: purple;
  stroke-width:3px;
}

.Main1{
  position: absolute;
  stroke: purple;
  top: 13.7%;
  right: 170px;
  stroke-width:3px;
}

Page Editor

```

**File Name – pageeditor/dinil.html**

```

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Page Editor - Dinil</title>

```

```

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.2/css/all.min.css"/> <!--to get the social media icons-->
<link rel="stylesheet" href="stylePageEditor4.css">
<link rel="icon" href="logo5.ico" type="image/x-icon">

</head>
<body>

<div class="profile-card">
  <div class="card-header">
    <div class="pic">
       <!--image of creator-->
    </div>
    <div class="name">DINIL HANSINDU</div> <!--creator's name-->
    <div class="task">
      <p>STUDENT 4</p>
      <p>ID 20200516</p>
      <div class="sm">
        <!--social media icons-->
        <a href="mailto:dinal.20200516@iit.ac.lk" class="fa fa-envelope"></a>
        <a href="https://www.linkedin.com/in/dinal-hansindu-5b8a7822b/" class="fab fa-linkedin"></a>
      </div>
      </div> <!--role--> <a href="" class="task-style"><!--animation box for tasks-->
      Tasks
    </a><br>
    <p>Sitemap(SVG)</p>
    <p>Thumbnail</p>
    <p>Page Editor</p>
  </div>
</div>

</body>
</html>

```

### ***File Name – pageeditor/stylePageEditor4.css***

```

*{
  margin: 0;
  padding: 0;
  font-family: 'Poppins', sans-serif;
  box-sizing: border-box;
  text-decoration: none;
}

body{
  background: url("remix.jfif") no-repeat center;
  background-size: cover;
  display: flex;
  align-items: center;
  justify-content: center;
  display: flex;
}

```

```

-webkit-box-pack: center;
-ms-flex-pack: center;
justify-content: center;
-webkit-box-align: center;
-webkit-tap-highlight-color: transparent;
}

.profile-card{ /*styling the profile card*/
width: 400px;
text-align: center;
overflow: hidden;
position: relative;
padding: 2rem 1rem;
display: flex;
min-height: 100vh;
align-items: center;
}

.card-header{
padding: 60px 40px;
position: relative;
width: 350px;
height: 500px;
display: flex;
flex-direction: column;
border-radius: 2px solid #00002a;
backdrop-filter: blur(20px);
border: 1px solid white;
border-radius: 8px;
}

.pic{ /*styling the image*/
display: inline-block;
padding: 8px;
background: linear-gradient(130deg, #74b9ff,#e66767);
margin: auto;
border-radius: 50%;
background-size: 150% 150%;
animation: animated-gradient 2s linear infinite;}

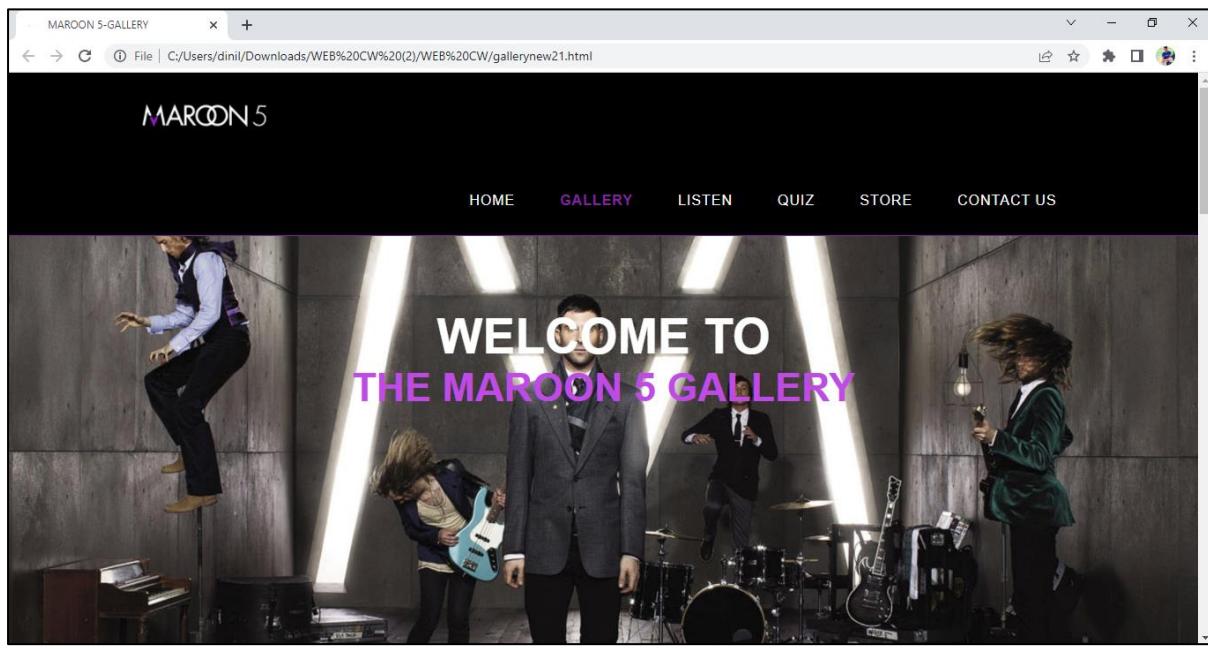
@keyframes animated-gradient{ /*changes style of animation in percentages*/
25%{
background-position: left bottom;
}
50%{
background-position: right bottom;
}
75%{
background-position: right top;
}
100%{
background-position: left top;
}
}

```

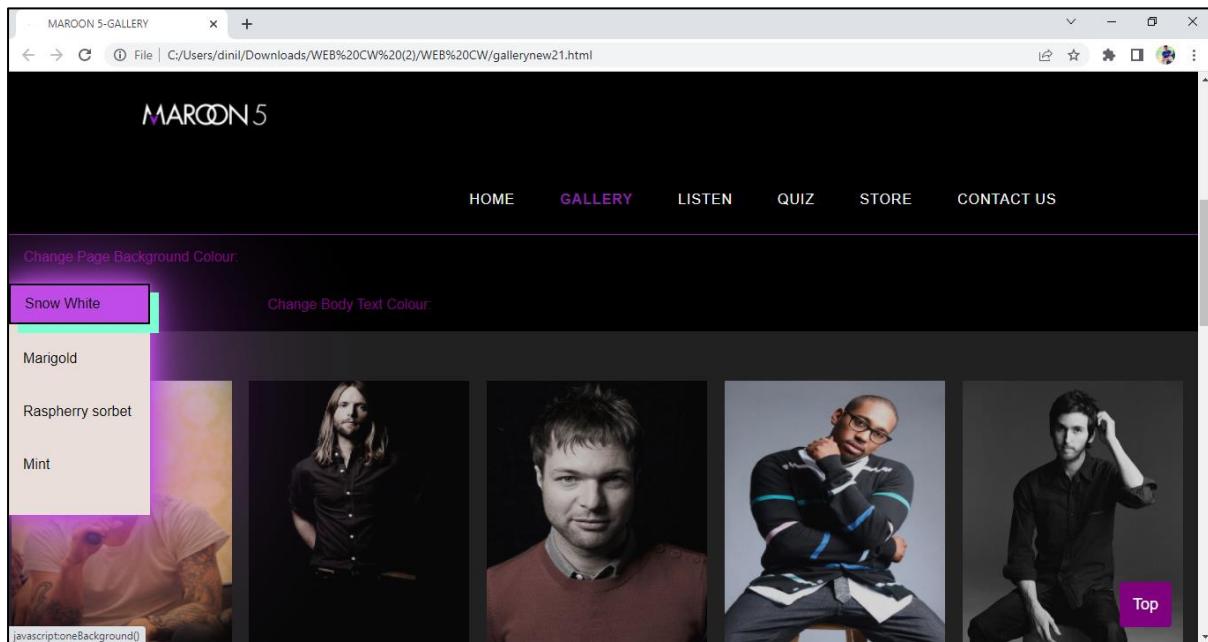
```
.pic img{  
    display: block;  
    width: 120px;  
    height: 120px;  
    border-radius: 50%;  
}  
  
.name{  
    color: #f2f2f2;  
    font-size: 20px;  
    font-weight: 600;  
    margin: 10px 0;  
}  
  
}  
  
.task{  
    font-size: 20px;  
    color:#ffffff ;  
}  
  
}  
  
.sm{  
    display: flex;  
    justify-content: center;  
    margin: 20px 0;}  
  
.sm a{  
    color:#f2f2f2 ;  
    width: 56px;  
    font-size: 22px;  
    transition: .3s linear;}  
  
.sm a:hover{  
    color: #1076c9;}  
  
.task-style{ /*styling the task box*/  
    position: relative;  
    display: inline-block;  
    color: mediumpurple;  
    text-transform: uppercase;  
    border-radius: 6px;  
    margin-top: 7px;  
    margin-bottom: -9px;  
    transition: .3s linear;  
    overflow: hidden;  
    padding: 20px;  
}  
  
}  
  
.task-style:hover{ /*hovering effect on the task box*/  
    color: #255784;  
    box-shadow: 0 0 10px mediumpurple,0 0 20px mediumpurple,0 0 30px mediumpurple;  
    transition-delay: 1s;  
}  
p{  
    color: aliceblue;  
}
```

## Appendix B: Screenshots

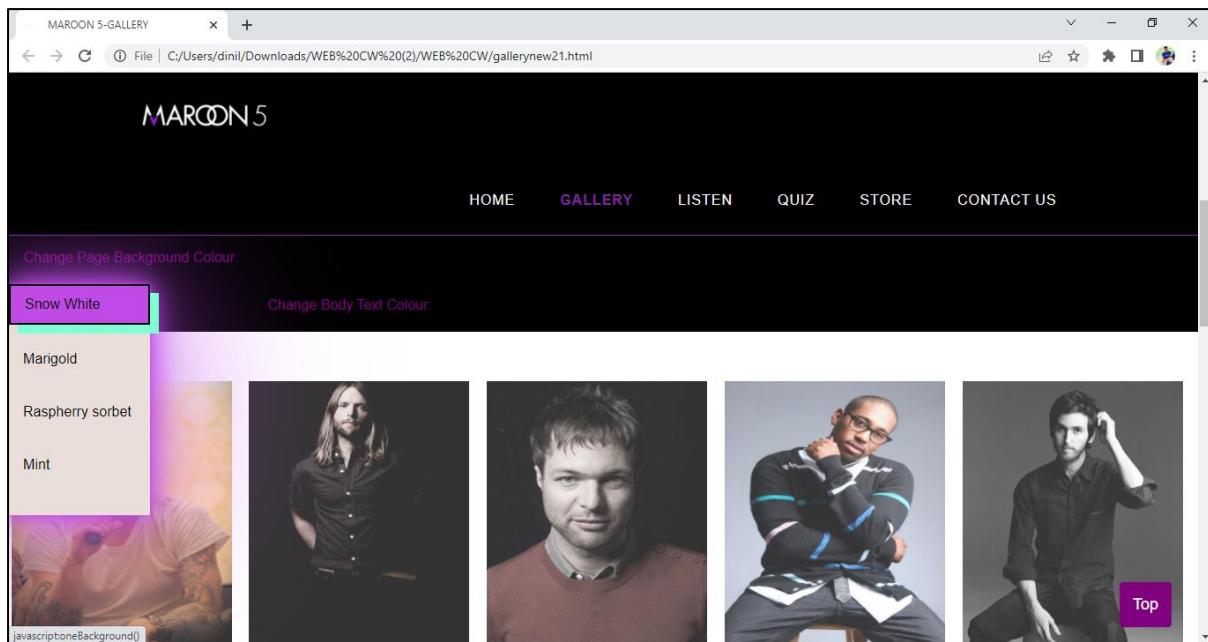
File Name – gallerynew21.html



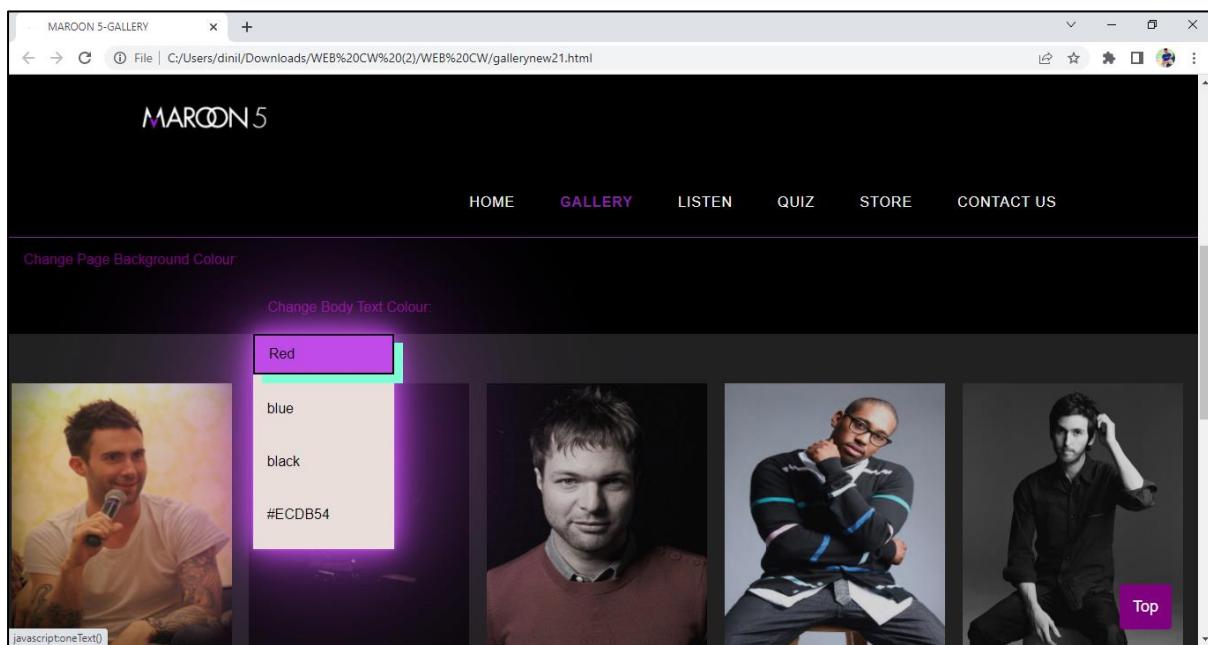
*Scroll Down*



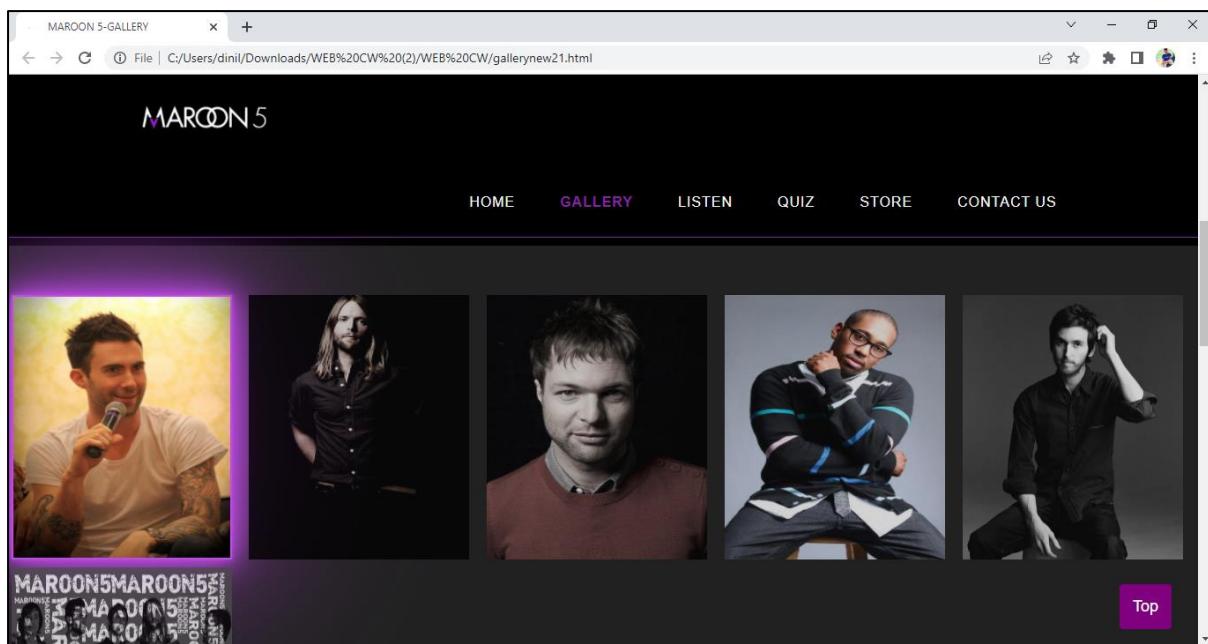
*Choose the background colour*



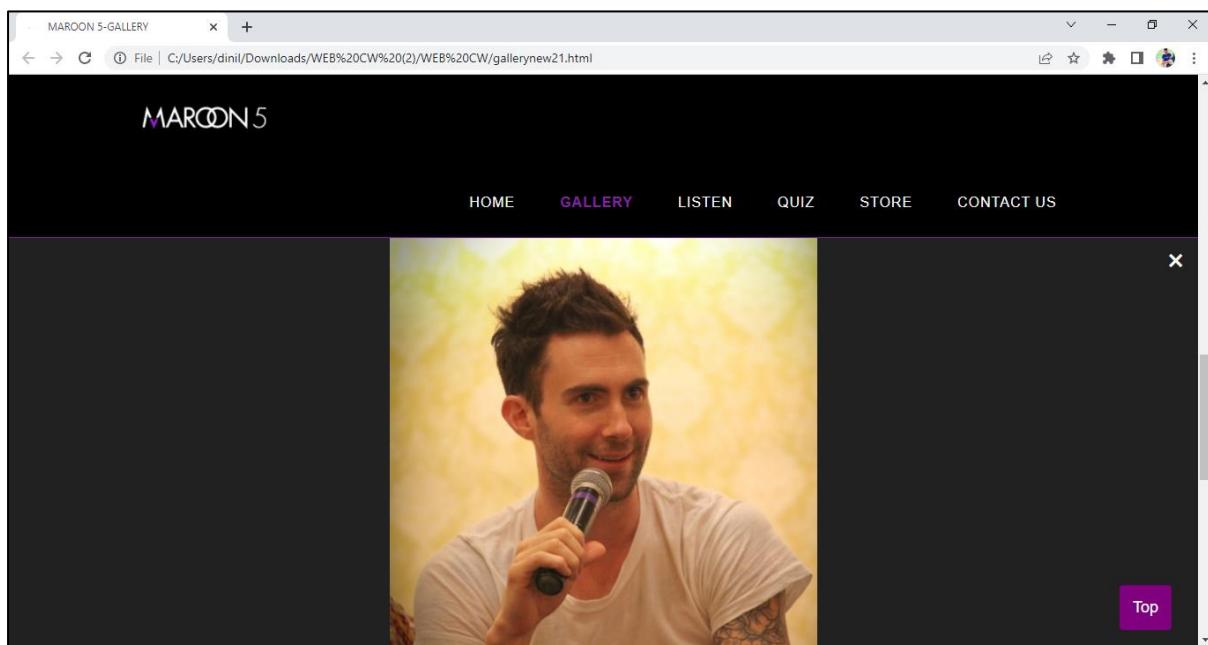
*The selected background colour has chaned.*



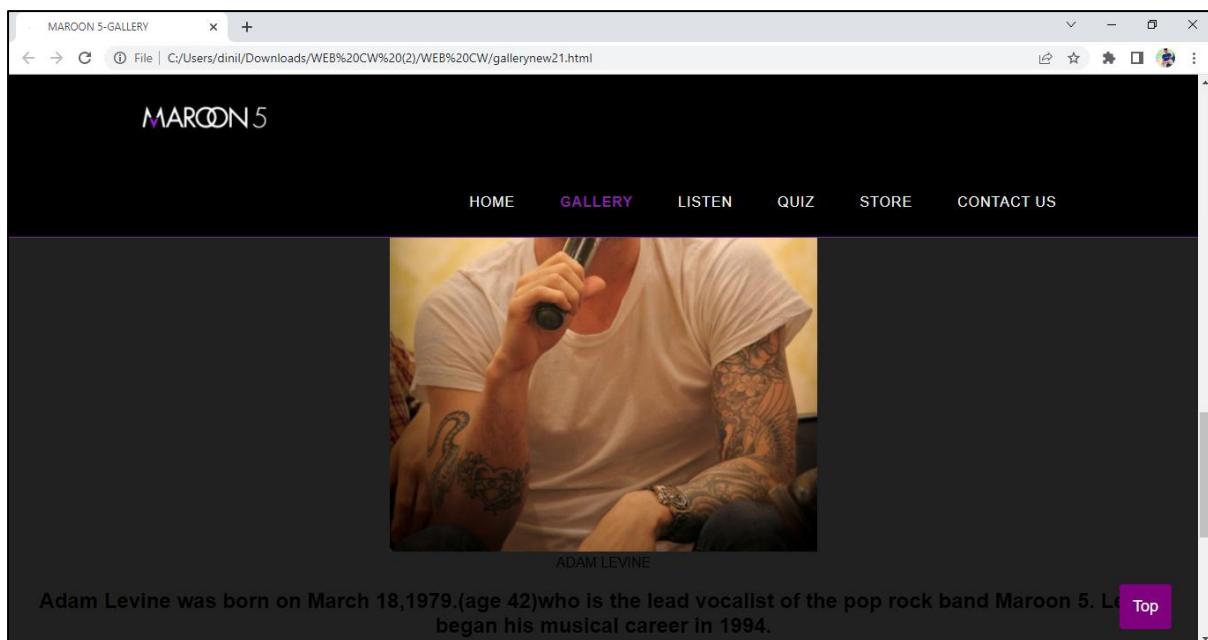
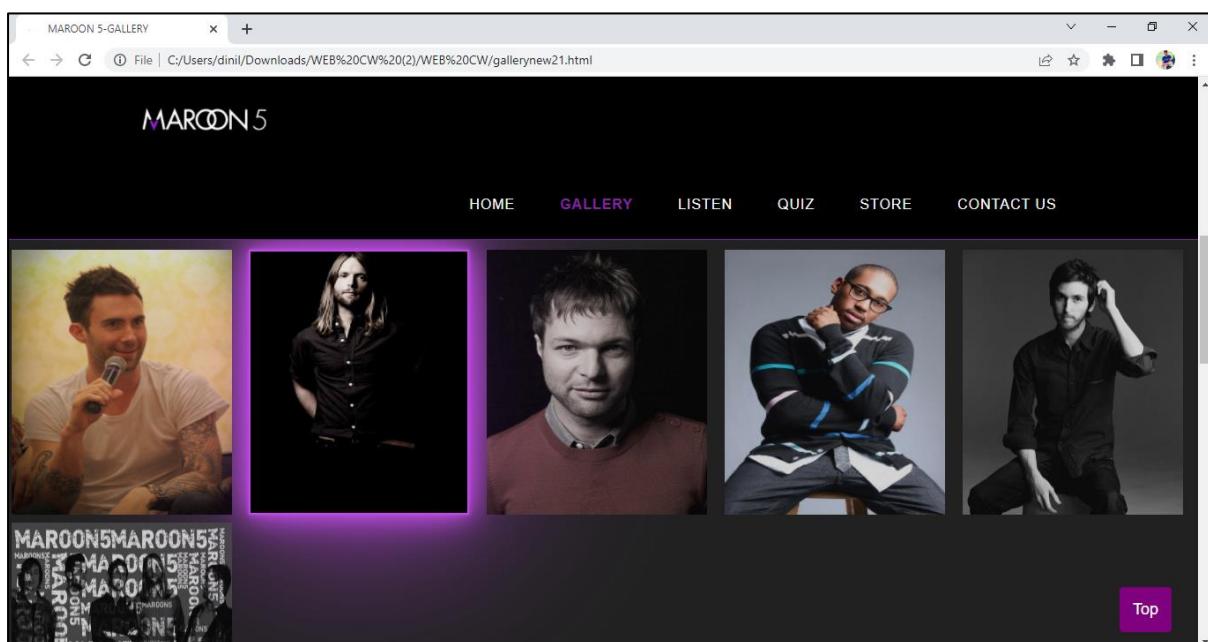
*Choose the text color.*

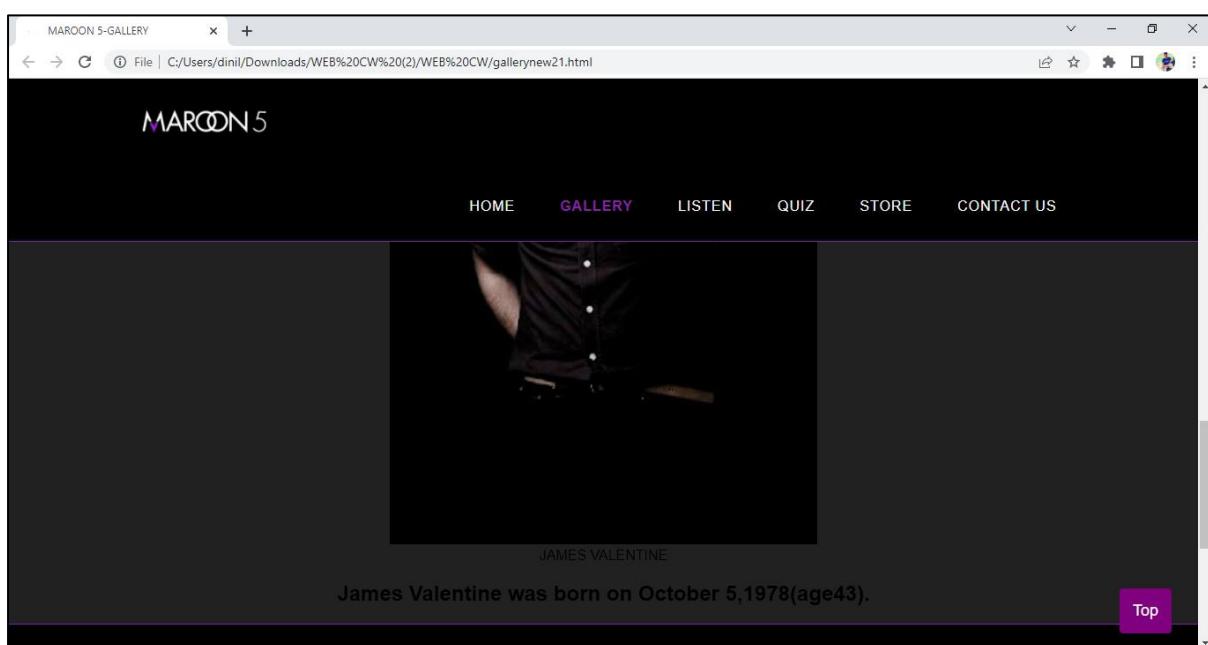
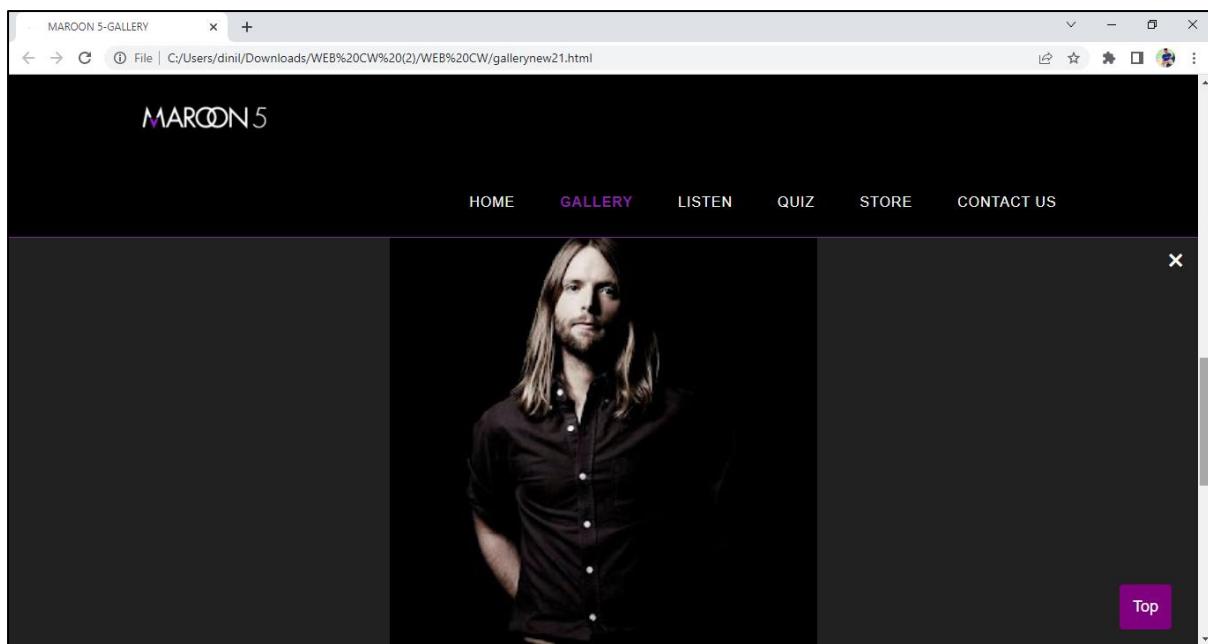


### *Hover effects*



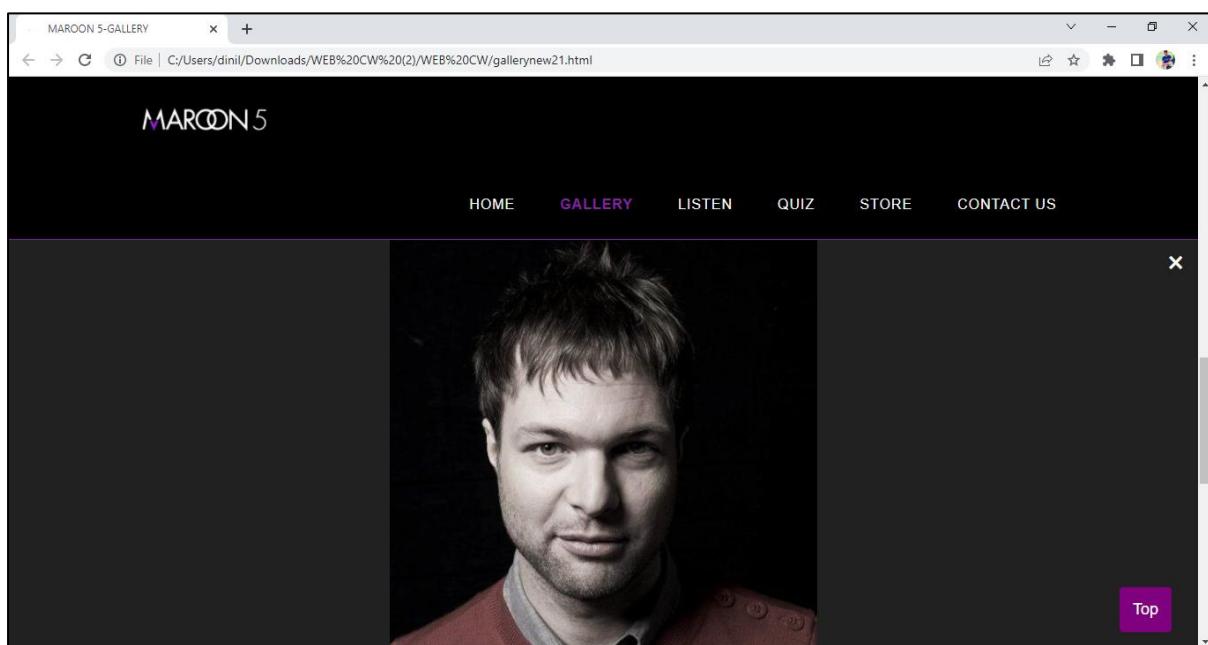
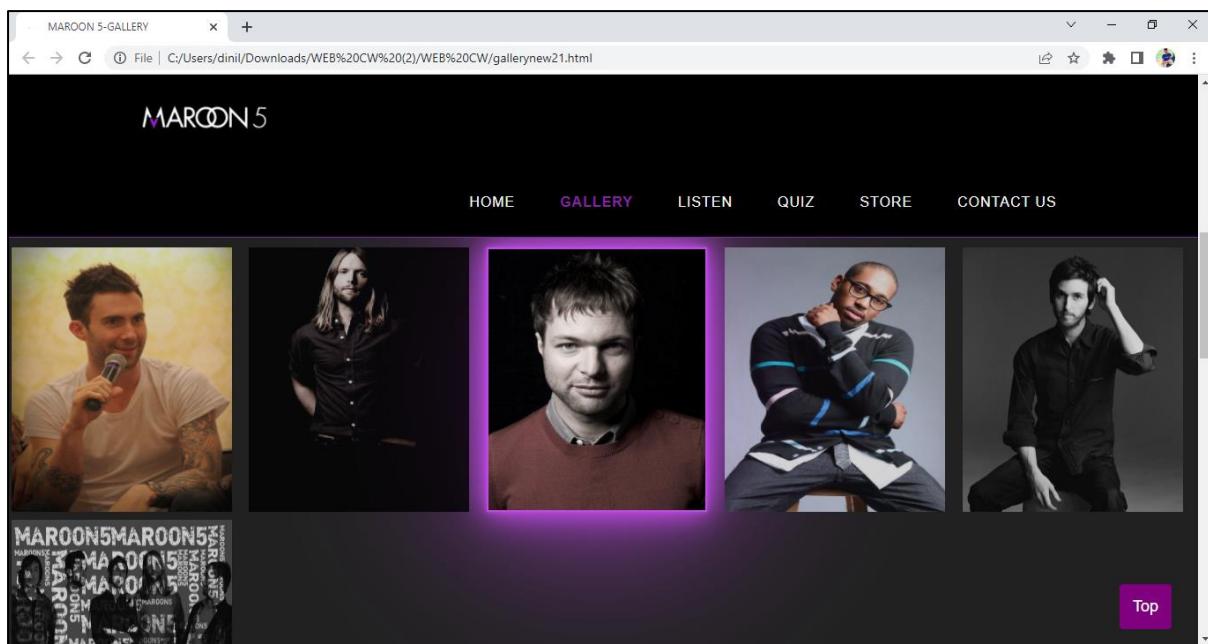
*View the image according to the mouse hover.*

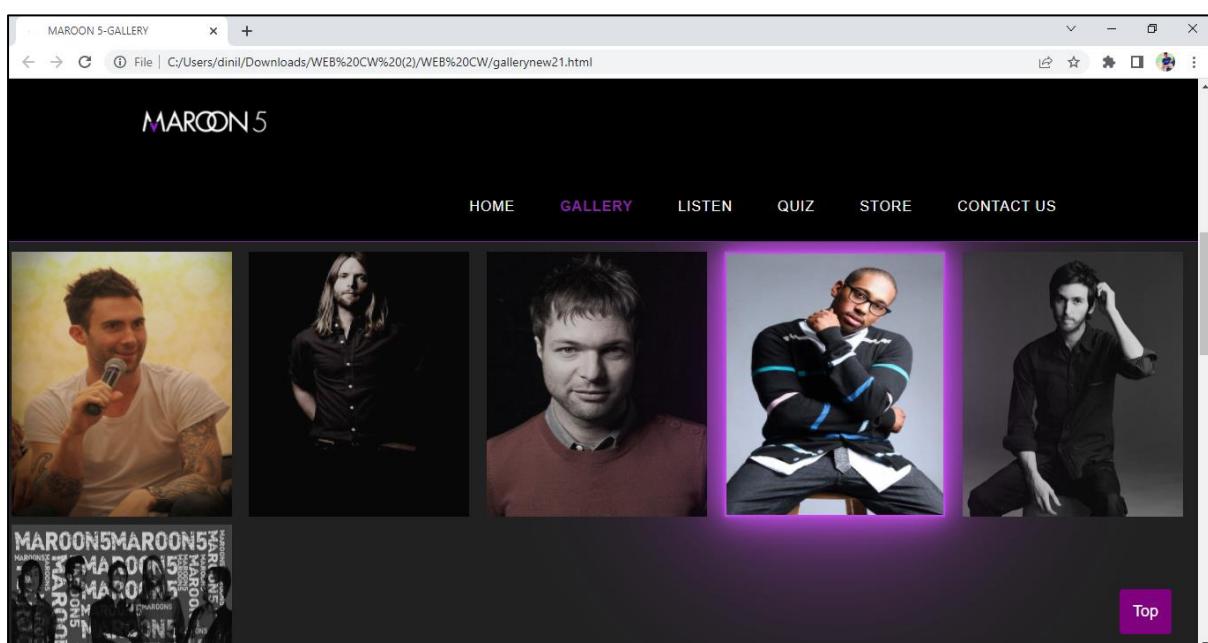
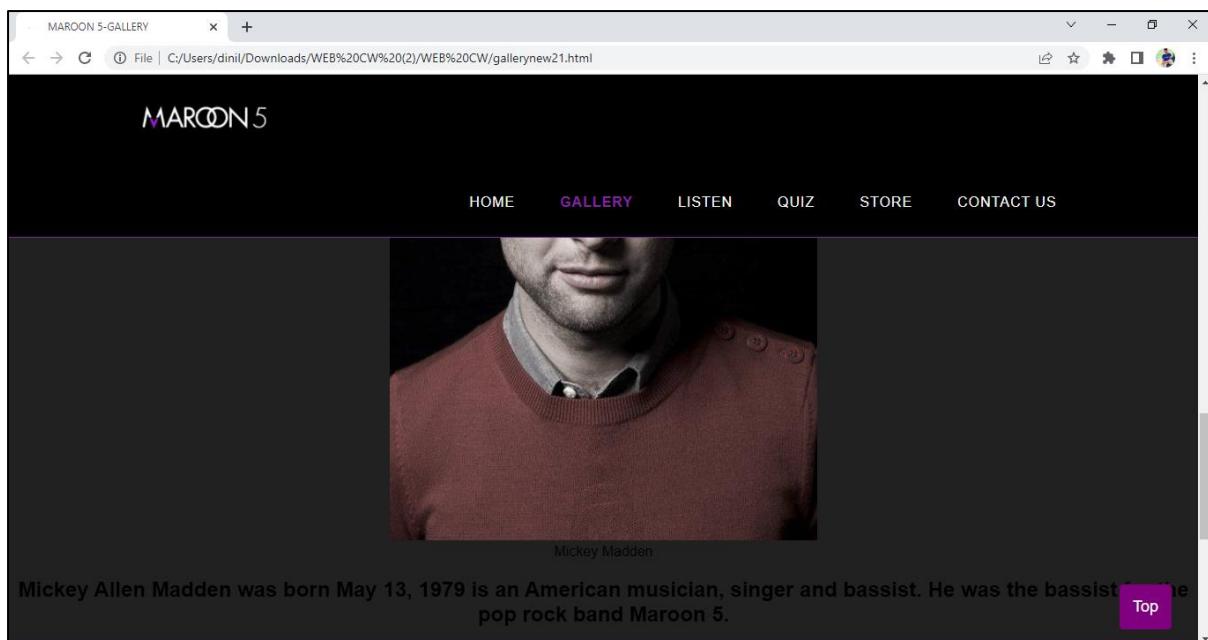
*Image description*

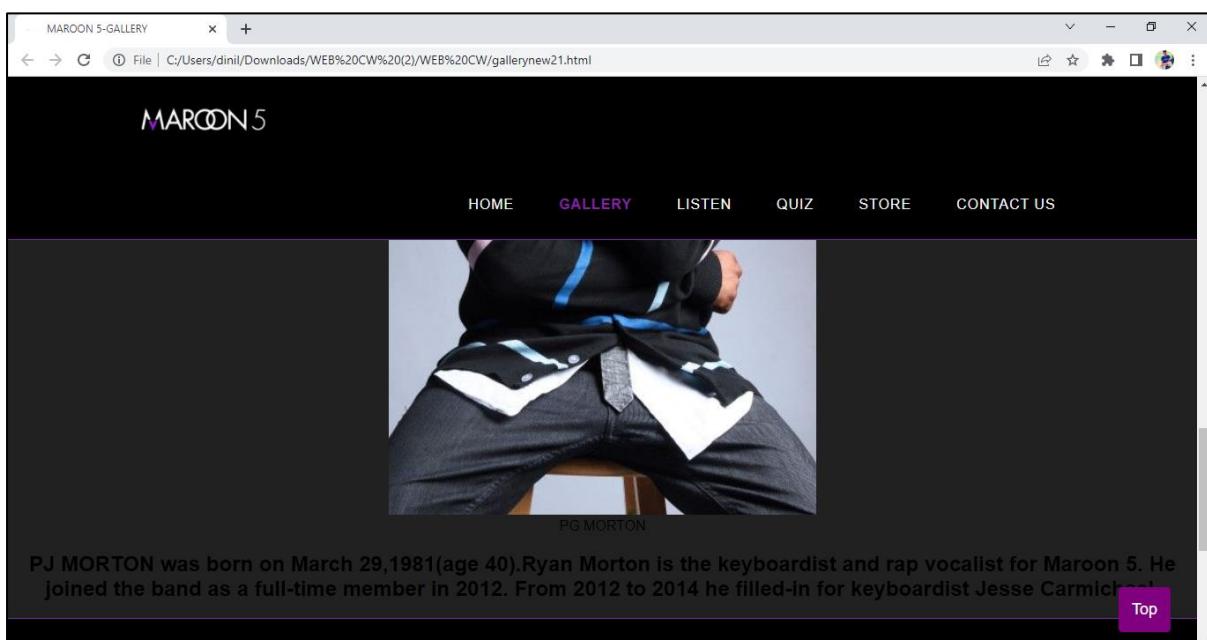
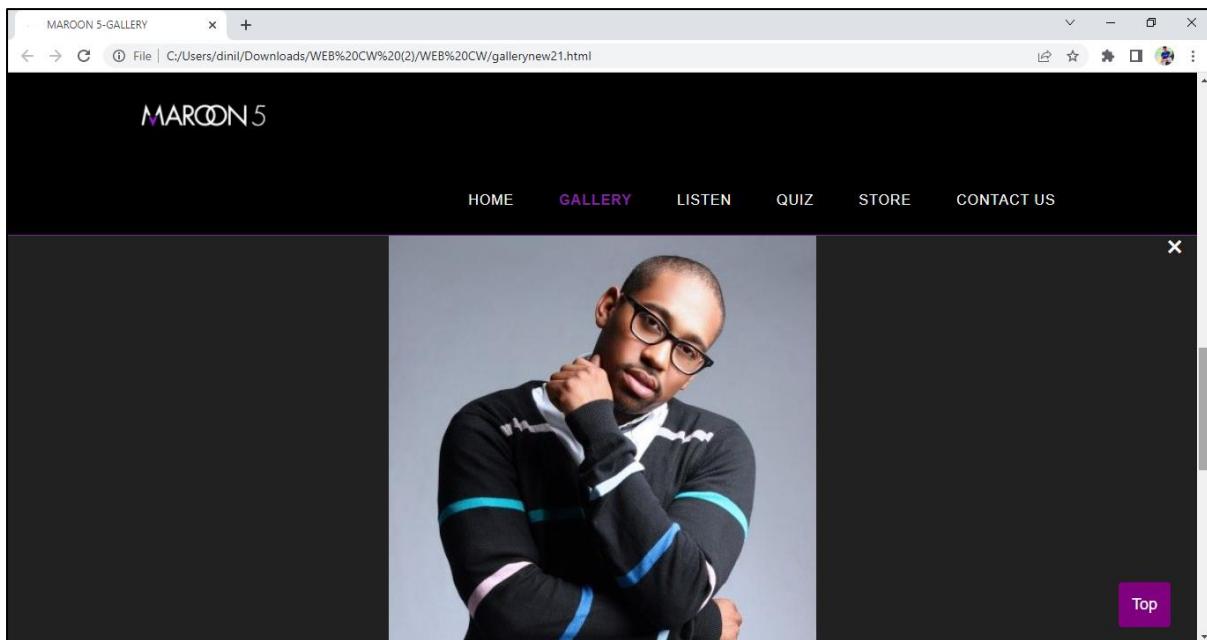


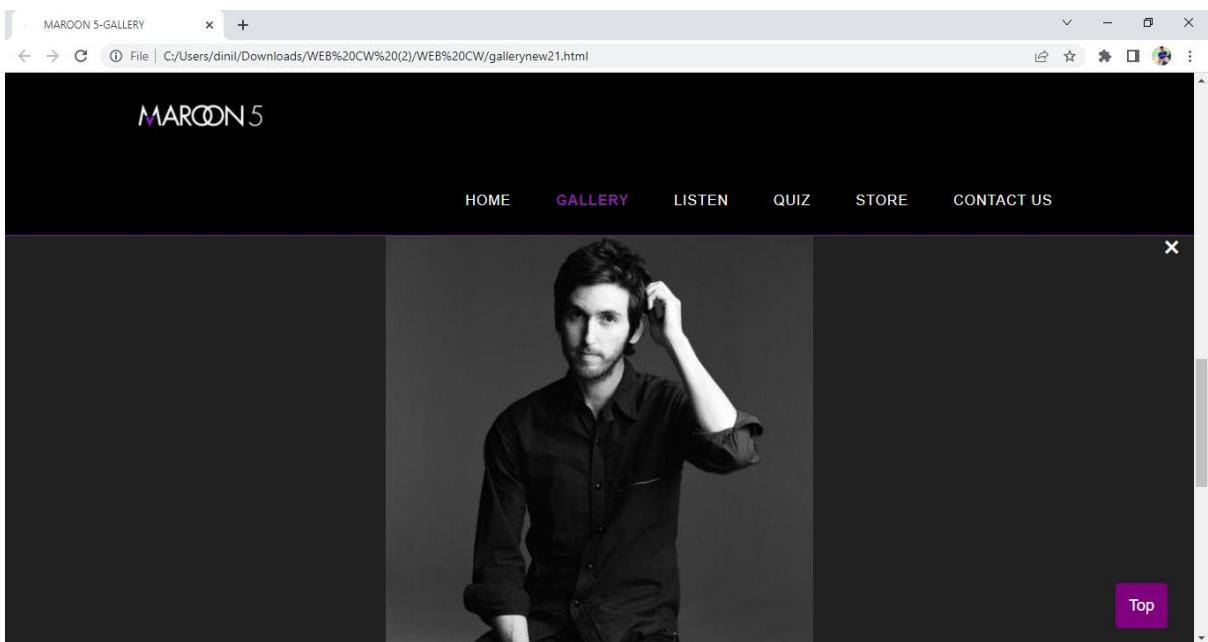
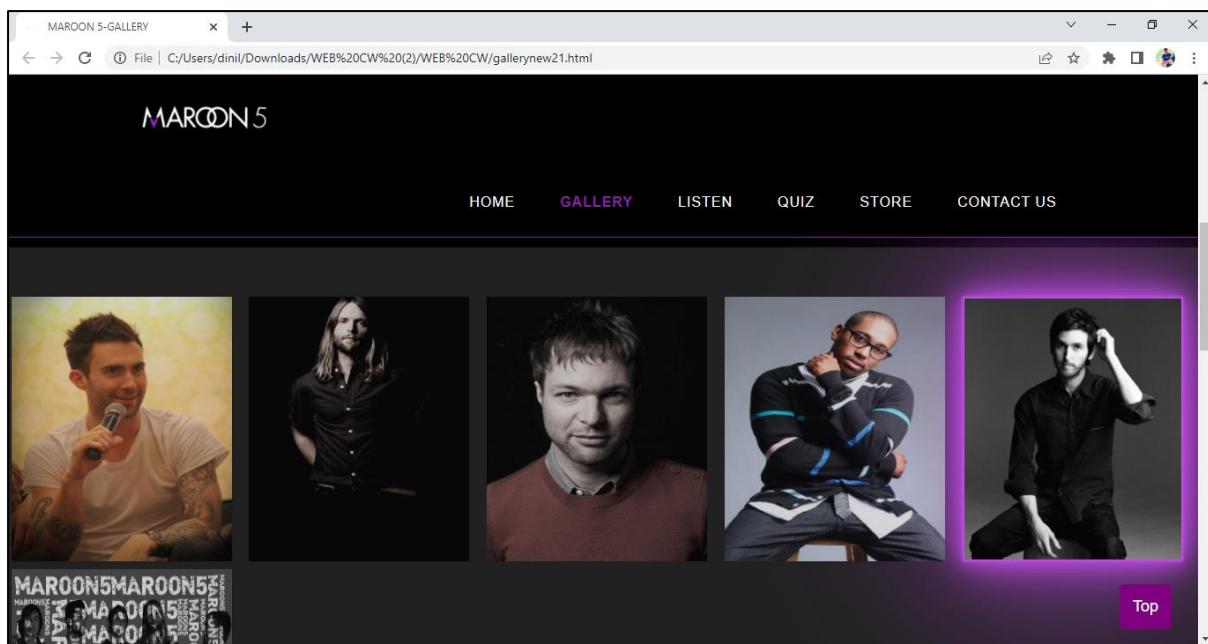
March 30, 2022

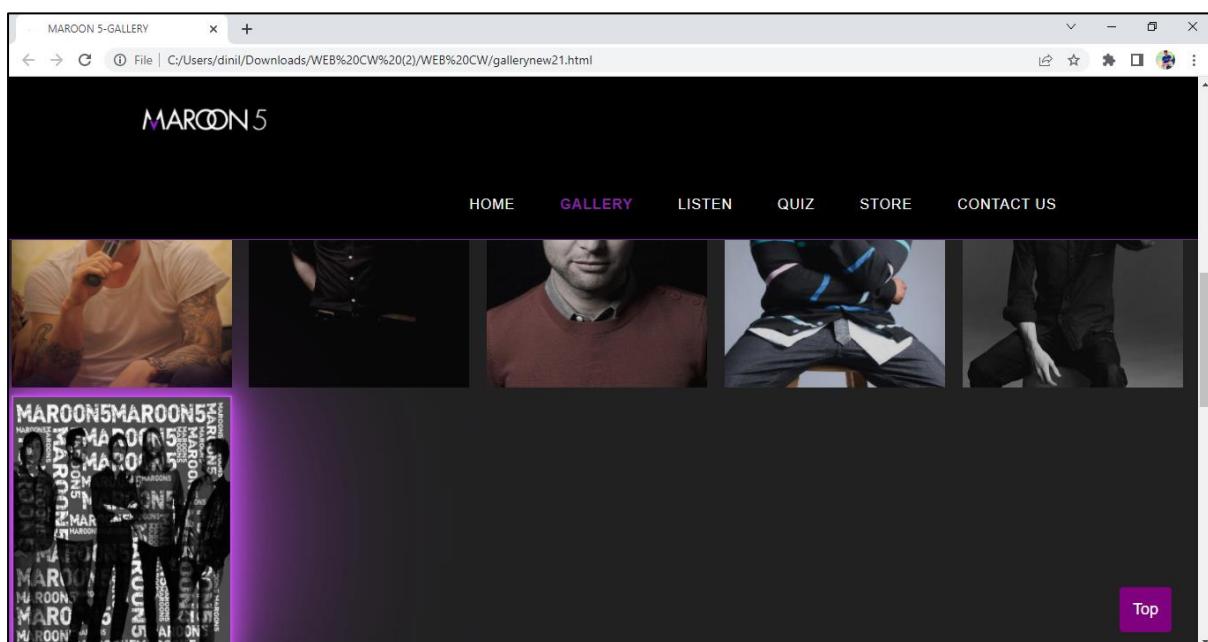
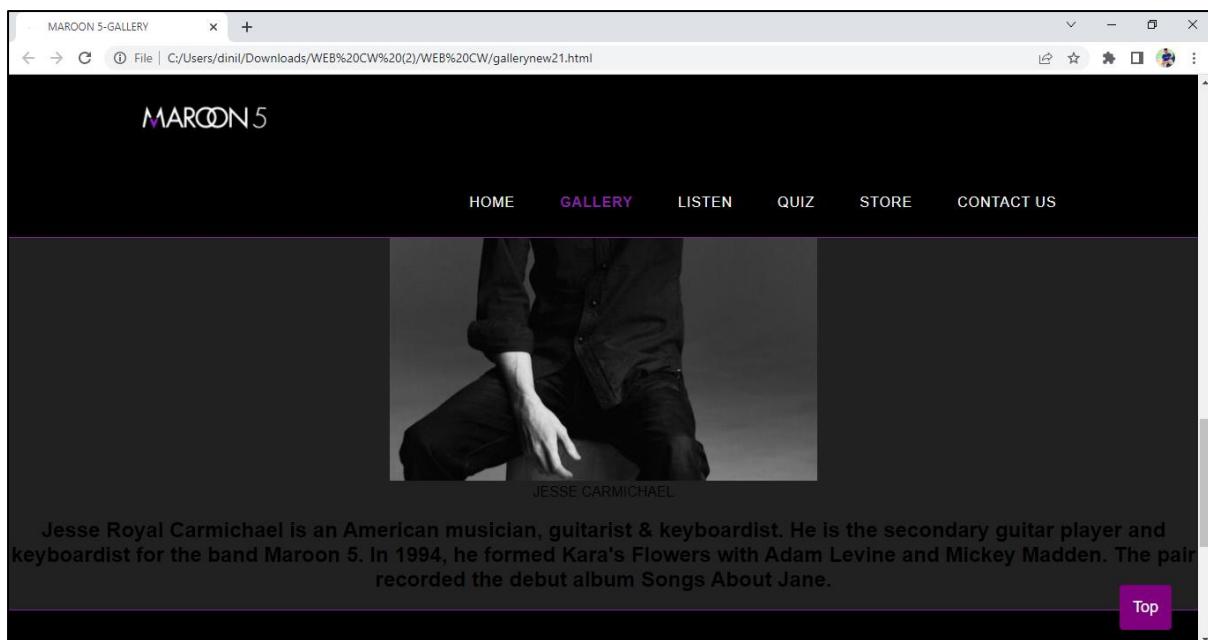
[DINIL HANSINDU PERERA]

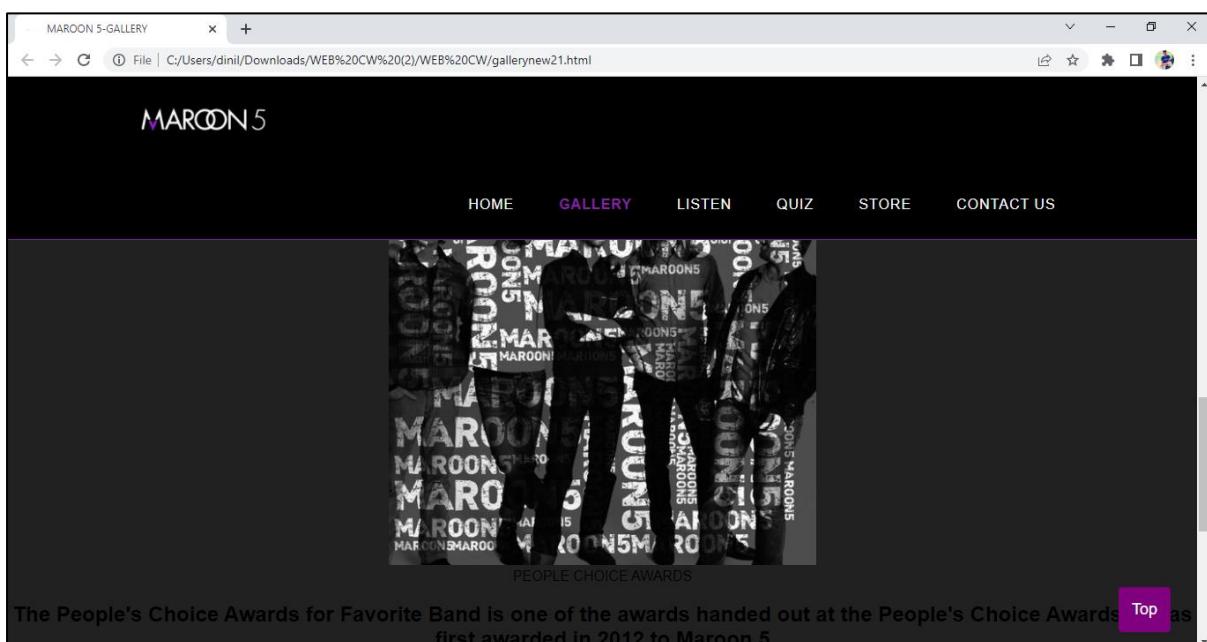
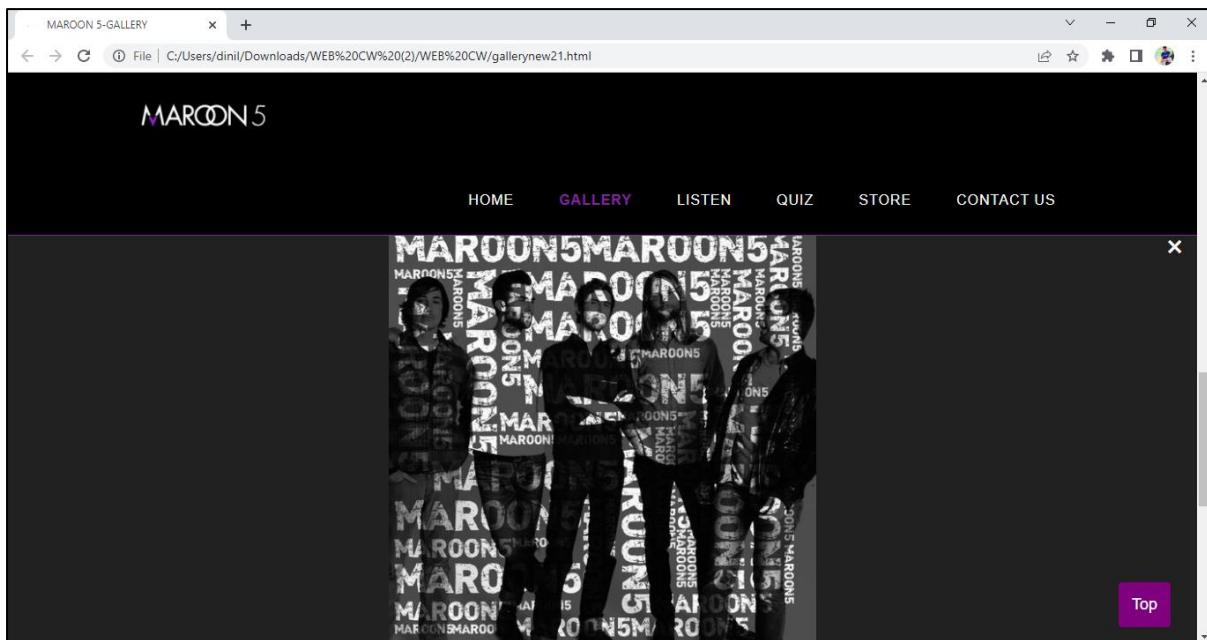


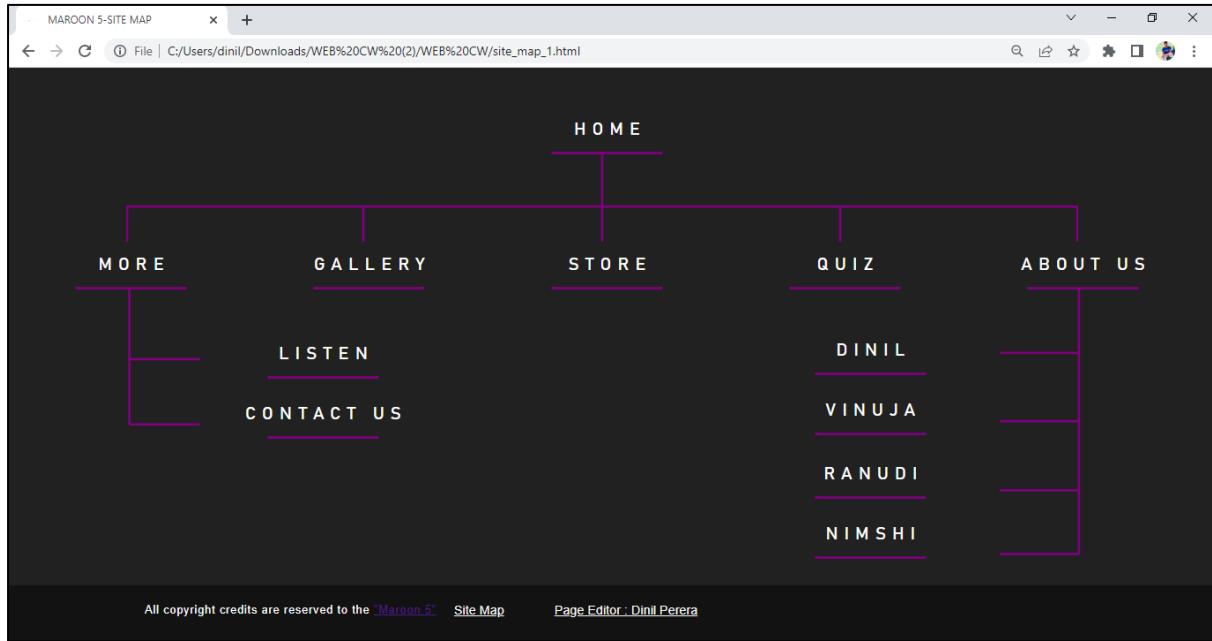
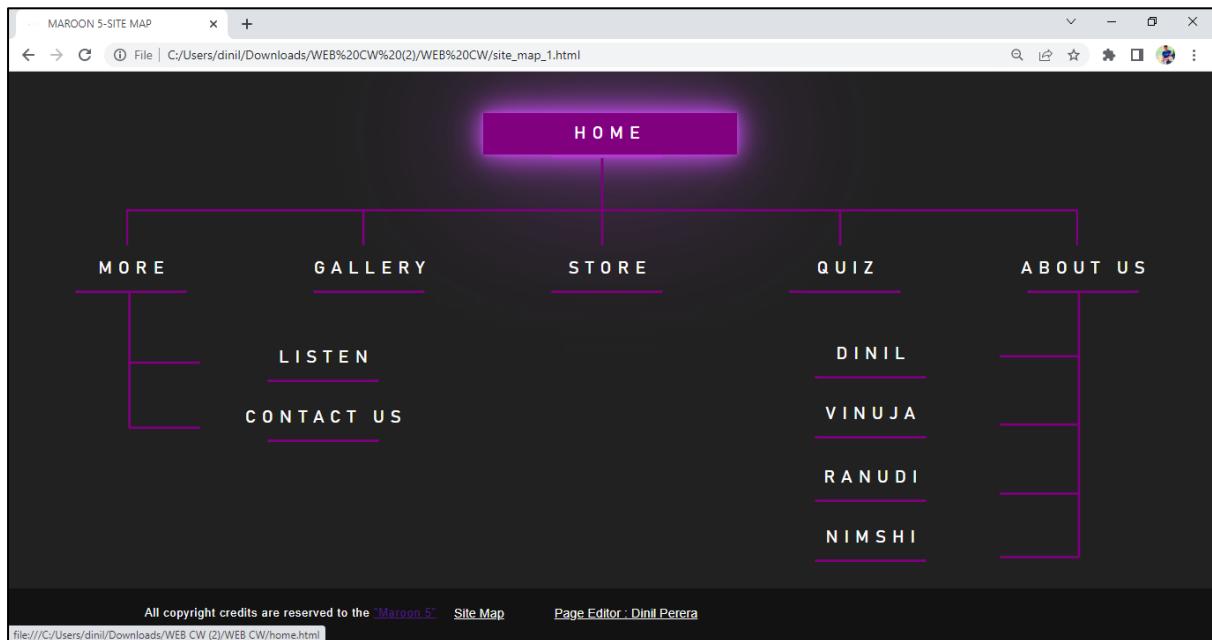


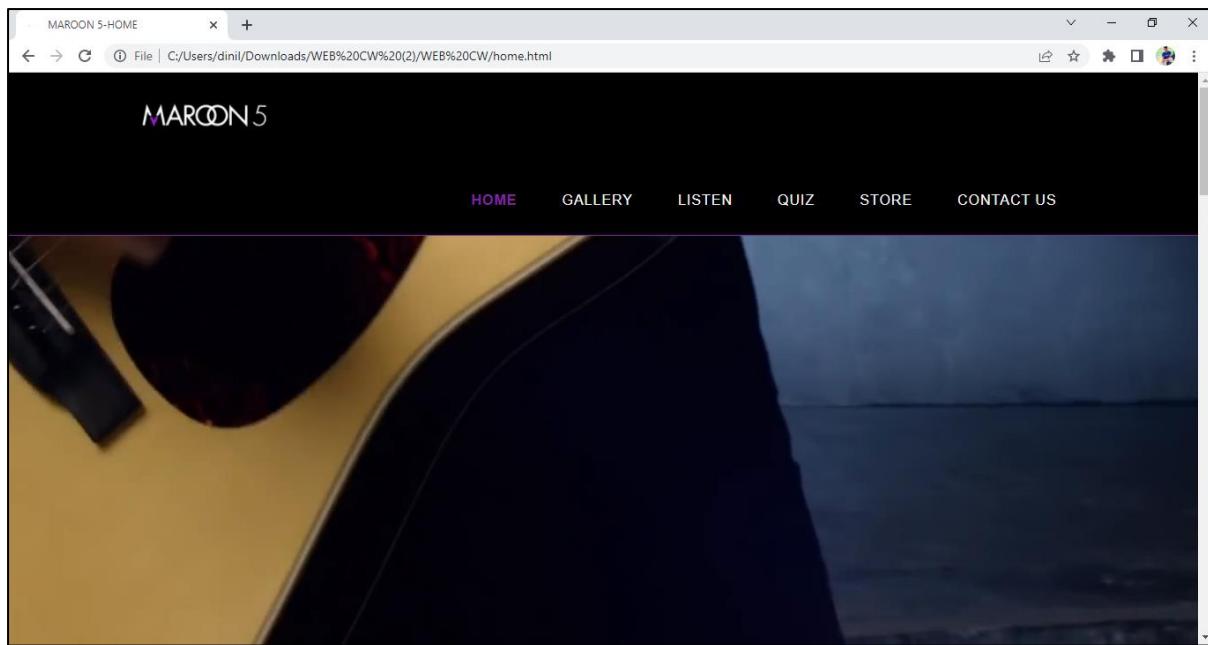




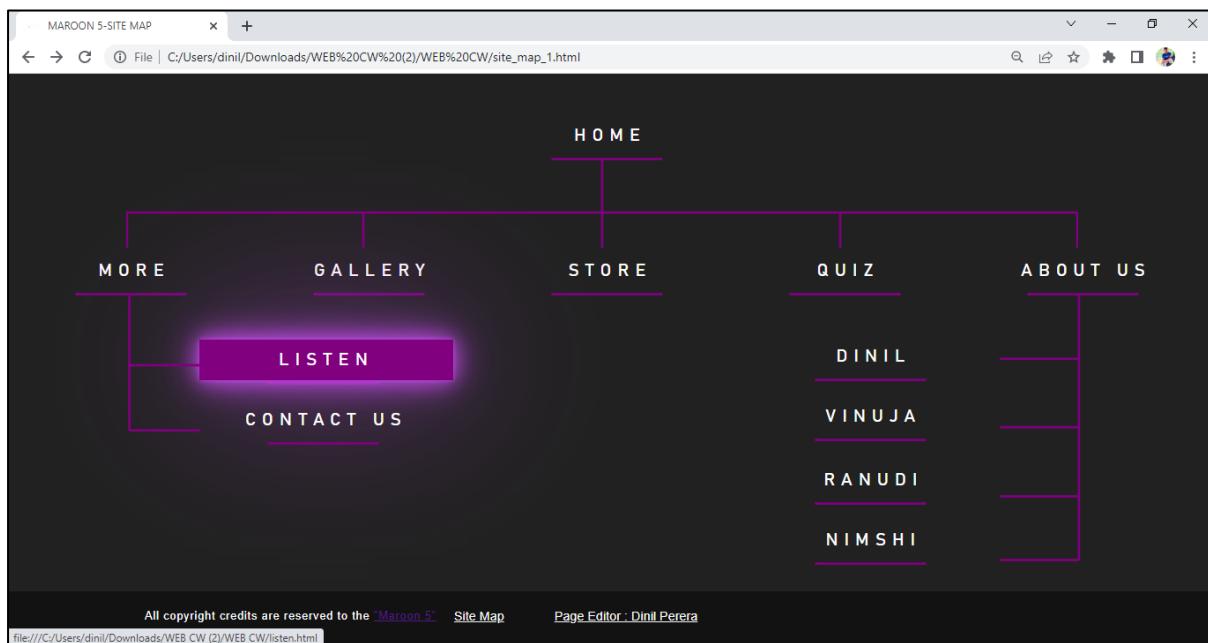




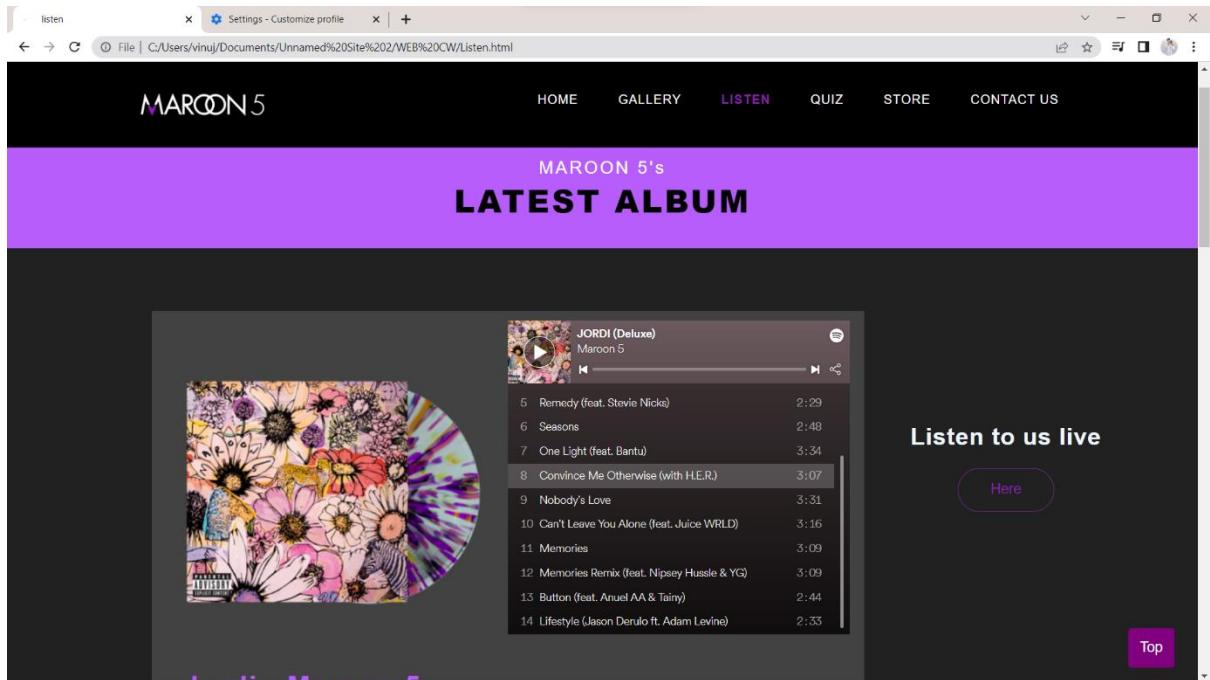
**File Name - site\_map\_1.html**[Full sitemap page](#)[When hovered over Home](#)



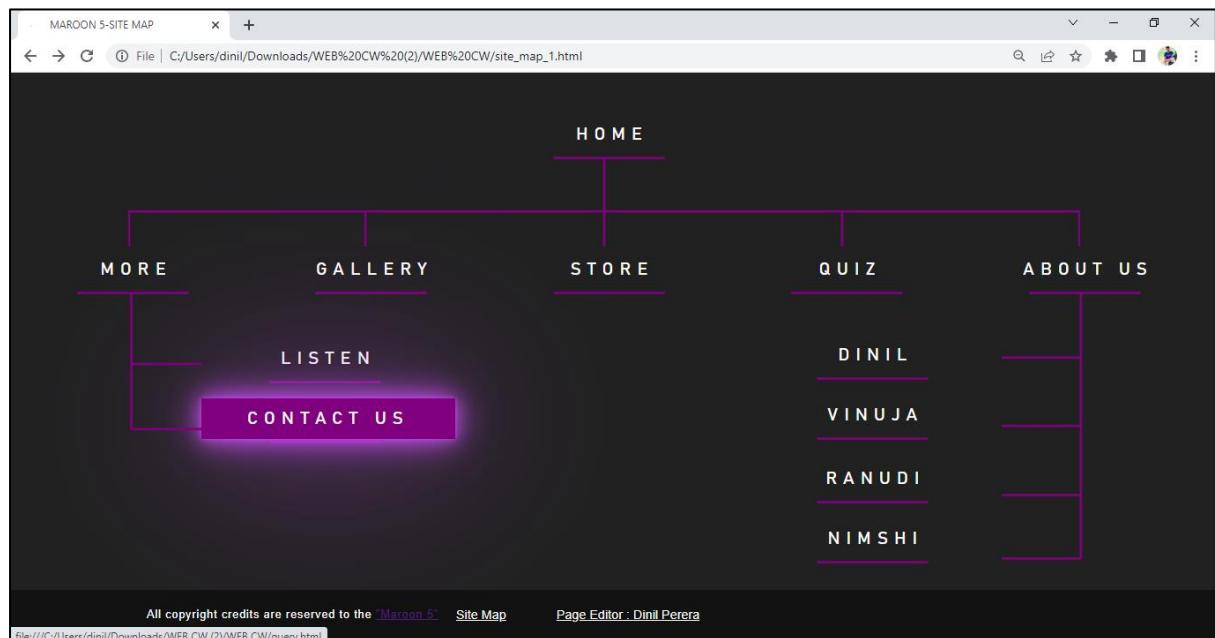
Clicking on home on the sitemap will bring you here



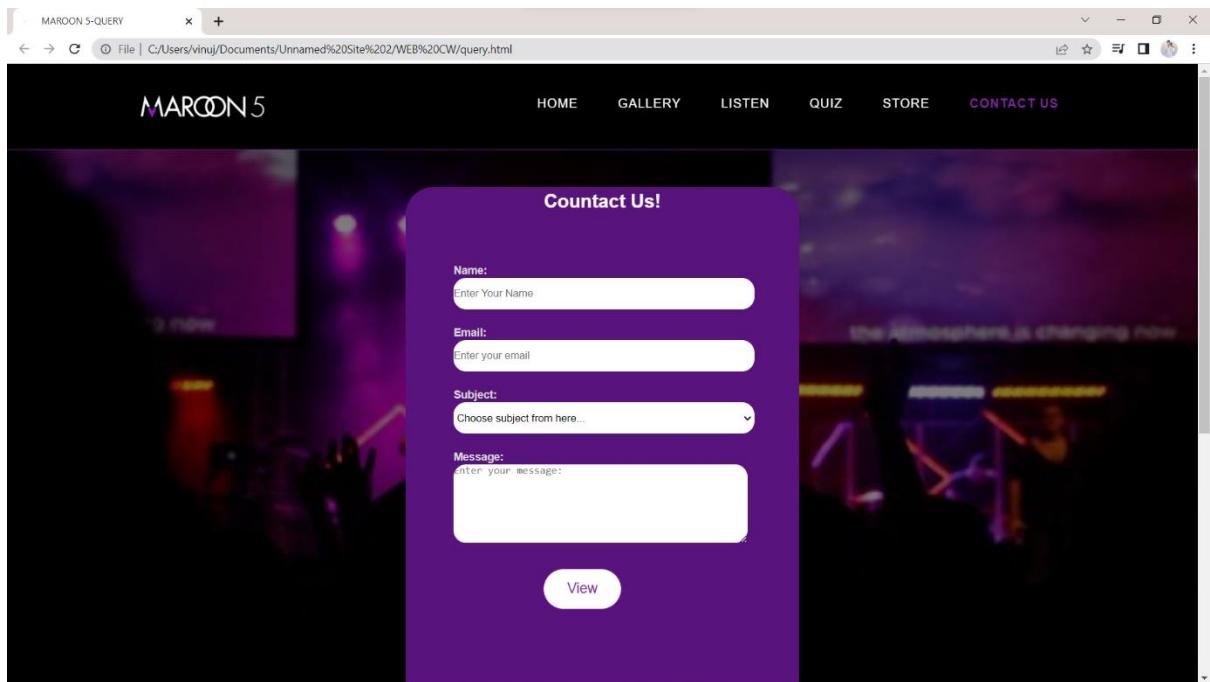
When hovered over Listen



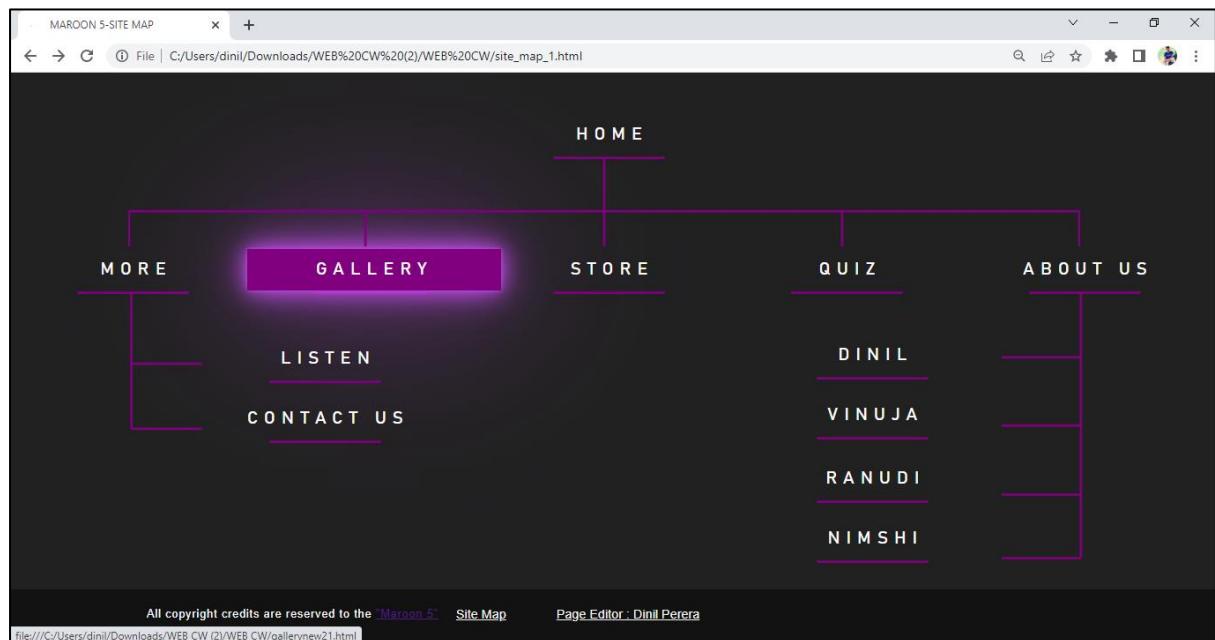
Clicking on Listen on the sitemap will bring you here



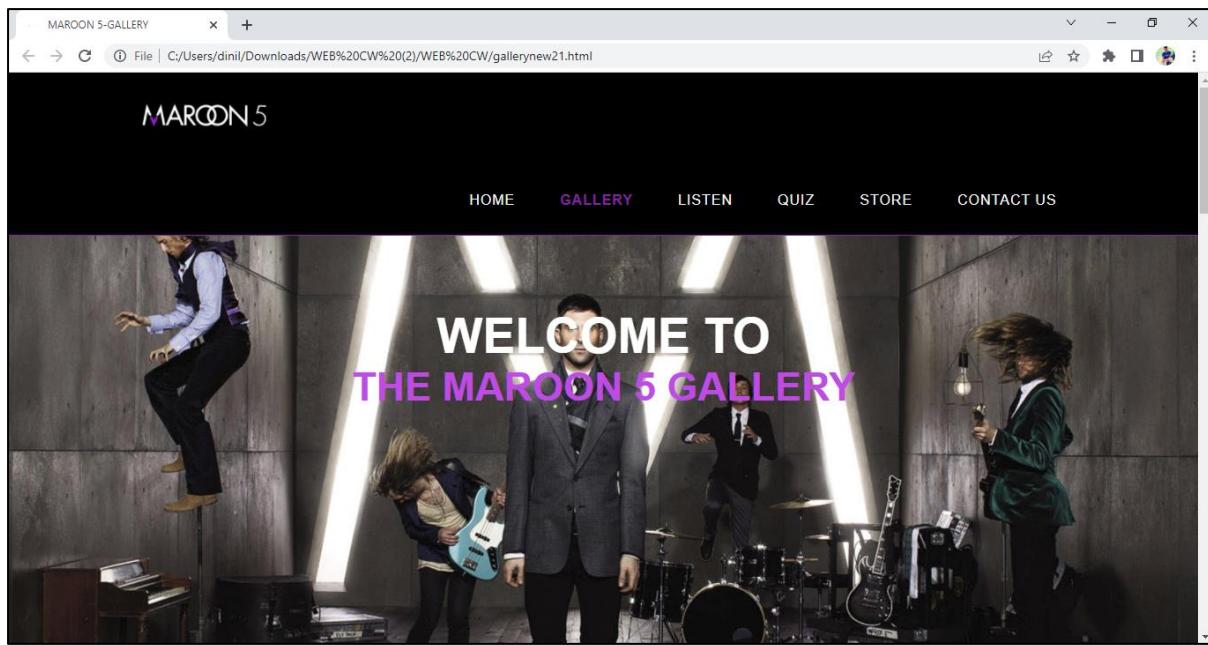
When hovered over contact us



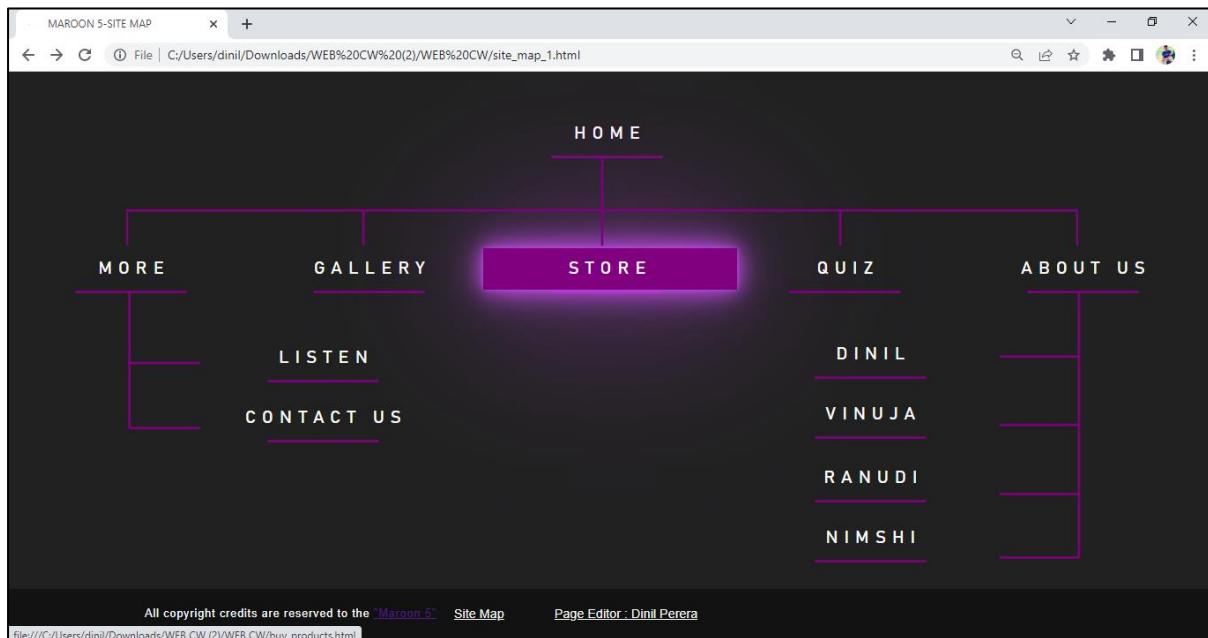
Clicking on contact us on the sitemap will bring you here



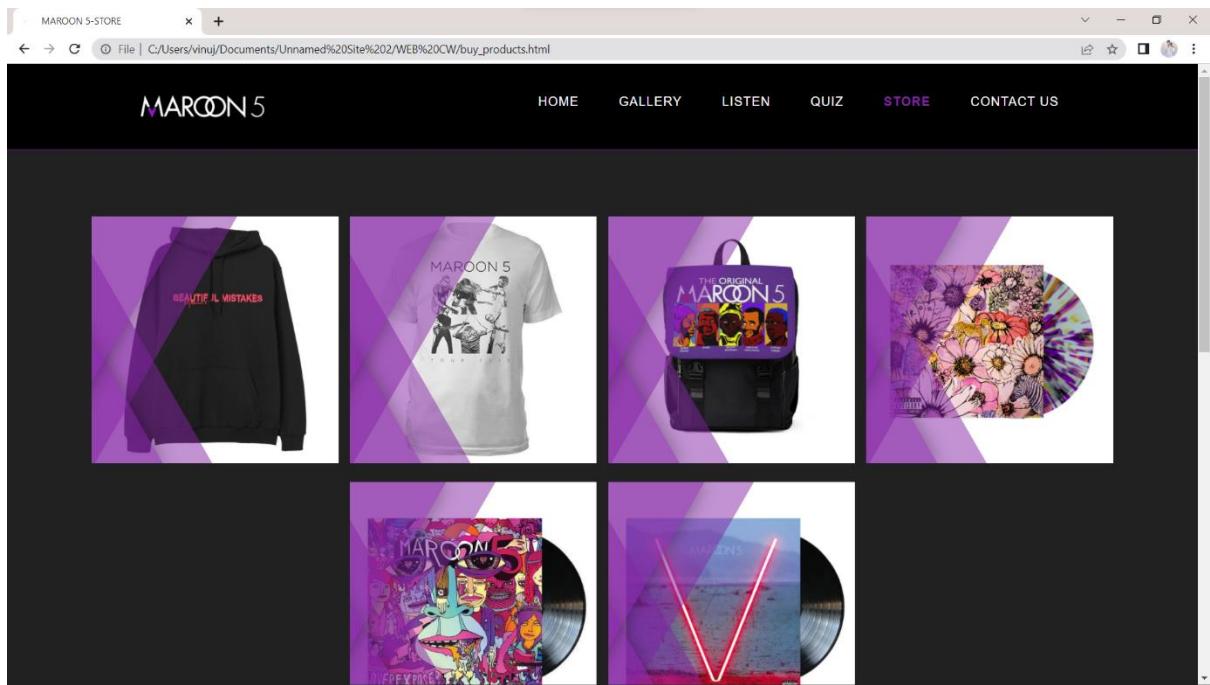
When hovered over Gallery



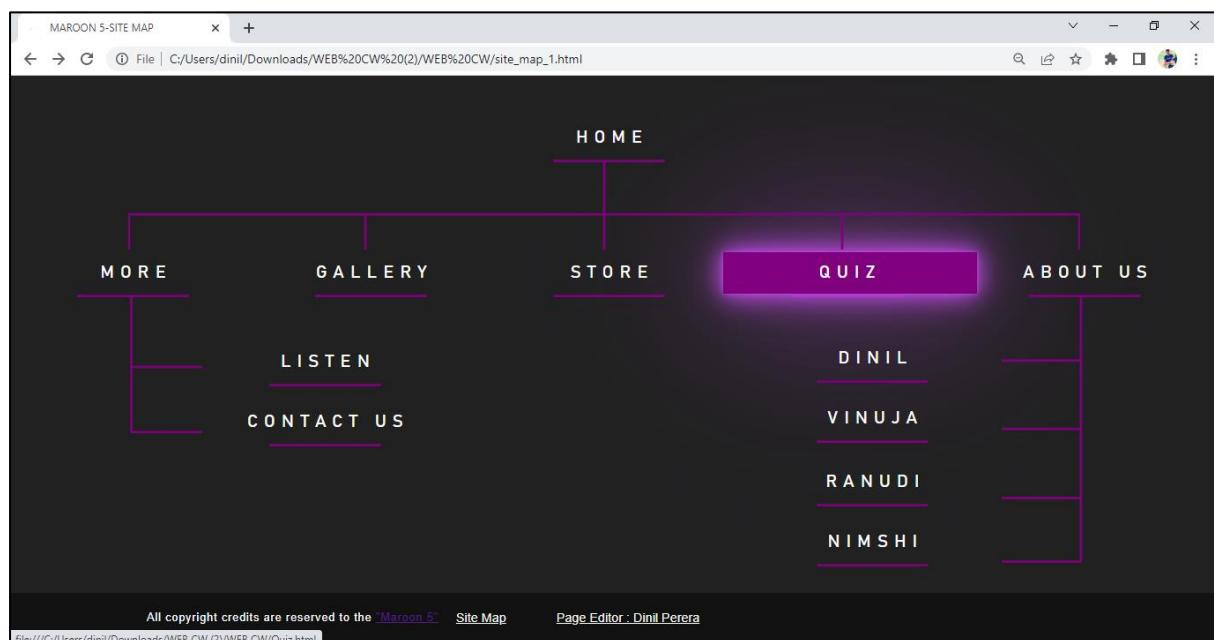
Clicking on Gallery on the sitemap will bring you here



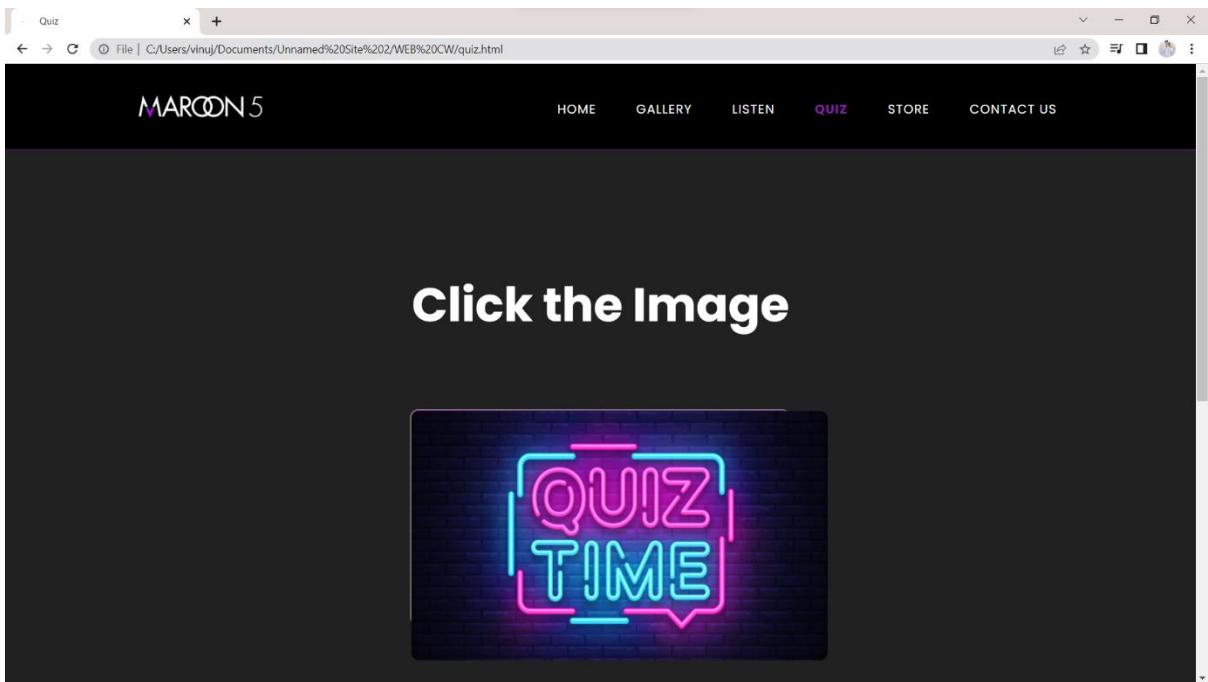
When hovered over Store



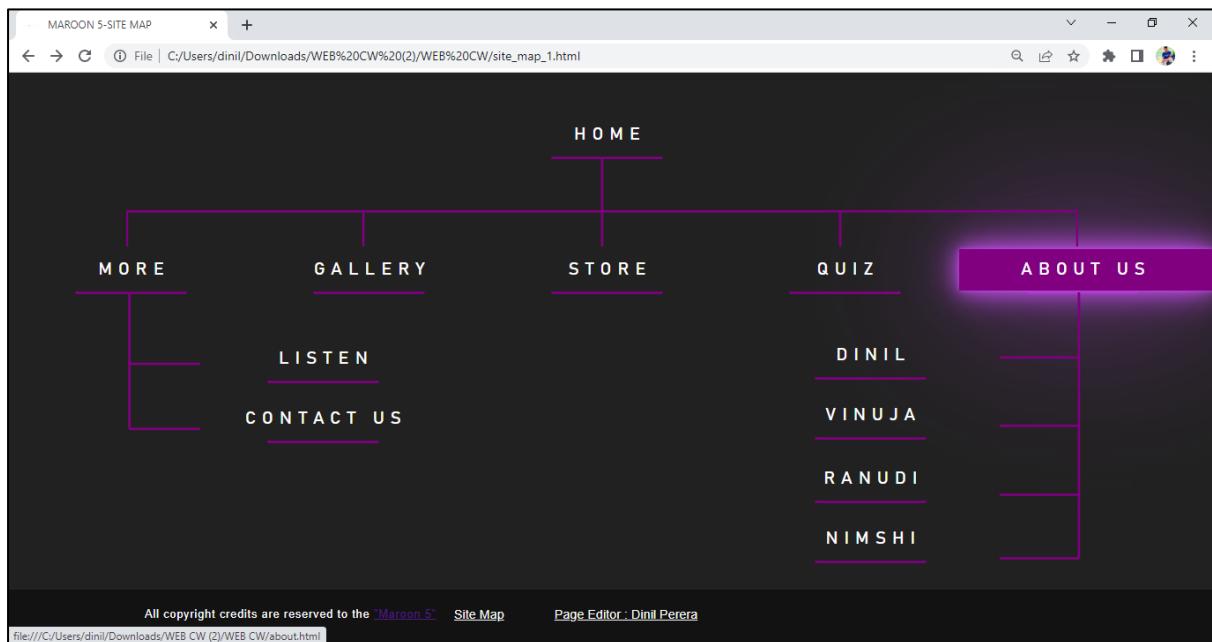
Clicking on Store on the sitemap will bring you here



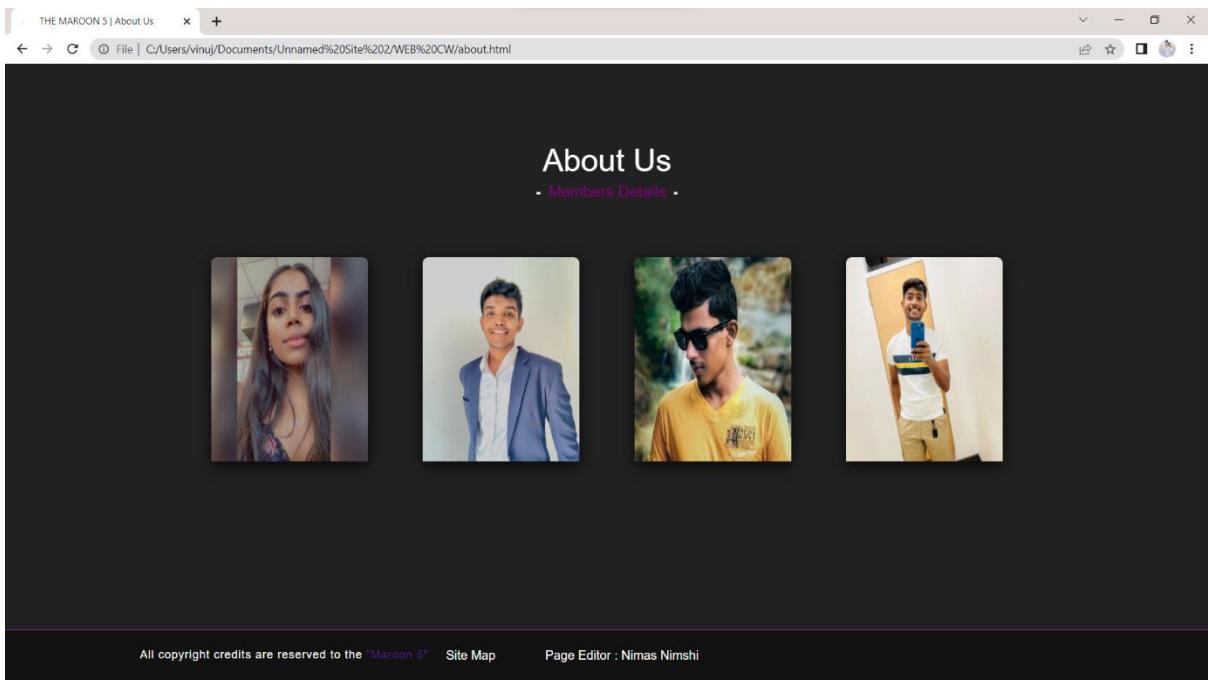
When hovered over Quiz



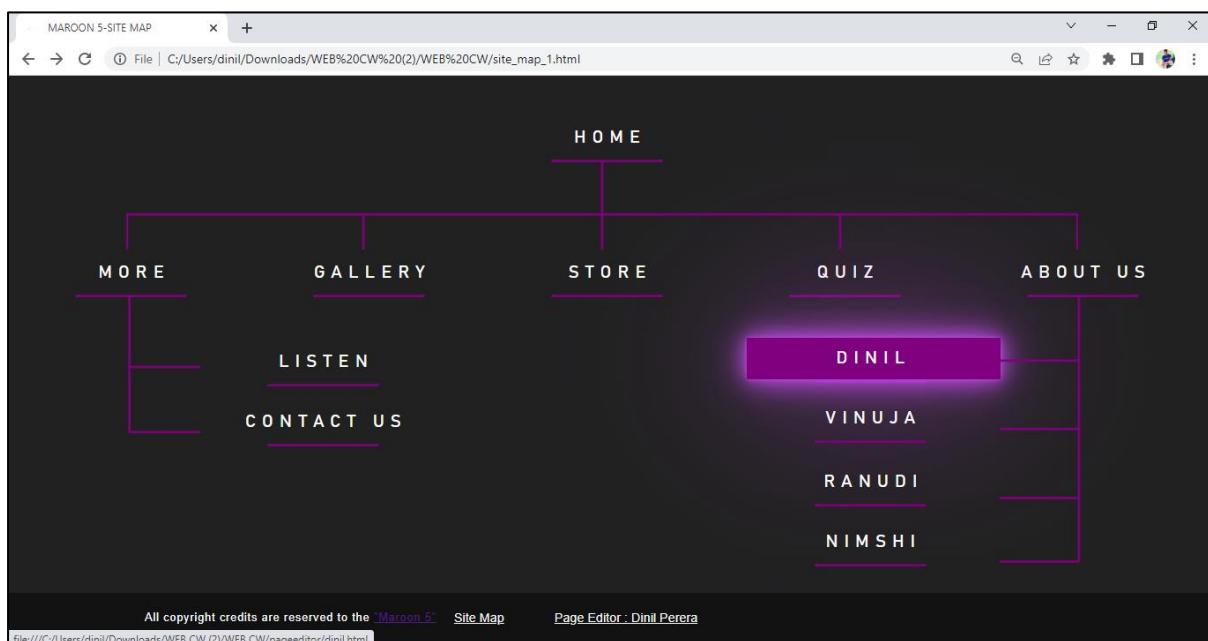
Clicking on Quiz on the sitemap will bring you here



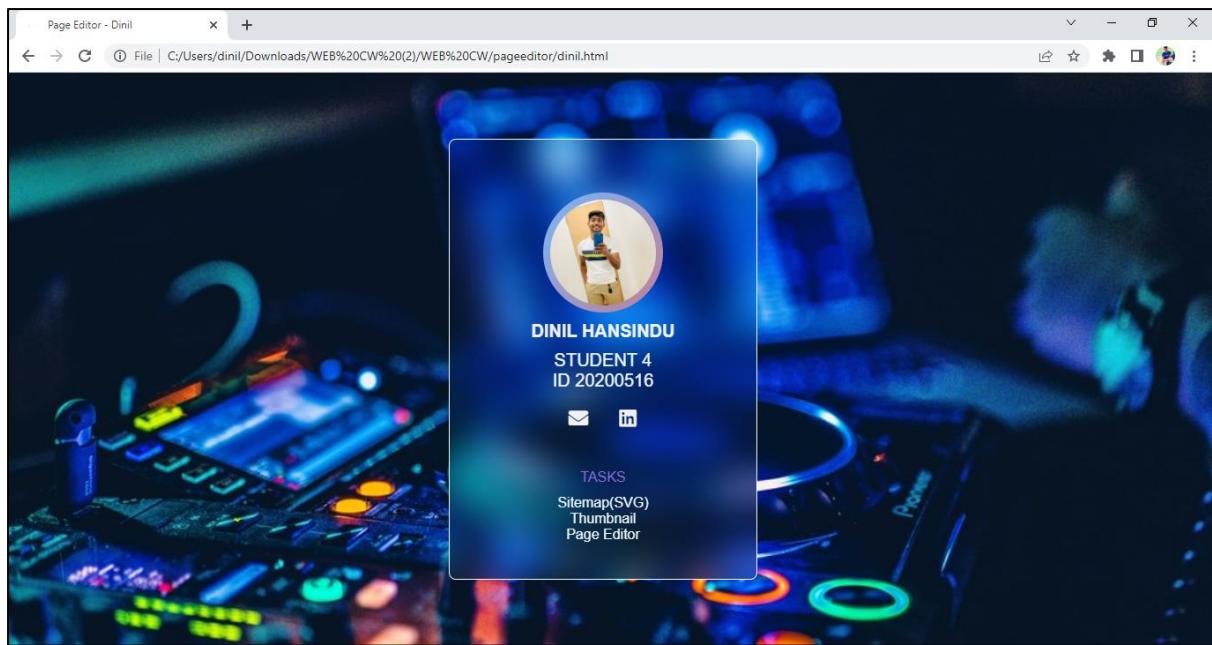
When hovered over About us



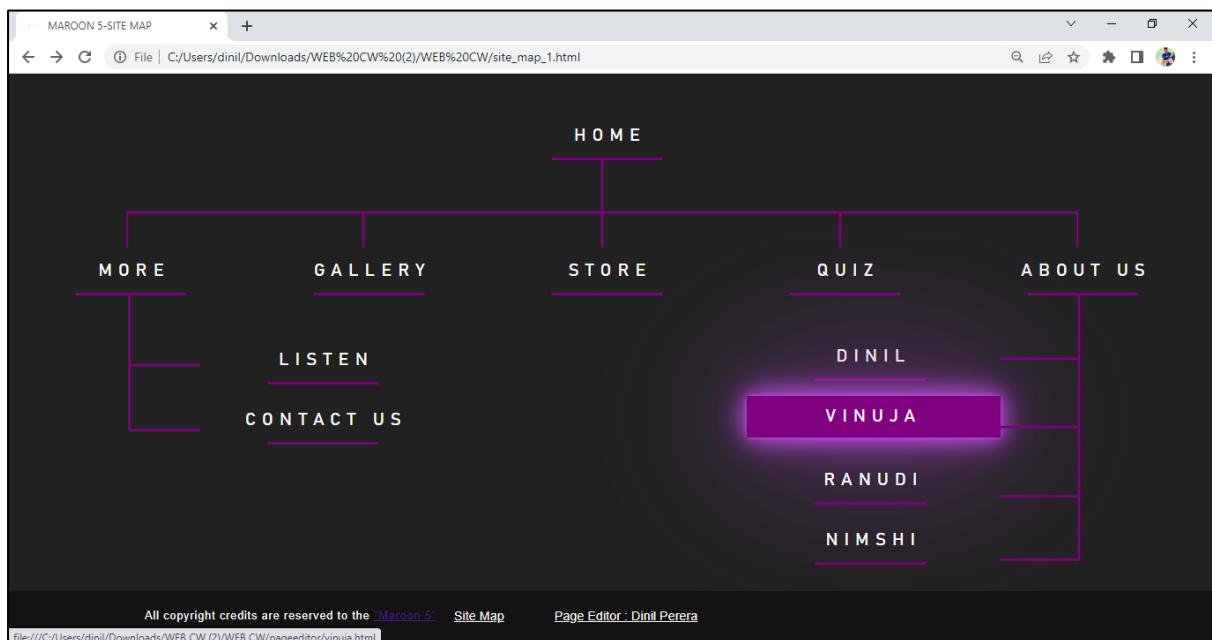
Clicking on About us on the sitemap will bring you here



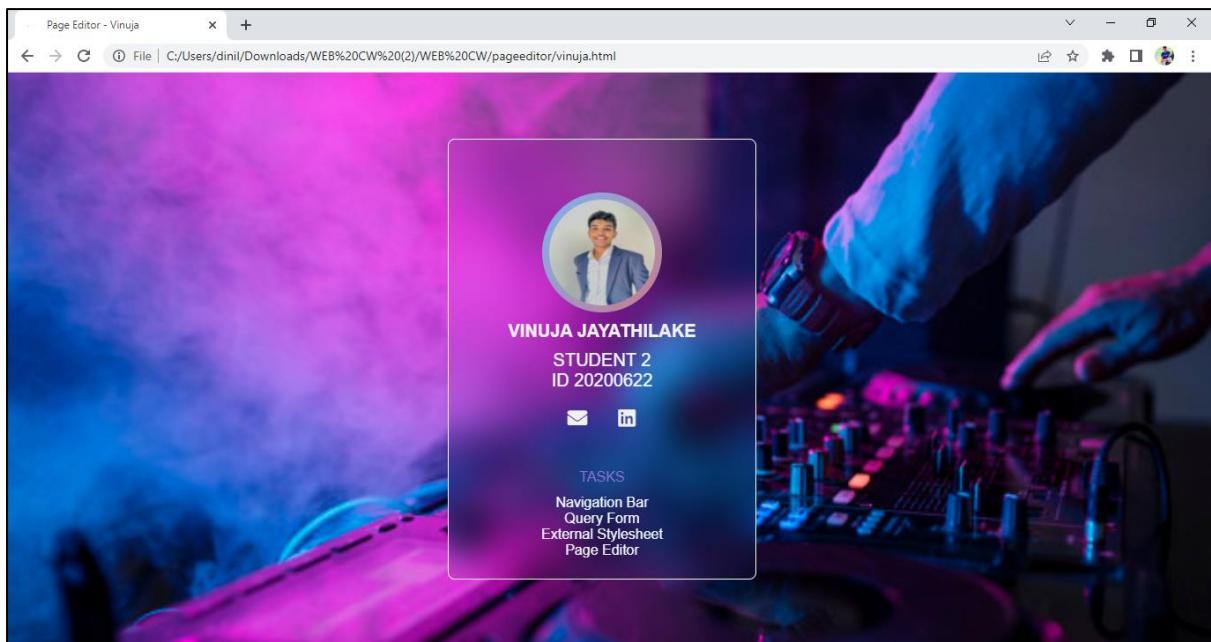
When hovered over Dinil



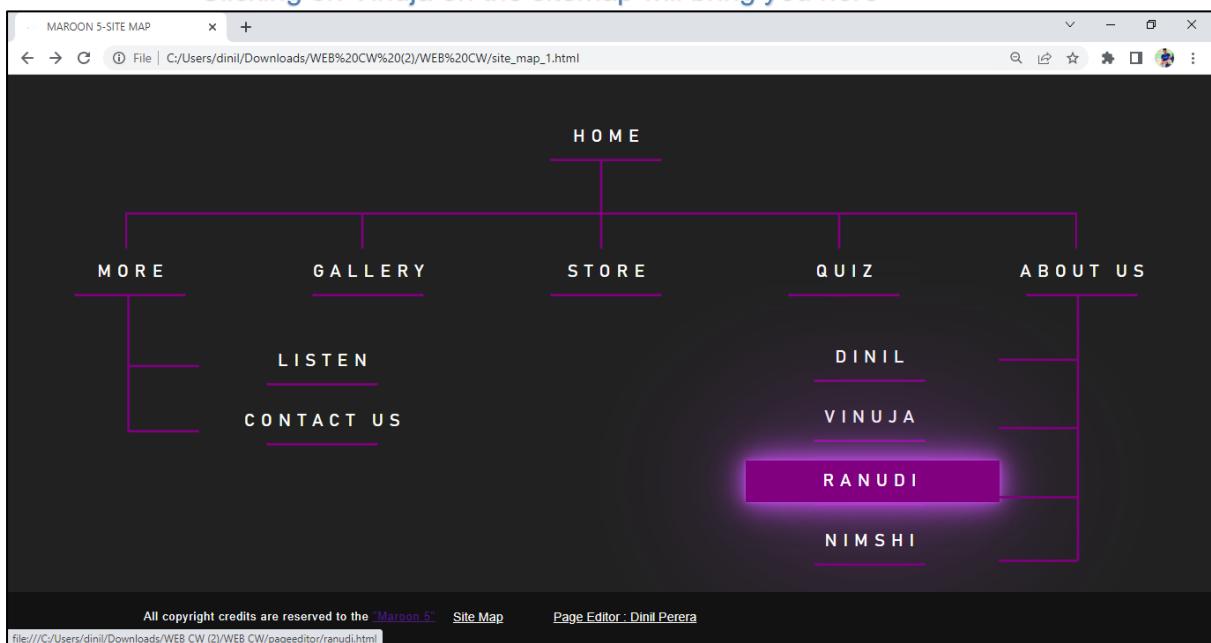
Clicking on Dinil on the sitemap will bring you here



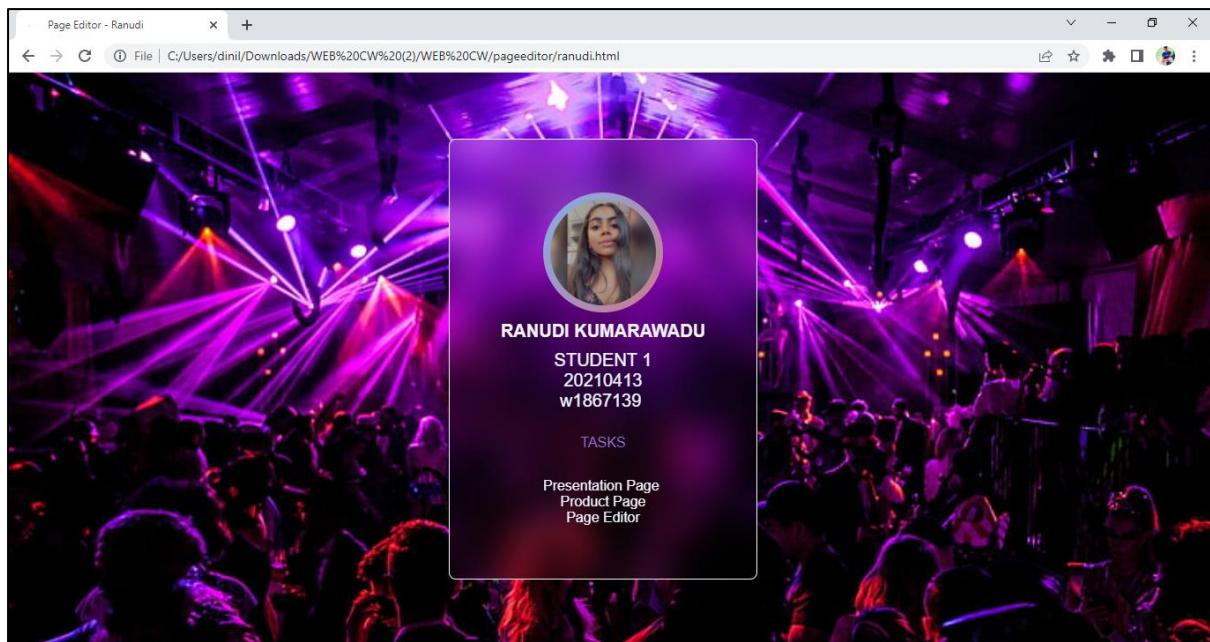
When hovered over Vinuja



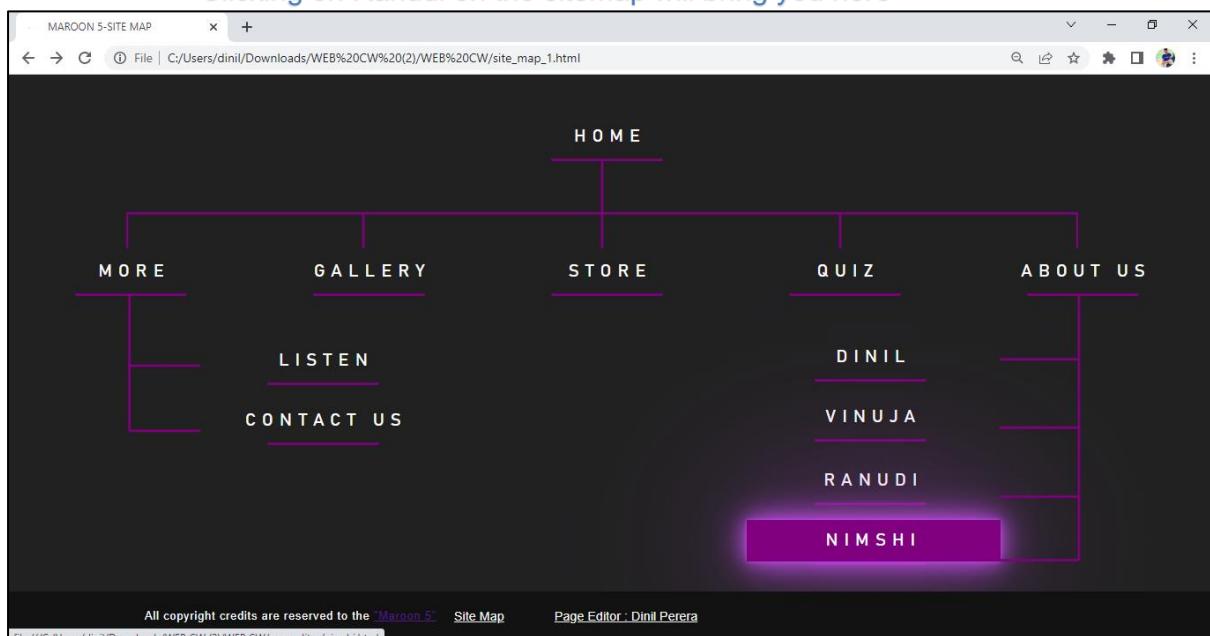
Clicking on Vinuja on the sitemap will bring you here



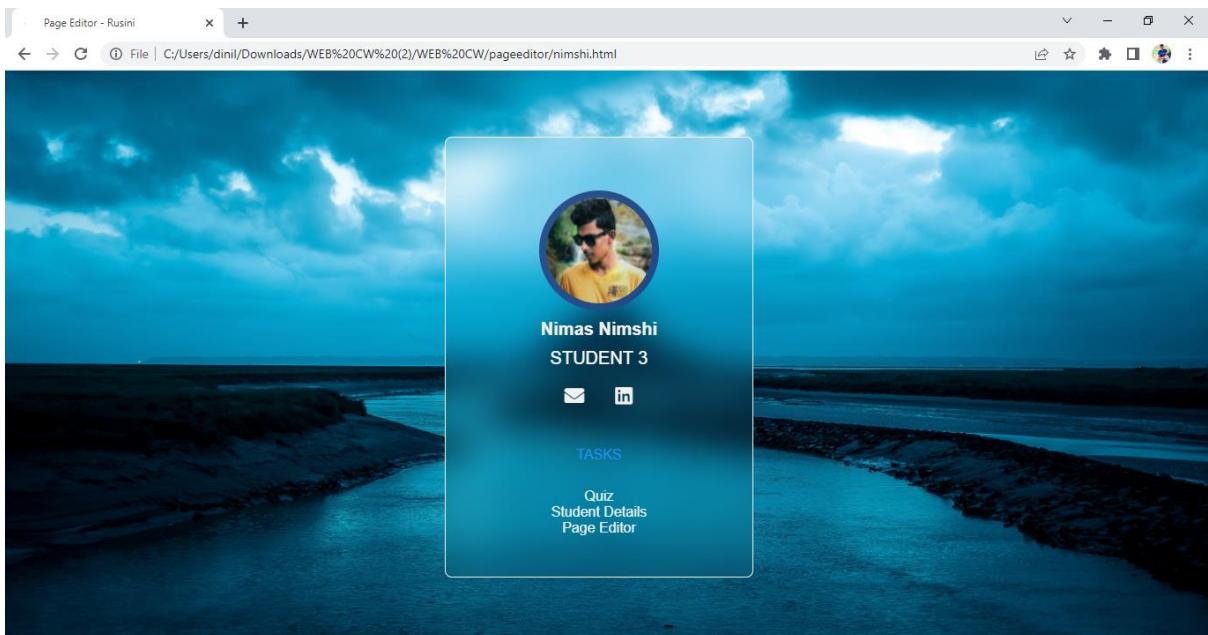
When hovered over Ranudi



Clicking on Ranudi on the sitemap will bring you here

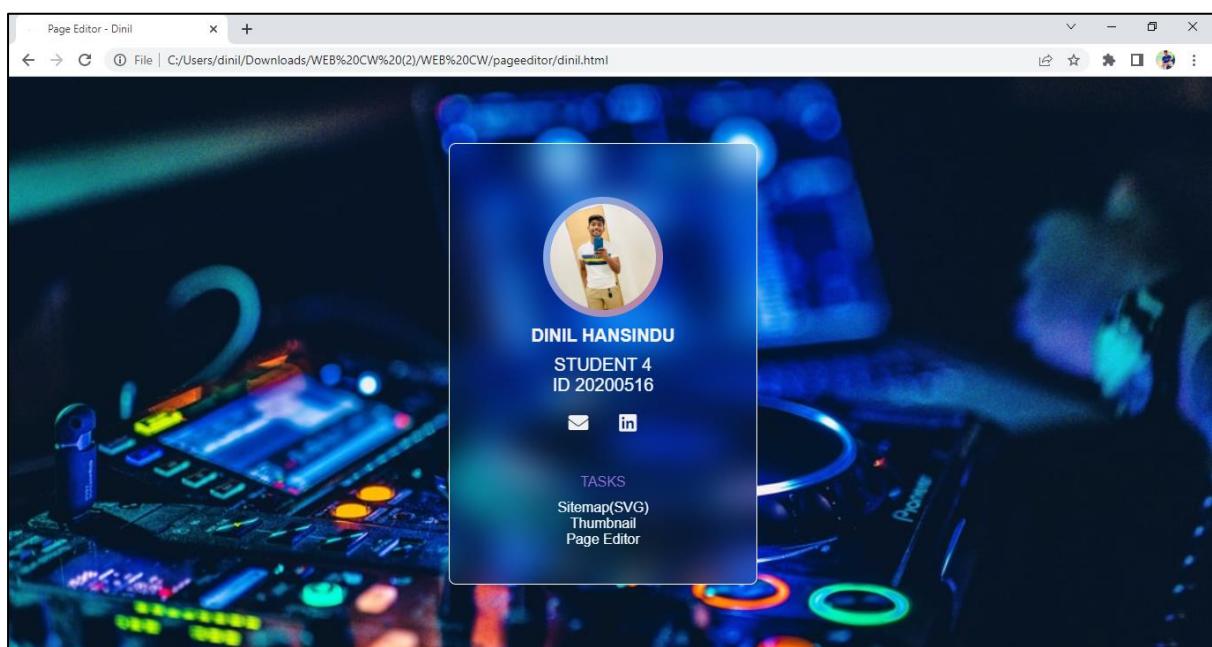


When hovered over Nimshi

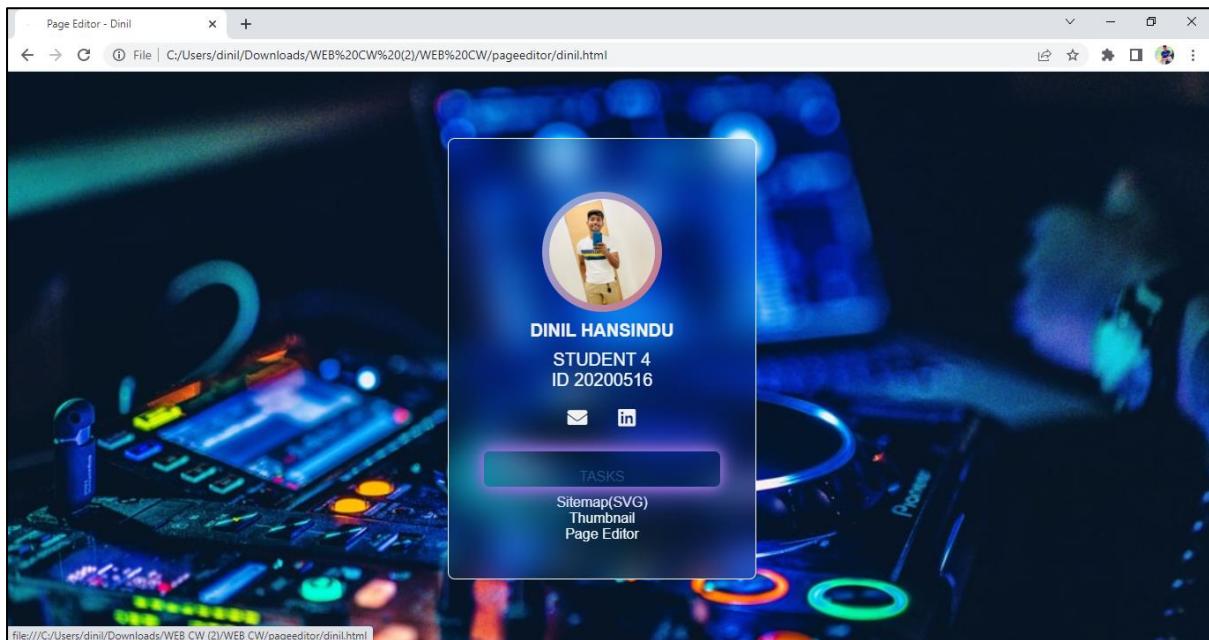


Clicking on Nimshi on the sitemap will bring you here

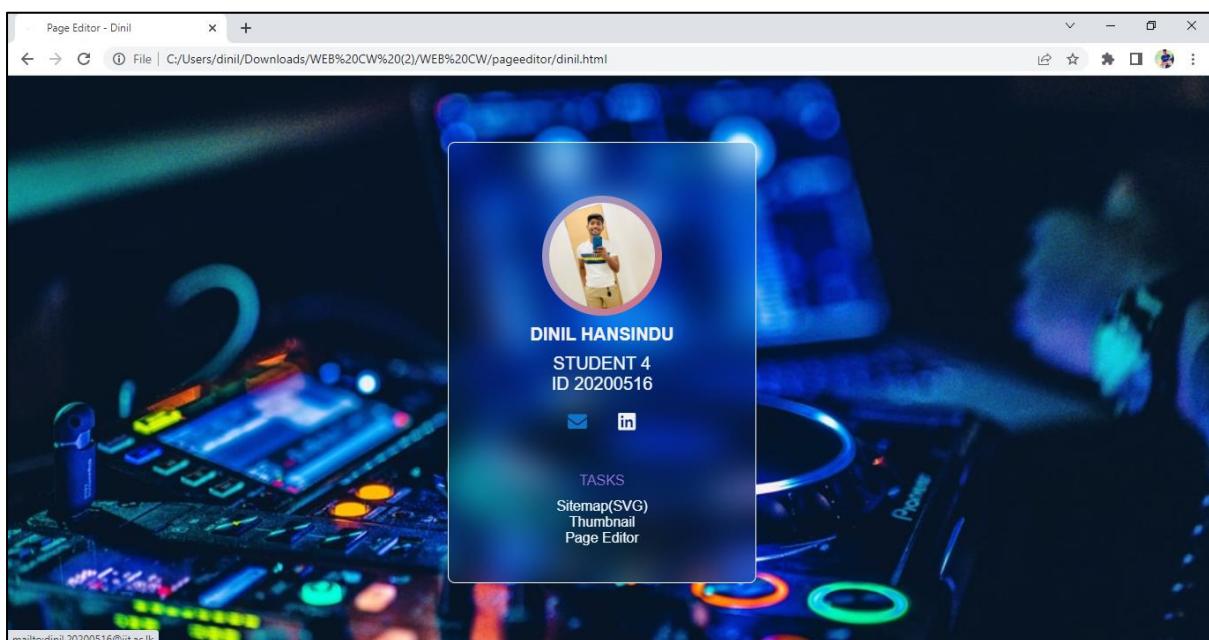
#### File Name - pageeditor/dinil.html



Page editor with a profile card of the creator



When hovered over tasks



When hovered over the social media icons

## Appendix C: Screenshots - Webpage Validation Evidence

### File Name – gallerynew21.html

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for uploaded file gallerynew21.html

Checker Input

Show  source  outline  image report  Options...

Check by   No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

- Error** The character encoding was not declared. Proceeding using windows-1252.
- Error** Bad value 100% for attribute width on element img: Expected a digit but saw % instead.  
From line 49, column 17; to line 49, column 89  
``
- Warning** Section lacks heading. Consider using h2 - h6 elements to add identifying headings to all sections, or else use a div element instead for any cases where no heading is needed.  
From line 47, column 9; to line 47, column 17  
`<section></section>`
- Error** Element img is missing required attribute src.  
From line 102, column 2; to line 102, column 52  
`; <span><img id="enlargeImage" style="width:36%" alt="im" > </span>`

Attributes for element img:

Document checking completed.

Used the HTML parser.

Global attributes

- alt — Replacement text for use when images are not available
- src — Address of the resource
- srcset — Images to use in different situations, e.g., high-resolution displays, small monitors, etc.
- sizes — Image sizes for different page layouts
- crossorigin — How the element handles crossorigin requests
- usemap — Name of image map to use
- ismap — Whether the image is a server-side image map
- width — Horizontal dimension
- height — Vertical dimension
- referrerpolicy — Referrer policy for fetches initiated by the element
- decoding — Decoding hint to use when processing this image for presentation
- loading — Used when determining loading deferral

## File Name – site\_map\_1.html

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for site\_map\_1.html

Checker Input

Show  source  outline  image report  Options...

Check by   No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Warning** Consider adding a `lang` attribute to the `html` start tag to declare the language of this document.  
From line 1, column 16; to line 2, column 6  
TYPE `html><html>`→  
For further guidance, consult [Declaring the overall language of a page](#) and [Choosing language tags](#).  
If the HTML checker has misidentified the language of this document, please [file an issue report](#) or send e-mail to report the problem.

2. **Error** The character encoding was not declared. Proceeding using windows-1252.

3. **Error** End tag `svg` did not match the name of the current open element (`rect`).  
From line 17, column 3; to line 17, column 8  
`= "320">+</svg>+<di`

4. **Warning** Section lacks heading. Consider using `h2`-`h6` elements to [add identifying headings to all sections](#), or else use a `div` element instead for any cases where no heading is needed.  
From line 137, column 1; to line 137, column 28  
`er-->+<section id="footer-bottom">+<di`

## File Name – dinil.html (pageeditor)

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for dinil.html

Checker Input

Show  source  outline  image report  Options...

Check by   No file chosen

Uploaded files with .xhtml or .xht extensions are parsed using the XML parser.

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

Message Filtering

1. **Error** The character encoding was not declared. Proceeding using windows-1252.

Document checking completed.

Used the HTML parser.  
Total execution time 7 milliseconds.

[About this checker](#) • [Report an issue](#) • Version: 22.3.25

## Appendix D: Individual Statement

Student Name:	Dinil Hansindu Perera	Student Id: IIT ID:	w1830180 20200516
State what tasks you carried out in the project.			
<ul style="list-style-type: none"> <li>• Sitemap (SVG)</li> <li>• Gallery</li> <li>• Page Editor</li> </ul>			
State what you enjoyed and did not enjoy about teamwork.			
<ul style="list-style-type: none"> <li>• It's very fun to work with others because we can not physically meet with the circumstances of the country.</li> <li>• I had a lot of experience and lot of fun working with our team. Everyone was able to help each other and finally create our website successfully.</li> </ul>			
State what you learnt about teamwork.			
<ul style="list-style-type: none"> <li>• Through extensive teamwork, we learned that we can work successfully by respecting each other's ideas, assisting each other, and completing the task assigned to them in a timely manner.</li> </ul>			
State what skills you gained/learnt from undertaking the project.			
<ul style="list-style-type: none"> <li>• Creativity</li> <li>• Develop the web development skills.</li> <li>• Experienced in group activities brought to life.</li> </ul>			
State any strengths about yourself that emerged whilst undertaking the project.			
<ul style="list-style-type: none"> <li>• Working with a schedule and planning.</li> <li>• Stay tuned until the work is done.</li> <li>• Dedication</li> <li>• Creative thinking</li> </ul>			
State any weaknesses about yourself that emerged whilst undertaking the project.			
<ul style="list-style-type: none"> <li>• Not knowing the different styles in CSS</li> </ul>			
State how you would do things better if you were to undertake the project again.			
<ul style="list-style-type: none"> <li>• I would learn much more about CSS styles in order to make the web page much more interactive and responsive. Additionally, wasted time on trial-and-error methods would be reduced.</li> </ul>			

Student Name:	Dinil Hansindu Perera	Student Id:	w1830180
IIT ID:	20200516		
Additional general or project specific comments:			
<ul style="list-style-type: none"><li>• This project is very good. We were able to get a good example of how we work with teams and the team projects we face in future.</li></ul>			