

1. HTML Structure:

Please find the 'Task1.html' and Task1.css file in the uploaded zip file, which demonstrates the implementation below.

- Create a webpage using semantic HTML elements such as <header>, <nav>, <main>, <section>, <article>, <footer>, etc.
- Ensure that each section of the page is clearly defined and uses appropriate HTML tags to represent the content.

```
Task1.html X
Module 4 > Module 4_Week 4_Required Assignment_Patil > Task1.html > ...
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <title>Foodies! Order your food!</title>
5 <meta charset="UTF-8">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <meta name="description" content="This is a website for the foodies to order a variety of delicious food.">
8 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
9   rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao8Yz1ztCQTWFSpd3yD65VohhpuuC0mLASjC" crossorigin="anonymous">
10 <link href="css/Task1.css" rel="stylesheet"/>
11 </head>
12 <body>
13 <header>
14 <h1>Your favorite food, just a click away</h1>
15 </header>
16
17 <main>
18 <nav class="navbar navbar-expand-lg navbar-light" style="background-color: #e3f2fd;">
43 </nav>
44
45 <div class="container-fluid" style="display: flex; align-items: stretch;">
199 </div>
200
201 </main>
202
203 <footer>
204 &copy; 2025 All rights reserved.
205 </footer>
206
207 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
208   integrity="sha384-Mrcw6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxvXM" crossorigin="anonymous">
209 </script>
210 </body>
211 </html>
```

```
<section id="sectionHome">
  
  <h2> We are one of the Best!</h2>
  <p>
    We are specialized in providing the traditional authenticated food. We use traditional Indial Masalas for cooking.
    <br/>It contains,
    <ul>
      <li>Musturd Seeds </li>
      <li>Cumin Seeds </li>
      <li>Garlic Powder </li>
      <li>Ginger Powder </li>
      <li>Fenugreek </li>
      <li>Cinnamon </li>
      <li>Pepper </li>
      <li>Coriander </li>
      <li>Star anise </li>
      <li>Red chillies </li>
      <li>Cloves </li>
    </ul>
    and many more.....
  </p>
</section>
```

```

<article class="bottomarticle">
  <h3>The problem of food waste</h3>
  <span>Take only what you need. Let's respect every grain – don't waste food. Every meal counts. </span>
</article>

```

b) Add a navigation bar with links to different sections of the page.

```

<nav class="navbar navbar-expand-lg navbar-light" style="background-color: #e3f2fd;">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">
      
    </a>

    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav"
      aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarNav" >
      <ul class="navbar-nav me-auto mb-2 mb-lg-0" style="font-size: 20px; font-weight: bold;">
        <li class="nav-item">
          <a class="nav-link" href="#sectionHome">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#sectionReviews">Reviews</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#sectionContactUs">Contact Us</a>
        </li>
      </ul>
    </div>
  </div>
</nav>

```

d) Provide a meaningful title and meta description for SEO.

```

<head>
  <title>Foodies! Order your food!</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="description" content="This is a website for the foodies to order a variety of delicious food.">
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
    rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztCQTWFSpd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
  <link href="css/Task1.css" rel="stylesheet"/>
</head>

```

[food](#) [Home](#) [Reviews](#) [Contact Us](#)

Hi!



We are specialized in providing the traditional authenticated food. We use traditional India Masalas for cooking. It contains,

- Musturd Seeds
- Cumin Seeds
- Garlic Powder
- Ginger Powder
- Fenugreek
- Cinnamon
- Pepper
- Coriander
- Star anise
- Red chillies
- Cloves

and many more.....

Your favorite food, just a click away

and many more.....

Mrs. AAA

Very delicious food indeed! I would like to go there again.

Mr. WQR

I will suggest this place to all my friends and relatives.

Mr. ABC

So good! Loved the Paneer Masala taste.

Mr. Sam

Amazing food! Very delicious and still not expensive.

Mr.ABC

So good! Loved the Paneer Masala taste. One should try.

Mrs. BBB

Best vegan pizza I have ever had!
You should try this place.

Mrs. AAA

Very delicious food indeed! I would like to go there again.

Mr. Alex

I will suggest this place to all my friends and relatives.

Mr. XYZ

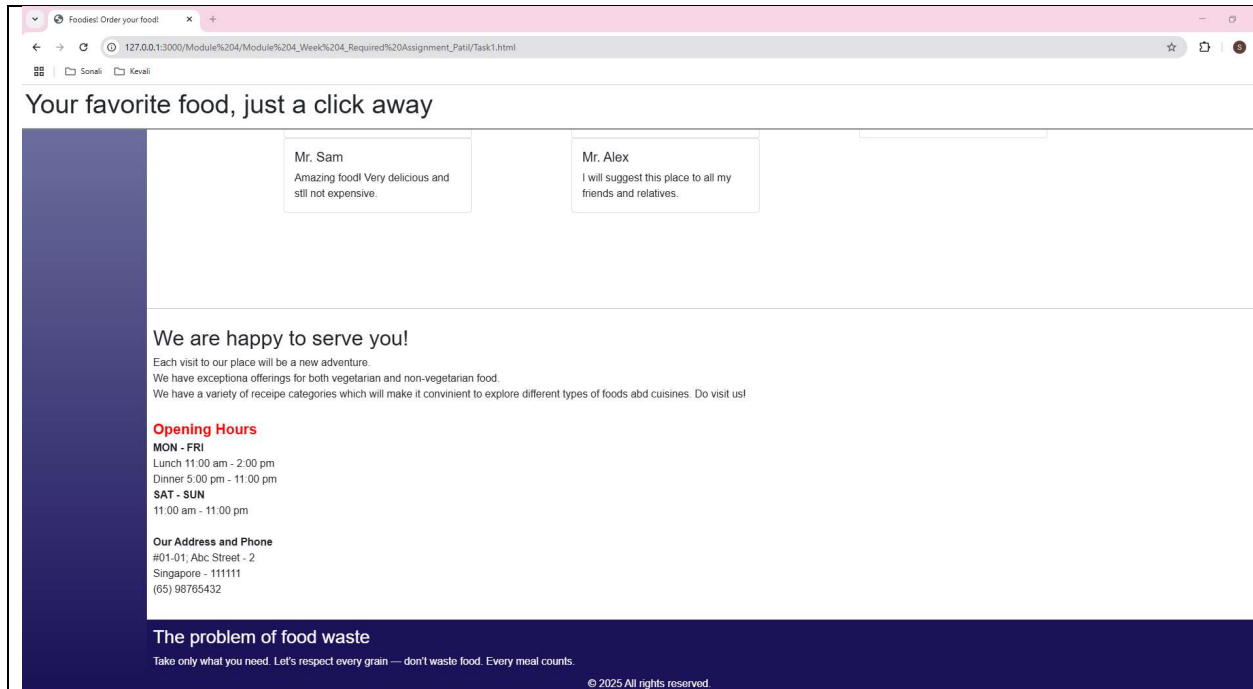
Amazing food! Very delicious and still not expensive.

Mrs. SSS

Super fresh food! Must visit again.

Mr. Rai

So good! Loved the Paneer Masala taste. One should try.



2. CSS Layout:

Please find the 'Task2.html' and Task2.css file in the uploaded zip file, which demonstrates the implementation below.

a) Use Flexbox or CSS Grid to create a layout for the webpage.

```
<div class="gridContainer">
  <div class="box one">
    <div class="row1">
      
    </div>
    <div class="row1">
      
    </div>
    <div class="row1">
      
    </div>
    <div class="row1">
      
    </div>
    <div class="row1">
      
    </div>
    <div class="row1">
      
    </div>
  </div>
</div>
<div class="box two">
  <div class="flexbox">
    <div class="row2">
      
    </div>
    <div class="row2">
      
    </div>
  </div>
</div>
</div>
```

```
<div class="box three">
  <div class="flexbox">
    <div class="row2">
      
    </div>
    <div class="row2">
      
    </div>
  </div>
</div>
<div class="box">
  <div class="flexbox">
    <div class="row3">
      
    </div>
  </div>
</div>
<div class="box">
  <div class="flexbox">
    <div class="row3">
      
    </div>
  </div>
</div>
<div class="box">
  <div class="flexbox">
    <div class="row3">
      
    </div>
  </div>
</div>
```

```
<div class="box">
  <div class="flexbox">
    <div class="row3">
      
    </div>
  </div>
</div>
</div>
```

- b) Organize content into at least three sections (e.g., header, content area, and footer) using appropriate containers.

```
Task2.html X
Module 4 > Module 4_Week 4_Required Assignment_Patil > Task2.html > html > body > main
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <title>Our Menu</title>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <meta name="description" content="Find the glimpse of our delicious food here!">
8      <link href="css/Task2.css" rel="stylesheet"/>
9  </head>
10 <body>
11     <header>
12         <h1>Your favourite food glimpses are here!</h1>
13     </header>
14     <main>
15         <br/>
16         <div class="gridContainer">
17             <div class="box one">...
18         </div>
19         <div class="box two">...
20     </div>
21     <div class="box three">...
22     </div>
23     <div class="box">...
24     </div>
25     <div class="box">...
26     </div>
27     <div class="box">...
28     </div>
29     <div class="box">...
30     </div>
31 </div>
32     <br/>
33 </main>
34 <footer>
35     &copy; 2025 All rights reserved.
36 </footer>
37 </body>
38 </html>
```

- c) Apply styling to the containers using Flexbox or Grid properties to create a visually distinct layout.


```

1  ✓ html{
2      box-sizing: border-box;
3  }
4
5  ✓ *, *:before, *:after {
6      box-sizing: inherit;
7  }
8
9  ✓ body{
10     font-family: 'Poppins', sans-s
11 }
12
13 ✓ header{
14     padding: 5px;
15     border-bottom: 2px solid #444;
16 }
17
18 ✓ .gridContainer{
19     display: grid;
20     grid-gap: 10px;
21     grid-template-columns: repeat(
22     grid-template-rows: auto;
23     justify-content: center;
24 }
25 }
26
27 ✓ .box{
28     border-radius: 5px;
29     padding: 20px;
30     background-color: #444;
31     color: #fff;
32 }
33
34 ✓ .one{
35     grid-column: 1 / 5;
36 }
37
38 ✓ .two{
39     grid-column: 1 / 3;
40     grid-row: 2 / 3;
41 }
42

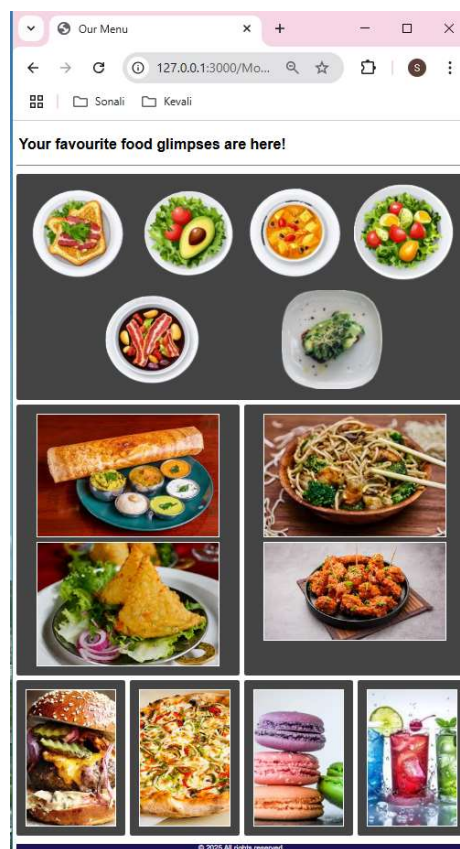
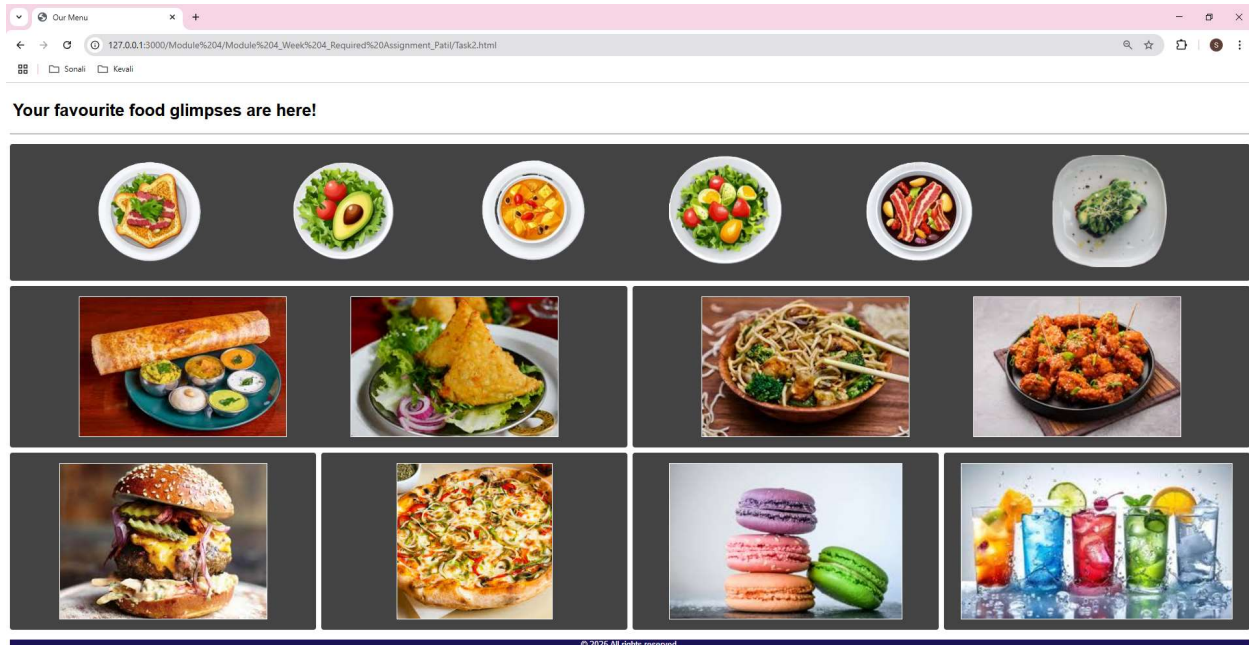
```

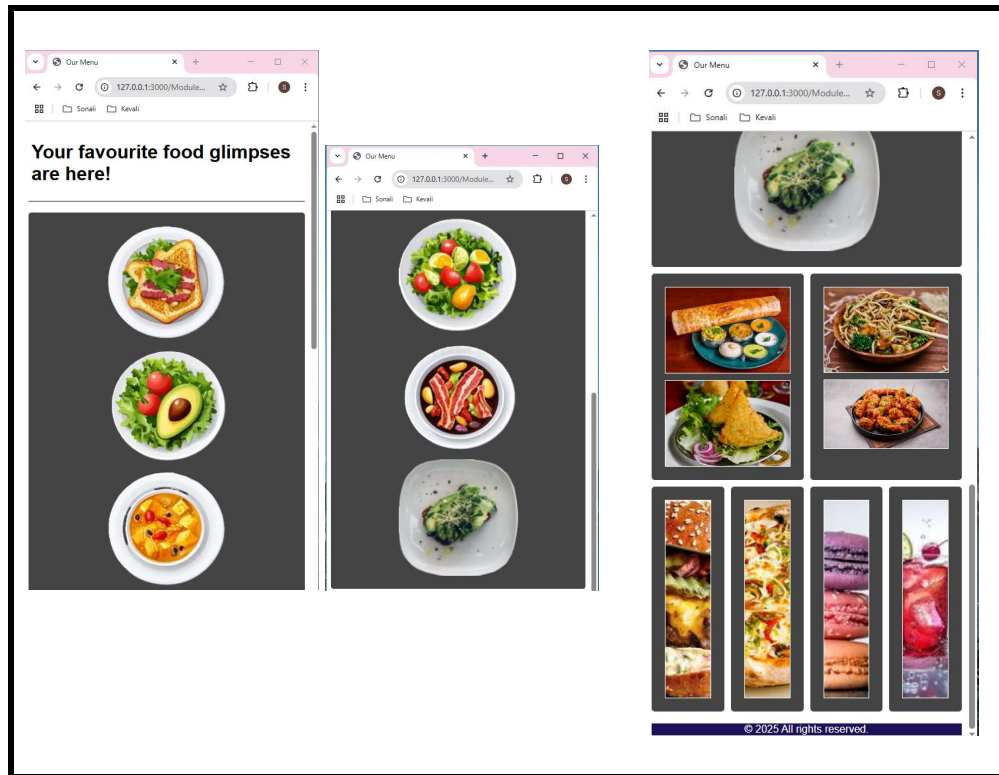
```

43 .three{
44     grid-column: 3 / 5;
45 }
46
47 .flexbox{
48     min-height: 200px;
49     display: flex;
50     flex-direction: row;
51     gap: 10px;
52     justify-content: space-around;
53     flex-wrap: wrap;
54 }
55
56 .flexbox .row1{
57     width: 220px;
58     max-width: 220px;
59     overflow: hidden;
60     align-self: center;
61 }
62
63 .flexbox .row2{
64     width: 400px;
65     max-width: 400px;
66     overflow: hidden;
67     border: solid 1px #fff;
68 }
69
70 .flexbox .row3{
71     height: 300px;
72     max-height: 300px;
73     overflow: hidden;
74     border: solid 1px #fff;
75 }
76
77 .flexbox img{
78     width: 100%;
79     height: 100%;
80     object-fit: cover;
81 }
82
83 footer{
84     text-align: center;
85     background-color: #281859;
86     color: white;
87 }

```

- d) Ensure that the layout is well-structured and easy to navigate.
Please find below screenshots in different screen sizes.





3. Responsive Design:

- Implement mobile-first design by writing base styles for mobile devices.
- Use media queries to adjust the layout for larger screens (e.g., tablet and desktop).
- Make sure the page remains visually appealing and functional on different screen sizes (e.g., mobile, tablet, and desktop).
- Adjust font sizes, layout, and spacing for readability on smaller devices.

Please find the 'Task3.html' and Task3.css file in the uploaded zip file, which demonstrates the implementation below.

```
Task3.html X
Module 4 > Module 4_Week 4_Required Assignment_Pati > Task3.html > ...
1  {DOCTYPE html}
2  <html lang="en">
3  <head>
4      <title>My Country</title>
5      <meta charset="UTF-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
7      <meta name="description" content="Welcome to my country!">
8      <link href="css/Task3.css" rel="stylesheet"/>
9  </head>
10 <body>
11 <header>
12 <h1>Singapore - A Garden City</h1>
13 <p> Welcome to Singapore! A vibrant island city-state in Southeast Asia! </p>
14 </header>
15 <main>
16 <br/>
17 <section>
18 <h2>About Us</h2>
19 <p>
20 Singapore, before its modern name, was once known as Temasek.
21 The name Temasek appears in historical records, particularly those of Chinese traders who referred to the settlement as Danmaxi (or Temasik/Temasek).
22 The Malay Annals (Sejarah Melayu) also mention Temasek, alongside the name Singapura.
23 It is believed that the name Singapura was adopted later, possibly around the end of the 14th century.
24 </p>
25 </section>
26
27 <div class="attractionsGrid">
28 <div class="attractionItem">
29 <div class="attractionItemHeader">Sentosa </div>
30 <div class="attractionItemDesc">Sentosa is an island resort off Singapore's southern coast, connected to the city by road, cable car, pedestrian boardwalk
31 and monorail. By Sentosa Station, Tiger Sky Tower has panoramic views that can stretch as far as Indonesia. On the south coast, Palawan Beach is lined
32 with food stalls and bars, and has a suspension bridge to a small offshore island. Palm-lined, crescent-shaped Tanjong Beach is more tranquil.
33 <br/>You can visit <a href="https://www.sentosa.com.sg/" target="_blank">Sentosa</a> to get more information.
34 </div>
35 </div>
36 <div class="attractionItem">
37 <div class="attractionItemHeader">Gardens by the Bay </div>
38 <div class="attractionItemDesc">The Gardens by the Bay is an urban park spanning 105 hectares in the Central Region of Singapore, adjacent to the Marina Rese
39 <br/>You can visit <a href="https://www.gardensbythebay.com.sg/" target="_blank">Gardens by the Bay</a> to get more information.
40 </div>
41 </div>
42 <div class="attractionItem">
43 <div class="attractionItemHeader">Marina Bay Sands </div>
44 <div class="attractionItemDesc">Rising above the Singapore skyline, Marina Bay Sands is a landmark destination in the heart of the vibrant city district.
45 Discover a world of endless possibility, where luxury unfolds at every turn. As Singapore marks 60 years of independence, we are proud to unveil a
46 journey with Singapore, shaped by imagination, resilience, transformation, and unshakable optimism.
47 <br/>You can visit <a href="https://www.marinabaysands.com/" target="_blank">Marina Bay Sands</a> to get more information.
48 </div>
49 </div>
50 </div>
51 <br/>
52 </main>
53 <footer>
54 &copy; 2025 All rights reserved.
55 </footer>
56 </body>
57 </html>
```

```

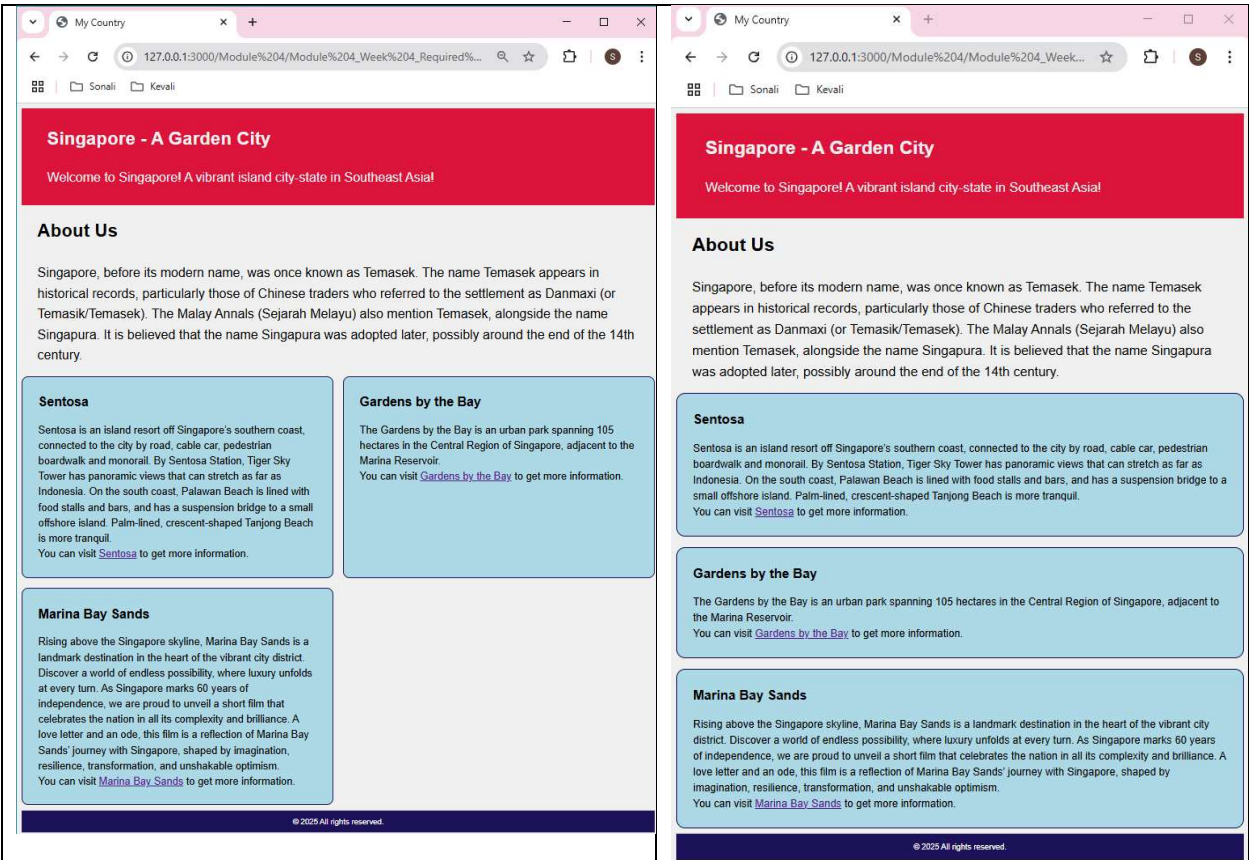
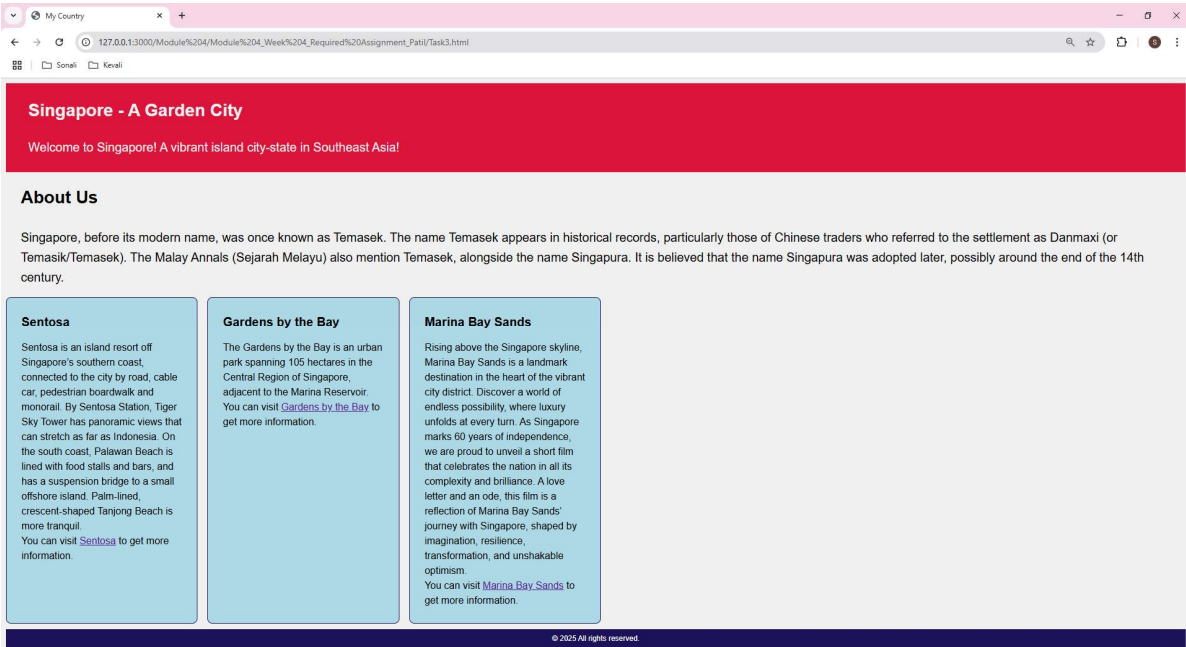
42 <div class="attractionItem">
43 <div class="attractionItemHeader">Marina Bay Sands </div>
44 <div class="attractionItemDesc">Rising above the Singapore skyline, Marina Bay Sands is a landmark destination in the heart of the vibrant city district.
45 Discover a world of endless possibility, where luxury unfolds at every turn. As Singapore marks 60 years of independence, we are proud to unveil a
46 short film that celebrates the nation in all its complexity and brilliance. A love letter and an ode, this film is a reflection of Marina Bay Sands'
47 journey with Singapore, shaped by imagination, resilience, transformation, and unshakable optimism.
48 <br/>You can visit <a href="https://www.marinabaysands.com/" target="_blank">Marina Bay Sands</a> to get more information.
49 </div>
50 </div>
51 </div>
52 <br/>
53 </main>
54 <footer>
55 &copy; 2025 All rights reserved.
56 </footer>
57 </body>
58 </html>
```

```
1  * {
2    box-sizing: border-box;
3    margin: 0;
4    padding: 0;
5  }
6  html {
7    font-size: 62.5%;
8  }
9  body {
10   font-family: 'Poppins', sans-serif;
11   background-color: #f0f0f0;
12   padding: 1rem;
13 }
14
15
16 header {
17   padding: 15px;
18   background-color: #c00000;
19   color: #f0f0f0;
20 }
21
22 h1 {
23   padding: 2rem 3rem;
24   font-size: 3.5rem;
25 }
26
27 p {
28   padding: 2rem 3rem;
29   font-size: 3rem;
30   font-size: 2.5rem;
31 }
32
33 section p {
34   line-height: 1.6;
35 }
36
```

```
37 .attractionsGrid {
38   grid-template-columns: 1fr 1fr 1fr;
39   gap: 2rem;
40   max-width: 1200px;
41 }
42
43
44 .attractionItem {
45   border: 1px solid #000080;
46   border-radius: 10px;
47   padding: 2rem;
48   background-color: #e0f0ff;
49   line-height: 1.5;
50 }
51
52 .attractionItemHeader {
53   font-size: 2.5rem;
54   font-weight: bold;
55   padding: 1rem;
56 }
57
58 .attractionItemDesc {
59   font-size: 2rem;
60   padding: 1rem;
61 }
62
63 footer {
64   padding: 10px;
65   text-align: center;
66   background-color: #000080;
67   color: white;
68   font-size: 1.5rem;
69 }
70
71
```

```
72 @media (max-width: 599px) {
73   html {
74     font-size: 37.5%;
75   }
76   .attractionsGrid {
77     grid-template-columns: 1fr;
78   }
79 }
80
81 @media (min-width: 600px) {
82   html {
83     font-size: 37.5%;
84   }
85   .attractionsGrid {
86     grid-template-columns: 1fr;
87   }
88 }
89
90 @media (min-width: 768px) {
91   html {
92     font-size: 50%;
93   }
94   .attractionsGrid {
95     grid-template-columns: 1fr 1fr;
96   }
97 }
98
99 @media (min-width: 1024px) {
100   html {
101     font-size: 62.5%;
102   }
103   .attractionsGrid {
104     grid-template-columns: 1fr 1fr 1fr;
105   }
106 }
107
108 @media (min-width: 1200px) {
109   html {
110     font-size: 62.5%;
111   }
112   .attractionsGrid {
113     grid-template-columns: 1fr 1fr 1fr;
114   }
115 }
```

Please find below screenshots in different screen sizes.



4. Interactive Elements

- a) Add hover effects to buttons, links, or other interactive elements.
- b) Use pseudo-classes like :hover, :focus, and :active to enhance user interaction.
- c) Apply transitions or animations to the interactive elements for a smoother experience.
- d) Ensure that interactive elements are accessible and user-friendly.

Please find the 'Task4.html' and Task4.css file in the uploaded zip file, which demonstrates the implementation below.

```
Task4.html X
Module 4 > Module 4_Week 4_Required Assignment_Patil > Task4.html > ...
1 |<!DOCTYPE html>
2 |<html lang="en">
3 |<head>
4 |  <title>My Interactive Page</title>
5 |  <meta charset="UTF-8">
6 |  <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 |  <meta name="description" content="Welcome to my Page!">
8 |  <link href="css/Task4.css" rel="stylesheet"/>
9 |  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
10 |    rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQ1wFspdy065VohhpuuCOMLAsjC" crossorigin="anonymous">
11 |</head>
12 |<body>
13 |  <header>
14 |    <h1>Beautiful Landscape!</h1>
15 |  </header>
16 |  <main class="content">
17 |    <br/>
18 |    <div class="container">
19 |      <div class="row">
20 |        <div class="col">
21 |          
22 |        </div>
23 |      </div>
24 |    </div>
25 |    <br/>
26 |    <div class="container">
27 |      <div class="row">
28 |        <div class="col-6" style="text-align: center;">
29 |          <button id="btnLike" class="buttonLike">Click me if you like it!</button>
30 |        </div>
31 |        <div class="col-6" style="text-align: center;">
32 |          <a id="lnkLike" class="linkLike">Click me if you like it!</a>
33 |        </div>
34 |      </div>
35 |    </div>
36 |    <br/>
37 |  </main>
38 |  <footer>
39 |    &copy; 2025 All rights reserved.
40 |  </footer>
41 |
42 |  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
43 |    integrity="sha384-Mrcw6ZMFY1zcLAbN1+NtLVF0sA7MsXsP1Uy3oMp4YLEuNSfAP+JcXn/twTlaxVXM" crossorigin="anonymous">
44 |  </script>
```

```
45
46 |  <script>
47 |    const btnLike = document.getElementById('btnLike');
48 |    const lnkLike = document.getElementById('lnkLike');
49 |
50 |    btnLike.addEventListener('click', function(event){
51 |      alert('I am glad you liked it!')
52 |    });
53 |    lnkLike.addEventListener('click', function(event){
54 |      alert('I am glad you liked it!')
55 |    });
56 |  </script>
57
58 |</body>
59 |</html>
```


Task4.css

Module 4 > Module 4_Week 4_Required Assignment_Patil > css > # Task4.css

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```

1 |
2 | html{
3 |     box-sizing: border-box;
4 | }
5 |
6 | *, *:before, *:after {
7 |     box-sizing: inherit;
8 | }
9 |
10 | body{
11 |     font-family: 'Poppins', sans-serif;
12 | }
13 |
14 | header{
15 |     padding: 5px;
16 |     border-bottom: 2px solid gray;
17 | }
18 |
19 | .content{
20 |     min-height: 480px;
21 | }
22 |
23 | img{
24 |     width: 100%;
25 |     max-height: 370px;
26 |     display: block;
27 |     object-fit: cover;
28 |     object-position: top;
29 |     cursor: pointer;
30 |     transition: .5s ease-in-out ;
31 | }
32 |
33 | img:hover{
34 |     transform: scale(1.1);
35 | }
36 |

```

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```

/* Button CSS */
.buttonLike {
    background-color: #f1ad54;
    color: white;
    padding: 10px 20px;
    border-radius: 10px;
    font-size: 16px;
    font-weight: bold;
    cursor: pointer;
    transition: all 0.3s ease;
}
.buttonLike:hover {
    background-color: #fc7404;
}
.buttonLike:active {
    transform: scale(0.97);
    background-color: #f54316;
}

/* Hyperlink CSS */
.linkLike {
    color: #f1ad54;
    text-decoration: none;
    font-weight: bold;
    cursor: pointer;
}

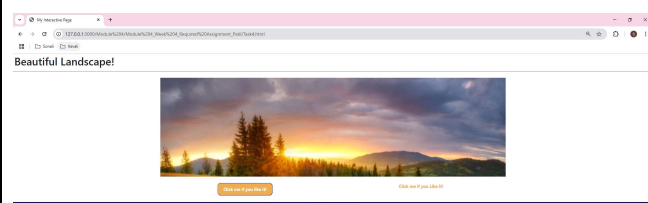
/* Hover: mouse is over the link */
.linkLike:hover {
    color: #fc7404;
    text-decoration: underline;
}

/* Active: link is being clicked */
.linkLike:active {
    color: #f54316;
}

/* Footer CSS */
footer{
    text-align: center;
    background-color: rgb(28, 18, 90);
    color: white;
}

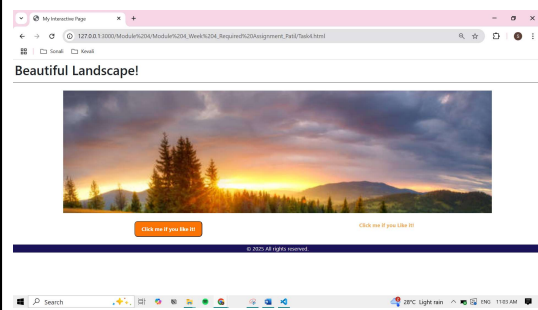
```

On page load

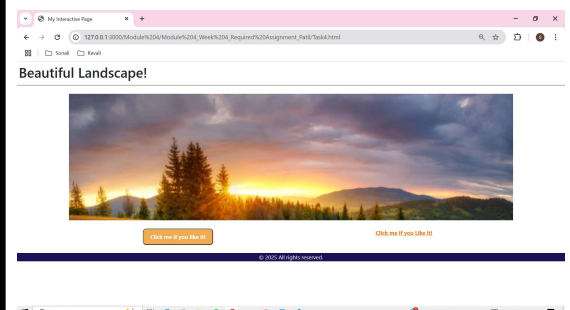


Transition is applied to image and buttons. The top image gets scaled (transform) when hover on it.

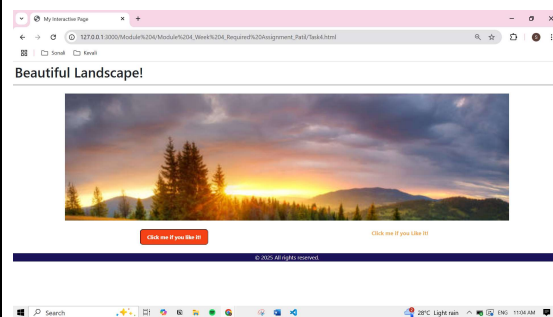
When hover on button



When hover on link



When the button is active



When the link is active

