

HTML Part 1:-

Introduction to semantic tags

Element - valid word that is used in html file.

Example:-head,html,title,h1,br,etc

Tag- when element is surrounded by angular brackets(<>)it's called a tag

Example:-<html>,<head>,<h1>,etc

Types of elements :-

1.non-semantic

2.semantic

Semantic elements :-

provides additional and relevant information about page

Used by - SEO(search engine optimization),automation testing,web scraping

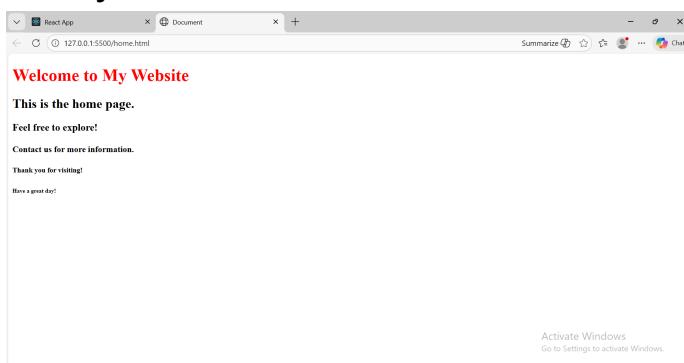
Examples:-

```
<> home.html > ↗ html
1   <!DOCTYPE html>
2   <html lang="en">
3     <head>
4       <meta charset="UTF-8">
5       <meta name="viewport" content="width=device-width, initial-scale=1.0">
6       <title>Document</title>
7     </head>
8     <body>
9       <h1>Welcome to My Website</h1>
10      </body>
11    </html>
```

Viewport :-visible section of page

<h1> tag can be used for heading

<h1 style="color:red">is used to color text



HTML Part 2:-

Those written use <style>tag comes under css

Body{}written inside style tag is an element

```
↳ home.html > ↳ html > ↳ body
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <style>
9      body {
10          background-color: #f0f8ff;
11          font-family: Arial, sans-serif;
12      }
13 </style>
14 <body>
15     <h1 style="color: red;">Welcome to My Website</h1>
16     <h2>This is the home page.</h2>
17     <h3>Feel free to explore!</h3>
18     <h4>Contact us for more information.</h4>
19     <h5>Thank you for visiting!</h5>
20     <h6>Have a great day!</h6>
21 </body>
22 </html>
```

Welcome to My Website

This is the home page.

Feel free to explore!

Contact us for more information.

Thank you for visiting!

Have a great day!

<div> :- divides page into different divisions

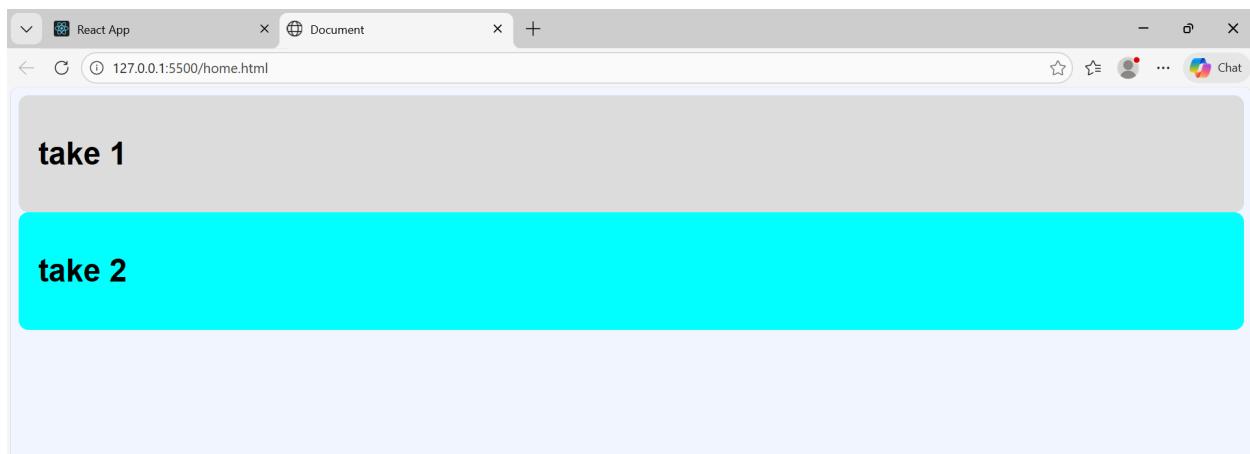
Look to the use of div tag

```

home.html X
home.html > html > body > div
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>Document</title>
7  </head>
8  <style>
9      body {
10          background-color: #f0f0ff;
11          font-family: Arial, sans-serif;
12      }
13  </style>
14  <body>
15      <div style="background-color: #e0e0e0; padding: 20px; border-radius: 10px;">
16          <h1>take 1</h1>
17      </div>
18      <div style="background-color: #aqua; padding: 20px; border-radius: 10px;">
19          <h1>take 2</h1>
20      </div>
21      <!-- <h1 style="color: red;">Welcome to My Website</h1>
22      <h2>This is the home page.</h2>
23      <h3>Feel free to explore!</h3>
24      <h4>Contact us for more information.</h4>
25      <h5>Thank you for visiting!</h5>
26      <h6>Have a great day!</h6> -->
27  </body>
28 </html>

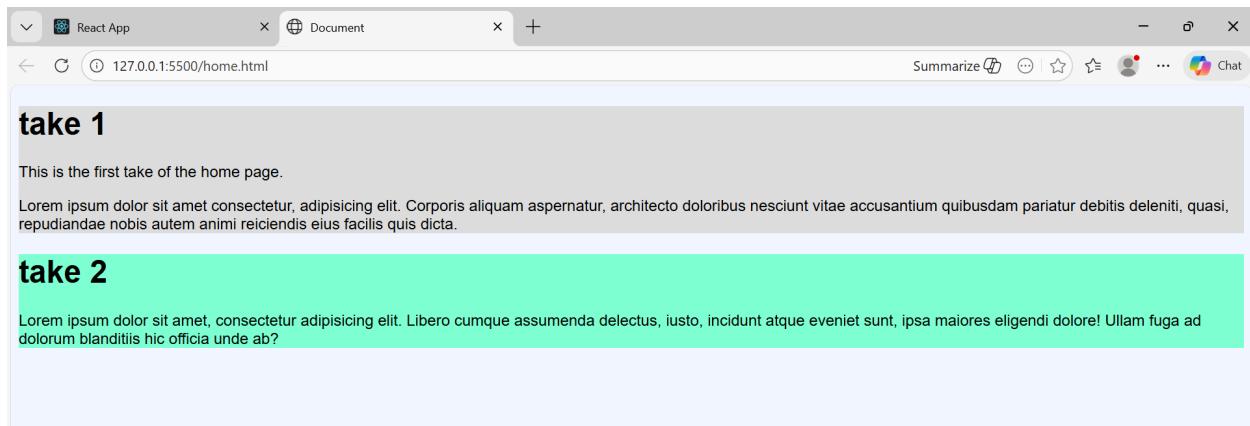
```

Activate Wind



<p> tag represents the paragraph

For paragraph purpose ,use lorem (emmet snippet) for testing purpose.



In ordered list u can get the list in terms of order like 1,2,3....

In unordered list its like bullet points

```

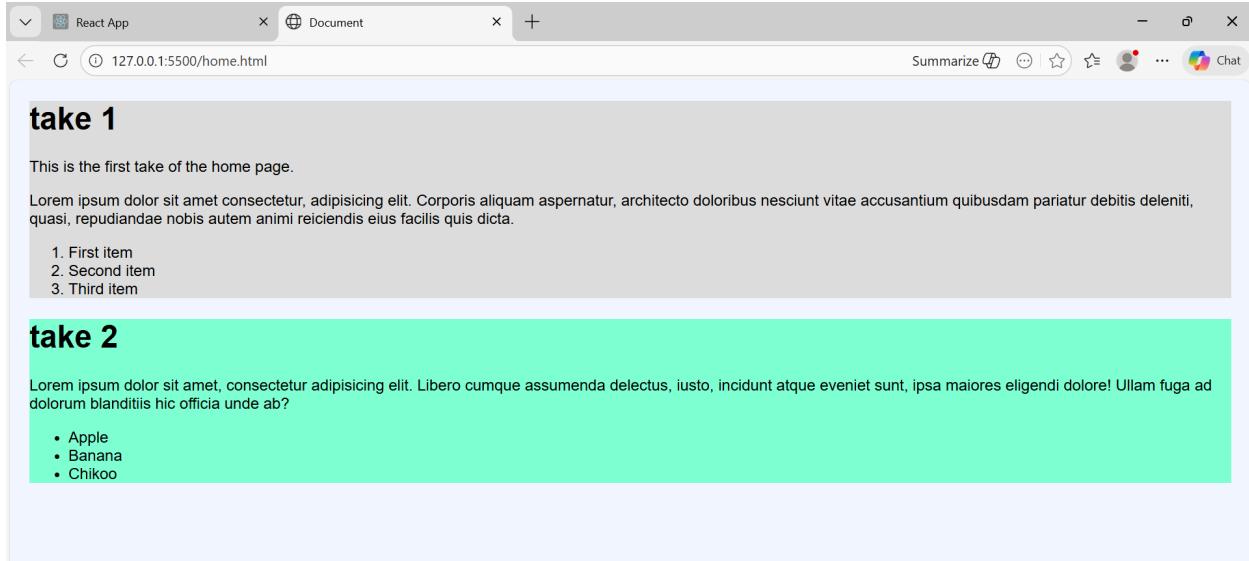
        style="background-color: #e0e0e0;">
<h1>take 1</h1>
<p>This is the first take of the home page.</p>
<p>Lorem ipsum dolor sit amet consectetur, adipisicing elit. Corporis aliquam aspernatur, architecto doloribus  

    nesciunt vitae accusantium quibusdam pariatur debitibus deleniti, quasi, repudiandae nobis autem animi  

    reiciendis eius facilis quis dicta.</p>
<ol>
    <li>First item</li>
    <li>Second item</li>
    <li>Third item</li>
</ol>
<v>
    style="background-color: aquamarine;">
<h1>take 2</h1>
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Libero cumque assumenda delectus, iusto, incident  

    atque eveniet sunt, ipsa maiores eligendi dolore! Ullam fuga ad dolorum blanditiis hic officia unde ab?</p>
    <ul>
        <li>Apple</li>
        <li>Banana</li>
        <li>Chikoo</li>
    </ul>
</v>

```



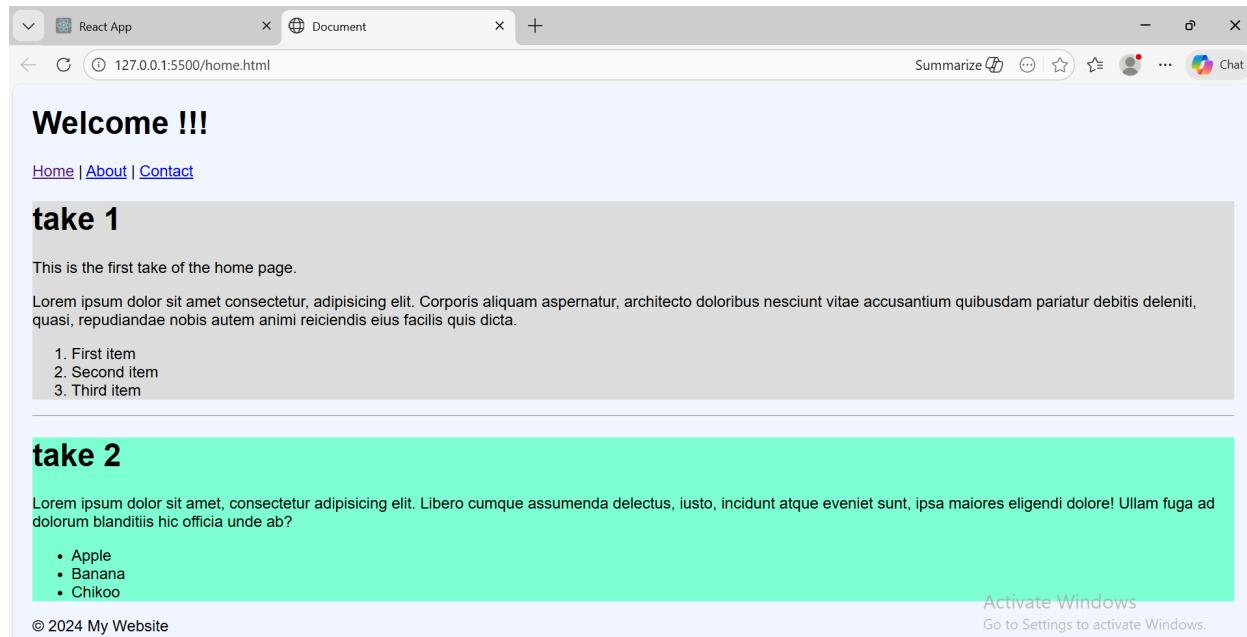
<hr> for horizontal line

Semantic elements :- <header>,<footer>,<nav>,<section>,<main>

```

}   <body>
)     <header>
)       <h1>Welcome !!!</h1>
.       <nav>
!         <a href="home.html">Home</a> |
)         <a href="about.html">About</a> |
+         <a href="contact.html">Contact</a>
;       </nav>
;     <main>
)   >     <div style="background-color: #e0e0e0;"> ...
|   |   </div>
)   >     <hr>
)   >     <div style="background-color: aquamarine;"> ...
)   >     <!-- <h1 style="color: red;">Welcome to My Website</h1> ...
;   </main>
;   <footer>
)     <p>&copy; 2024 My Website</p>
)   </body>
)

```



HTML Part 3:-

Creating a simple book my tickets page using the concepts we learnt
[anchor tag](#) is used to link a url.

Url-universal resource locator.

When style inside tag its called a “inline css”

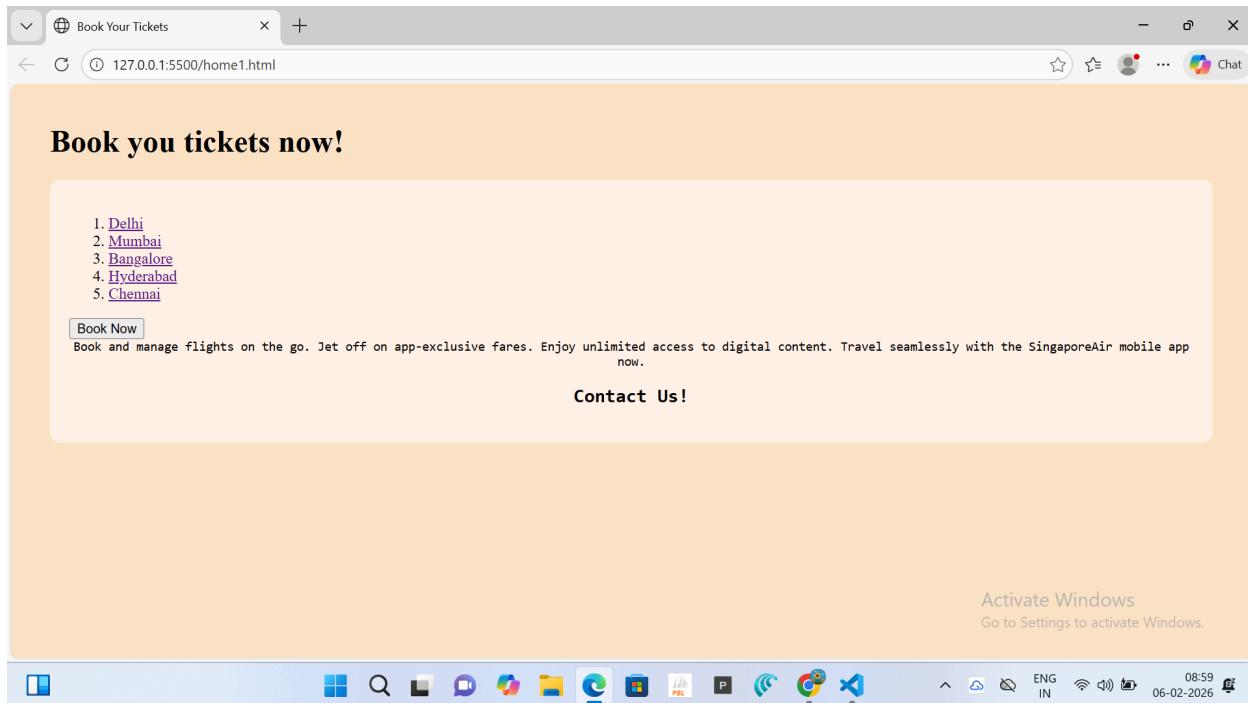
Types of css:-

- 1.inline
- 2.embedded
- 3.external

```
home.html      home1.html X
home1.html > html > body > main > div > section > ol > li
1  <!DOCTYPE html>
2  <html lang="en">
3
4  <head>
5      <meta charset="UTF-8">
6      <title>Book Your Tickets</title>
7      <style>
8          body {
9              background-color: #fde3c4;
10             /* light peach background */
11             font-family: "Times New Roman", serif;
12             margin: 40px;
13         }
14     </style>
15   </head>
16
17 <body>
18   <main>
19       <h1>Book your tickets now!</h1>
20       <div style="background-color: #fff2e6; padding: 20px; border-radius: 10px;">
21           <section>
22               <ol>
23                   <li><a href="#">Delhi</a></li>
24                   <li><a href="#">Mumbai</a></li>
25                   <li><a href="#">Bangalore</a></li>
26                   <li><a href="#">Hyderabad</a></li>
27                   <li><a href="#">Chennai</a></li>
28               </ol>

```

```
home.html      home1.html X
home1.html > html > body > main > div > section > ol > li
2  <html lang="en">
17 <body>
18   <main>
20       <div style="background-color: #fff2e6; padding: 20px; border-radius: 10px;">
21           <section>
25               <ol>
26                   <li><a href="#">Bangalore</a></li>
27                   <li><a href="#">Hyderabad</a></li>
28                   <li><a href="#">Chennai</a></li>
29               </ol>
30               <button>Book Now</button>
31           </section>
32           <section <p style="text-align: center; font-family: monospace;">
33               Book and manage flights on the go. Jet off on app-exclusive fares.
34               Enjoy unlimited access to digital content. Travel seamlessly with
35               the SingaporeAir mobile app now.
36           </p>
37           <h2>Contact Us!</h2>
38       </div>
39   </main>
40 </body>
41
42 </html>
```



HTML Forms:-

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>Book Your Tickets</title>
    <style>
        body {
            background-color: #fde3c4;
            /* light peach background */
            font-family: "Times New Roman", serif;
            margin: 40px;
        }
    </style>
</head>

<body>
    <main>
        <h1>Book your tickets now!</h1>
        <div style="background-color: #fff2e6; padding: 20px;
border-radius: 10px;">
```

```

<section>
    <ol>
        <li><a href="#">Delhi</a></li>
        <li><a href="#">Mumbai</a></li>
        <li><a href="#">Bangalore</a></li>
        <li><a href="#">Hyderabad</a></li>
        <li><a href="#">Chennai</a></li>
    </ol>
    <div style="text-align: center; border: 1px solid #060514; padding: 10px; border-radius: 5px; margin-left: 2px;">
        <h2>Book Your Flight</h2>
        <form action="">
            Passenger Name: <input type="text" name="name"><br><br>
            Passenger Email: <input type="email" name="email"><br><br>
            Passenger Phone: <input type="tel" name="phone"><br><br>
            passenger Passsword: <input type="password" name="password"><br><br>
            Departure City: <input type="text" name="departure"><br><br>
            Arrival City: <input type="text" name="arrival"><br><br>
            Departure Date: <input type="date" name="departure_date"><br><br>
            Return Date: <input type="date" name="return_date"><br><br>
            <input type="submit" value="Book Now">
        </form>
    </div>
</section>
<section <p style="text-align: center; font-family: monospace;">
    Book and manage flights on the go. Jet off on app-exclusive fares.
    Enjoy unlimited access to digital content. Travel seamlessly with
    the Singapore Air mobile app now.
</p>

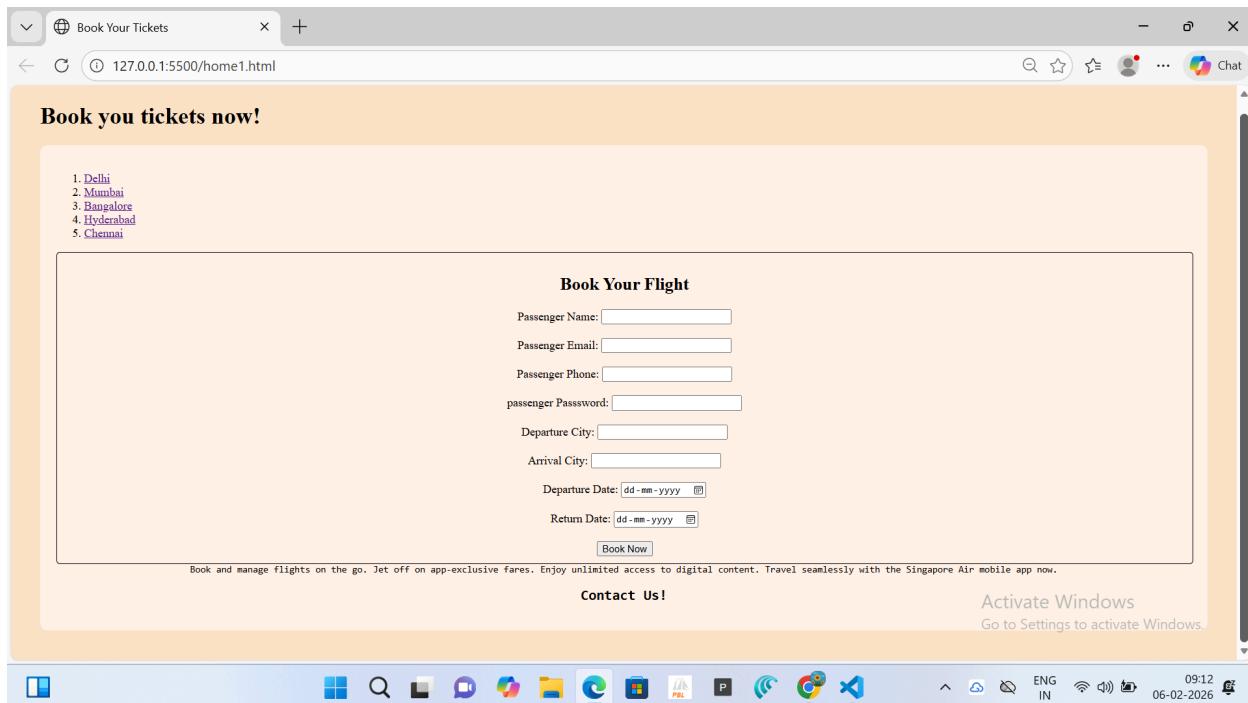
```

```

        <h2>Contact Us!</h2>
    </section>
</div>
</main>
</body>

</html>

```



HTML Images :-

Src gives where the image comes from

Alt gives the meaning of the image when the image does not appear due to some errors

Title gives description of the image when the cursor is pointed on the image.

 to insert a image.

<figcaption> tag to insert a caption for a image.

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>Book Your Tickets</title>

```

```
<style>
    body {
        background-color: #fde3c4;
        /* light peach background */
        font-family: "Times New Roman", serif;
        margin: 40px;
    }

    nav {
        background-color: #f1bb90;
        padding: 10px;
        border-radius: 8px;
    }

    .navbar {
        list-style-type: none;
        /* remove numbers */
        display: flex;
        /* horizontal layout */
        justify-content: center;
        gap: 30px;
        margin: 0;
        padding: 0;
    }

    .navbar li a {
        color: white;
        text-decoration: none;
        font-weight: bold;
    }

    .navbar li a:hover {
        text-decoration: underline;
    }
</style>
</head>

<body>
    <main>
        <h1 style="text-align: center;">Book your tickets now!</h1>
```

```
<figure>
>  
  

Fly with us and explore the world!

</figure>

<details>

```
<summary style="font-weight: bold; cursor: pointer;">Why
Choose Us?</summary>
 <p style="margin-left: 20px;">We offer the best prices,
 excellent customer service, and a wide range of destinations. Book with us
 for a seamless travel experience!</p>
 <input type="radio" name="ins">I want to receive updates and
 special offers from our airline.

 <input type="radio" name="ins">I agree to the terms and
 conditions of booking with our airline.

 </details>
 <dl>Hotels Booking...
 <dd>Taj Hotels</dd>
 <dd>Oberoi Hotels</dd>
 <dd>ITC Hotels</dd>
 <dd>Radisson Hotels</dd>
 <dd>Marriott Hotels</dd>
 </dl>
 <nav>
 <ol class="navbar">
 Delhi
 Mumbai
 Bangalore
 Hyderabad
 Chennai

 </nav>
 <div style="background-color: #fff2e6; padding: 20px;
border-radius: 10px;">
 <section>
 <div
 style="text-align: center; border: 1px solid #060514;
padding: 10px; border-radius: 5px; margin-left: 2px;">
 <h2>Book Your Flight</h2>
 <form action="">
 Passenger Name: <input type="text"
name="name">

 Passenger Email: <input type="email"
name="email">

 Passenger Phone: <input type="tel"
name="phone">


```

```
 passenger Password: <input type="password"
name="password">

 Departure City: <input type="text"
name="departure">

 Arrival City: <input type="text"
name="arrival">

 Departure Date: <input type="date"
name="departure_date">

 Return Date: <input type="date"
name="return_date">

 <input type="submit" value="Book Now">
 </form>
</div>
</section>
<section <p style="text-align: center;font-family:monospace;">
 Book and manage flights on the go. Jet off on
app-exclusive fares.
 Enjoy unlimited access to digital content. Travel
seamlessly with
 the Singapore Air mobile app now.
</p>
<h2>Contact Us!</h2>
</section>
</div>
</main>
</body>

</html>
```

