

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

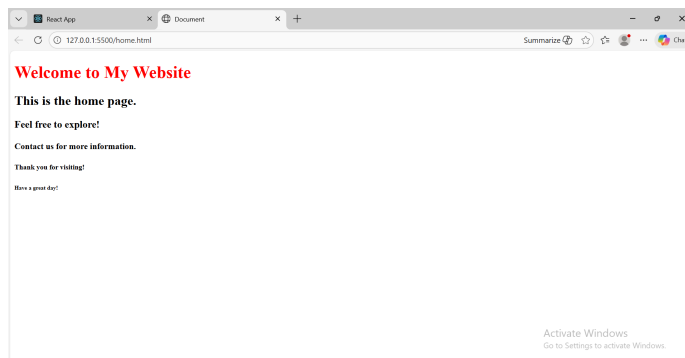
Examples:-

```
<> 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!

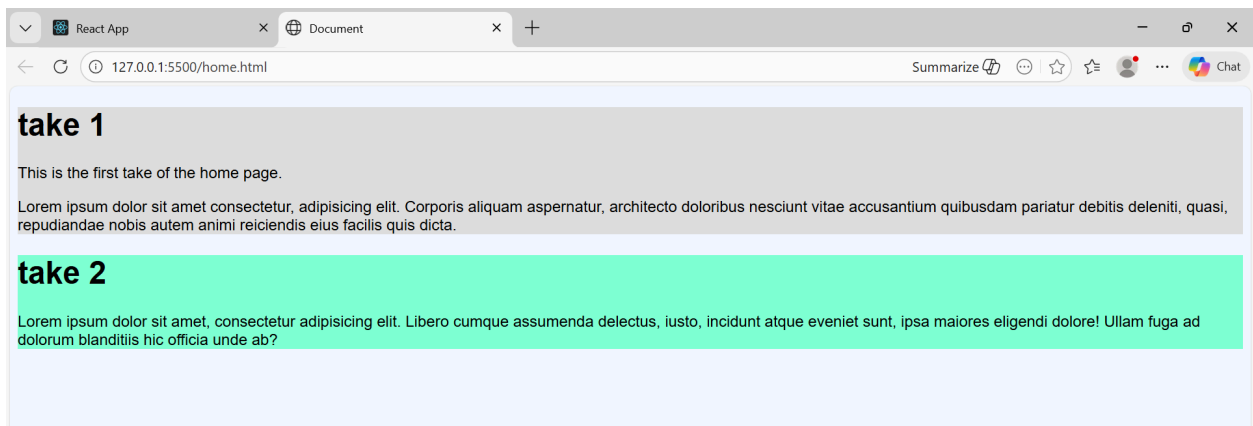
<div> :- divides page into different divisions
Look to the use of div tag

```
<> 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: #f0f8ff;
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>
```



`<p>` tag represents the paragraph

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



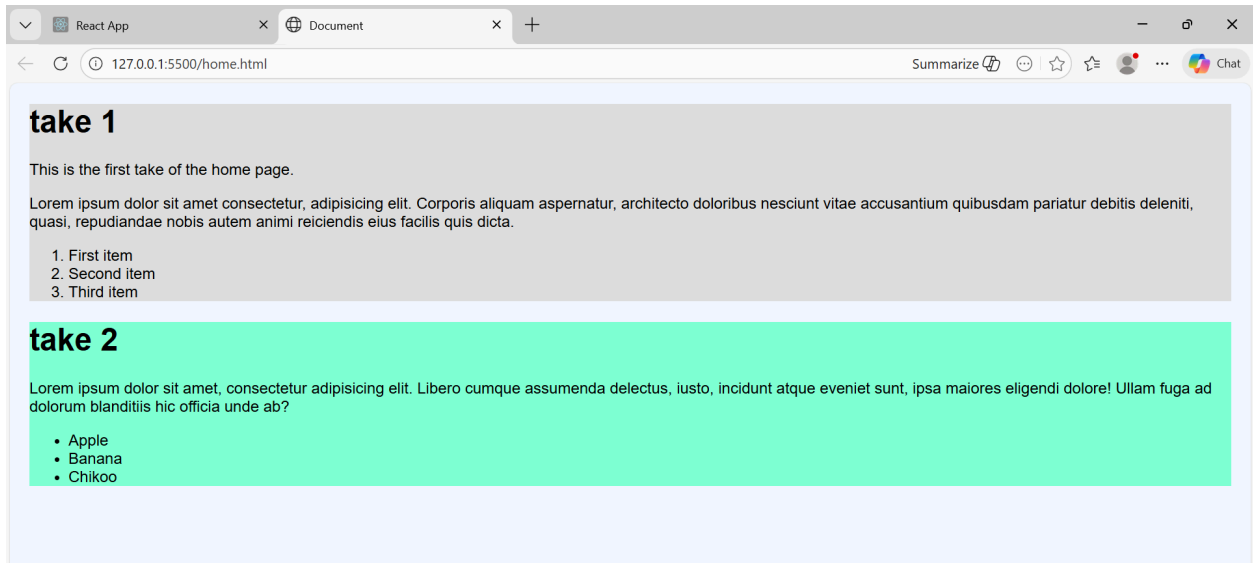
In ordered list u can get the list in terms of order like 1,2,3....

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 debitis 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>
</div>
<div>
    style="background-color: aquamarine;">
<h1>take 2</h1>
<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Libero cumque assumenda delectus, iusto, incidunt
    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>
</div>
</div>
</div>

```



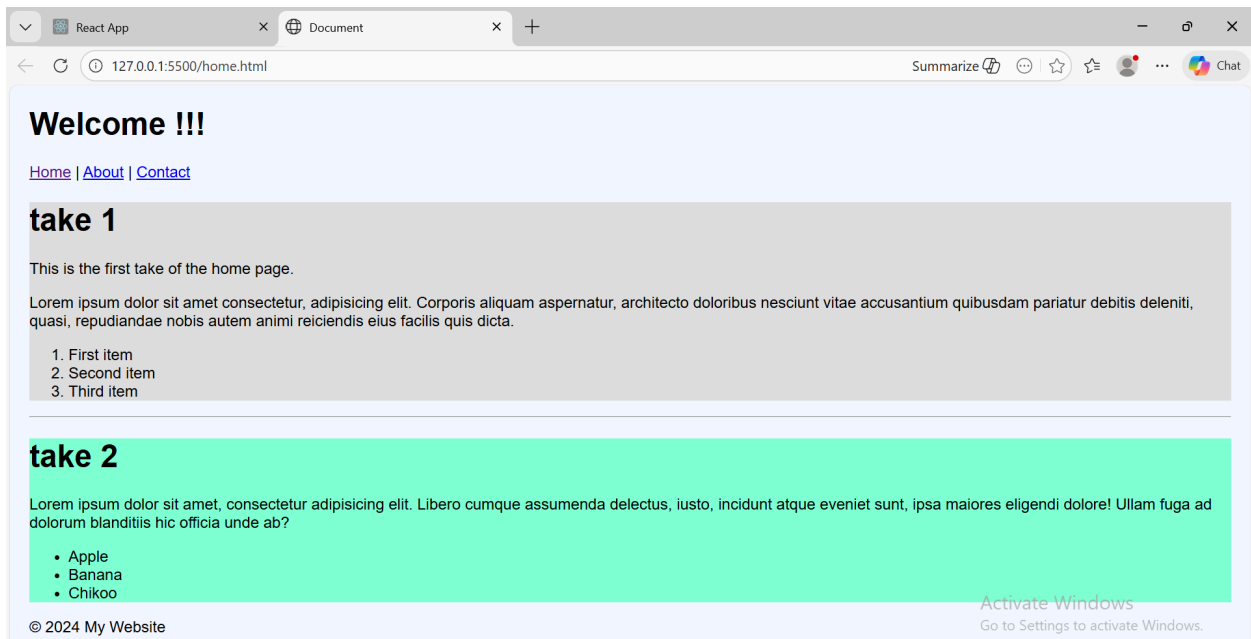
<hr> for horizontal line

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;">...
} </div>
} > <!-- <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

<a> 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

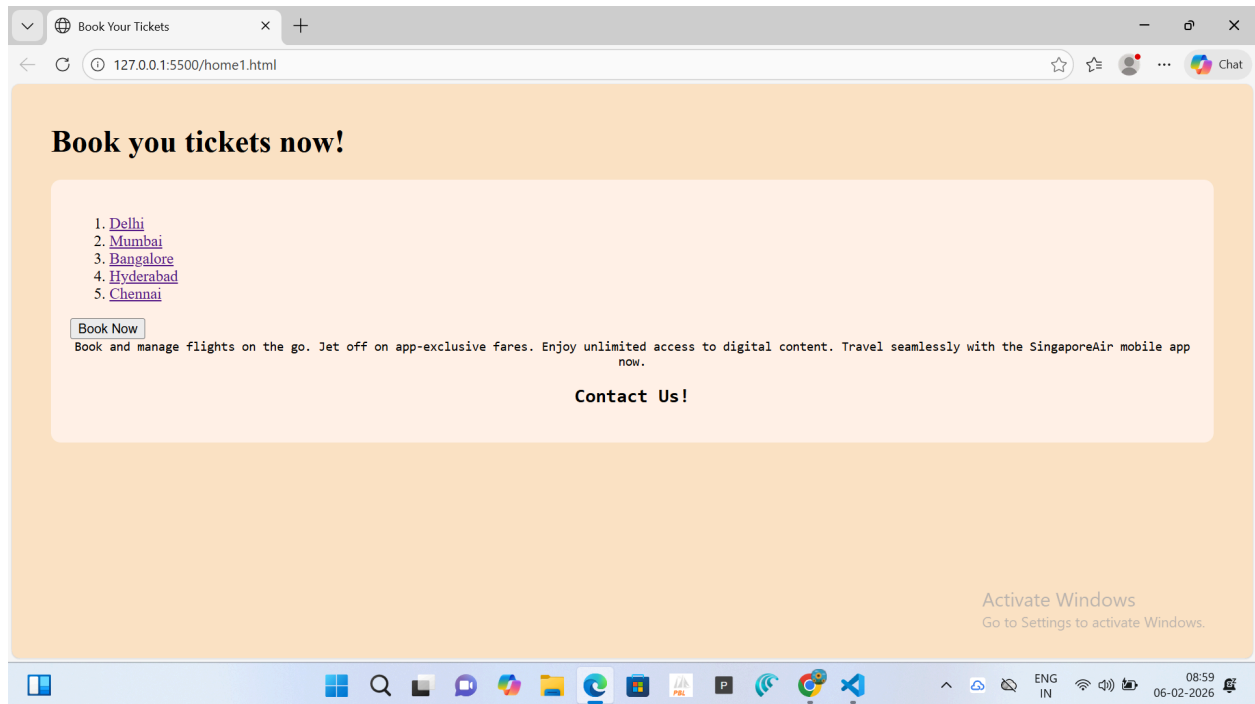
<> home1.html > html > body > main > div > section > ol > li

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

```

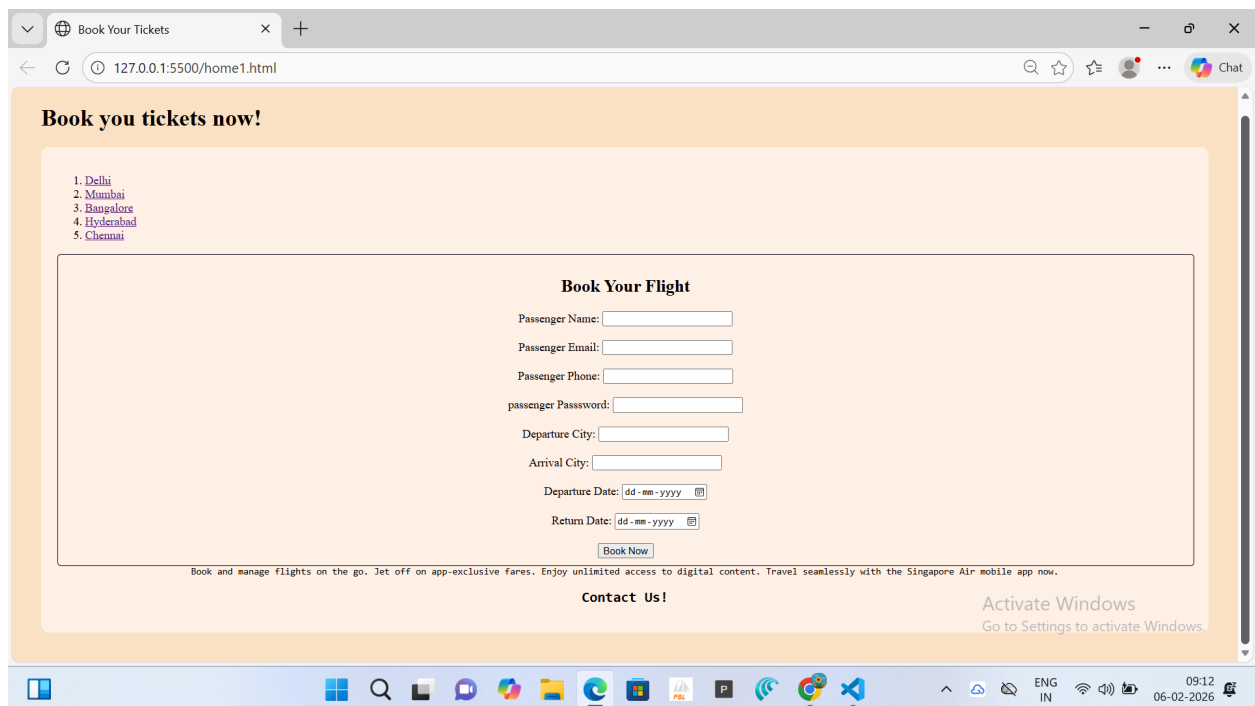


```

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

</html>

```



HTML Images :-

```
<img src="",alt="",title="">
```

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 you tickets now!</h1>
```

[illegible]

03pmGTz17+j6Ut9FR0NIynoKeGCnaO7HC0NaB8lkhfMFg1pqCwNDLdcXmnHSCf8AORj4A9B8ML
rqXjVeI2gVVooZ3AfijlfHn5d5Z18S98clTnlk5K17g1pLiAAMkkqD6rjTeZG4pLRQwOPjJI+X
/iudqr9q/XNSKFstTUhx501KwsiH7eOWP2ii+Nf8uA80/XJIXEDiZDTtfadMP9prp046pjG5sZ
6Yz7zvhyH2W+4X6SOMrOZa1ubpWkSVLiclo5kMz6ZOfuLa/h7wlp9POZcLq5lTcxzYAMsp/wBn
zdz6/RSIoyVKXhBUJt+VFURFiaBERAEREAREQBfQkAZKt7RnvD6oC9FZ2jc4BH1VQ9pOARnyyg
LlY+Nr2Fj2hzSMEHnlXZVC9oOCRnyygORu/DbSt0lM0ltFPKTKvpXmPPyHL7LRP4MWEuy2vuTR
7oew/wCKksuA5kgD1Kt7aPwkZ/EFosuRdMhxL7Rw1Bw10rSuD56eoqyPCec7T8m4yuzt9uo7bT
tp7fSw08LejImBoWRuGMOhtd0IPwKmrqu2UpS6KgKqoXAczyCp2jPeH1UnS5FZ2jPeH1VRI0nA
I+qAuREQBERAEREbptYkjSd4IJBFFLgjjw7pXz9pegtNzppn3vVL7VIx4bGwtL97cdevnyX0Nqm
nmq9N3SmpozJNLSyMYWdXOLSAFGvDfhzBLQVh1hYiJxMOWEshzs28/wOx1XpxXMw9mOSW6Wjz0
Pp/T8WqaKe26ydcamIue2l7IjeNpz4+GcrF0dJIEmlwY57ywSVOG7jhSVaNE6cstcyvtlrrjp6q
MENkeJyQCMHqT4KLKix61tGublerJZHyl88vZPk2OY5rj1xvBVTU265+vs405SJ08FCmt5ZG8Z
baxsrwzdS5aHHB7x8Fs6W+8VnVULaixU7YTI0SOELeTc8z/q+Sas01eq3inQXWlt0stBG6n3zh
zcN2k7uROeSnHKivZroq3tcGhlG2s1RXTdY3100FPvELMElrAGbiQ3OMnml40TpixVporlrOop
6oMDwx1MTyPQ8vgtnrTS+qKLXZ1Hpuh9ra5zZWEFp2P27S1zSQSPh5rX3NmubtUmpuWh7dUVDm
hnay0YccDoM9qtU+FP6X+GeuXtGx4UyVEMl4o/y/BX05onSMhjkkcY3A43Yc0AZB549FznC7Wt
Dpd1c+8PqpBOyMR7BvxjOep9V1nC3Rt5sxulfdqQUR6ilMMM5pcSTknkSAM4xzVvCLR1bQS3H
/qWyNja5kYh9pax+SN2cczjwU1Ue2+QlXGjy1nxQsV70zX22gFYypqGARl0e0AhWPXPLosfRGM
H6w0DFA+5z0hguckvaNG5zu4BjqOXNdvrTFNVaTuMFntFM6ufGOxEMLGuJ3DoeXhlePC00XCy
6WfS3akfSzmqe8RvIJ2kDB5EqPOFi9eOS/GvPkibW2mpdL36itbLpUVIqWMD2jstLdzy3pk+Sk
3S/DM2C+010/LtRVdhu/MvjwHZBHXCfNaninpq93fV9srLZbZammijja+VjmgNikJPUG9FLSZM
rcSk/7Ex7MiilZGwREQBERADzVMKqICmFZM9sUbpHuDNWNBliTyA816LBvNvF1t8tC+R0cU2Gyl
vVzM95vpkZGfVAeFvUF2tjq6BkjGtLw6OQbXNx0yPDIwfgQsOrlGILPbrjHS1/t20tidM1mzL
C/m48ugWRbtP09tnrHUBpGQVTGh8LnFwDwCN4JOclu0Y6d0LwrNLULdZrfa6tz5YKMNHMDMMGF
gz5HnnI8Qq9dk86Mr8sXOpbVURxSFlxexsYcMFm5jn5cP3fuveSvbHdYbeWEulgFMH55DaWjH8
yxa2zz1VFQwm4SNqKORSjajs2kvcGlvNvTnuWUbfm509e6RxfDA+HbgYduLST/ACrNB3klcWq6
SWGqLYpBNTVQp3wu5E517MPb5tz/AEI6rlumoG2+801t7KJz52B4fLUti5F23AB/EfQLzn0nR1
FNHFK+QyRVjquOZvdc0mXtCz11bnAwfILKrrNJU3iG4w1ZhcyIROjMLXhwdt3U9D8F31HJSvvX
st5pra2n3umbv30lazlnHdB/GR1IHQea24C092sjrnUxPkrJWU7XRvfT7WkFzHbmlpPNpz1I6j
yW5HRS9AYVURDoREQBERAEREAREQBFTKqgCJlEAREQBFTKZCAqiKmQgKoqZCqgCIiAiIaIiIgC
o5EQGFbamSpoxLJjdvkHIe68gfYK21VklZCHYhoJjjd3R4uYCfuURAE1RO6OemY0DEsul2fLY4
/4hUrp3wtg2Y787GHI8CeaIgMnJQFEQGnuFyngvUNKzZ2To9xyOedrZ/iPusN94q2dk7LDvt7q
ggt5bwwo+mSiIctfeaulZWPj2HsqiCJoc3lh+zJ+PeK87jeK2mkrhHI3EADmZaPEuGD9AiICkd
7rXgOLmDFYyLabyLXFn/IrqR0VUQBERAEREB//2Q==" alt="Airplane Image"

style="display: block; margin: 0 auto; max-width: 100%; height:
auto";alt="Airplane Image",title="Airplane Image">

<figcaption style="text-align: center; font-style: italic; color:
#555;">Fly with us and explore the world!</figcaption>

</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.<br>
        <input type="radio" name="ins">I agree to the terms and
conditions of booking with our airline.<br>
    </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">
        <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>
    </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"><br><br>
                    Passenger Email: <input type="email"
name="email"><br><br>
                    Passenger Phone: <input type="tel"
name="phone"><br><br>

```

```
                passenger Password: <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>
```

