

# Mobile Application Development-DA1

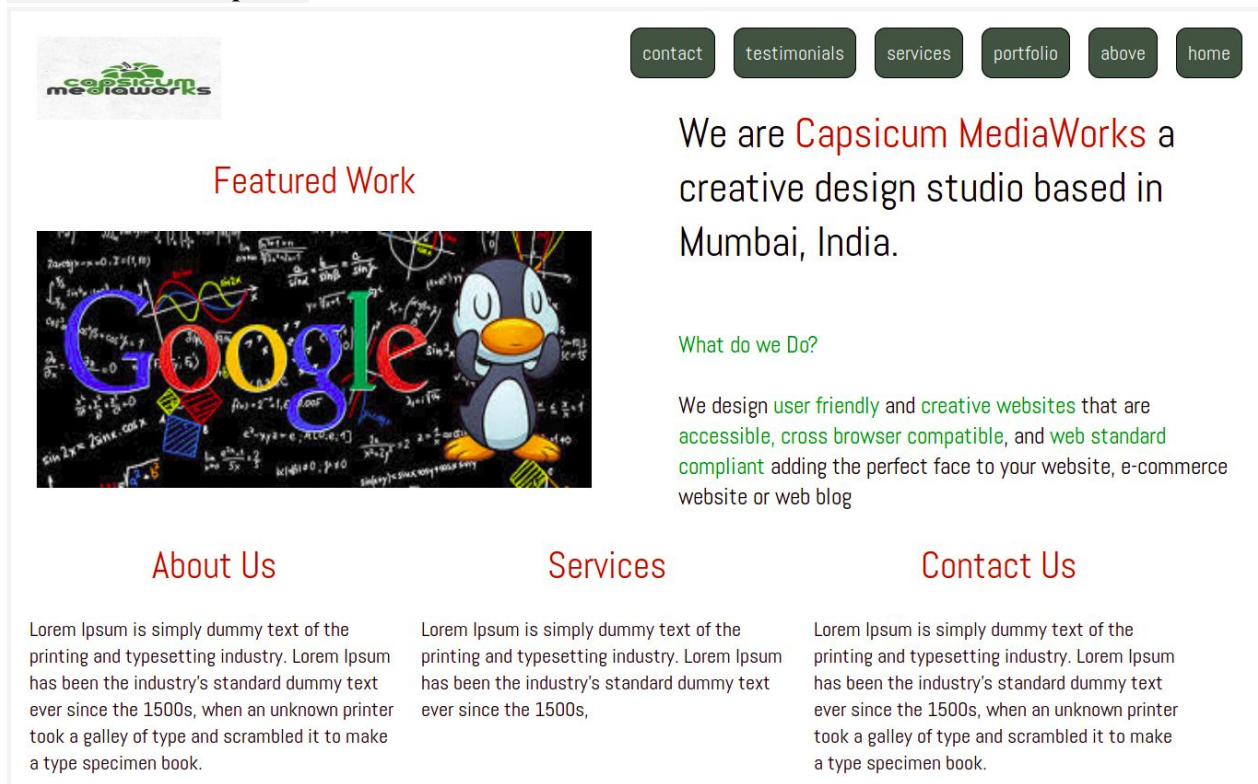
Kaustubh Deokar

16bce0353

A1

1.Design a website as shown in the figure using HTML5 and CSS3. Content for website need not be same as shown in the figure

Screenshot of Output1:-



The picture is a slideshow containing three pictures, of which second picture is shown as example below.

Code1:- html

```
<html>
<head>
<link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>
<link rel="stylesheet" href="ques1_1.css">
</head>
<body>

```

```
<header class="head">
<nav>home</nav>
<nav>above</nav>
<nav>portfolio</nav>
<nav>services</nav>
<nav>testimonials</nav>
<nav>contact</nav>
</header>
```

```
<div class="holder">
<div class="one">
```

We are **Capsicum MediaWorks** a creative design studio based in Mumbai, India.

```
</div>
```

```
<div class="two">
```

```
<br><br>
```

```
<mark class="green">What do we Do?</mark><br><br>
```

We design **user friendly** and **creative websites** that are **accessible, cross browser compatible**, and **web standard compliant** adding the perfect face to your website, e-commerce website or web blog

```
</div>
```

```
</div>
```

```
<div class="images">
```

```
<center><mark class="red2">Featured Work</mark></center><br>
```

```

```

```

```

```

```

```
</div>
```

```
<div class="sections">
```

```
<div class="column">
```

```
<center><mark class="red2">About Us</mark></center><br>
```

Lorem Ipsum is simply dummy text of the printing and typesetting industry.

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

```
</div>
```

```
<div class="column">
```

```
<center><mark class="red2">Services</mark></center><br>
```

Lorem Ipsum is simply dummy text of the printing and typesetting industry.

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s,

```
</div>
```

```
<div class="column">
```

```
<center><mark class="red2">Contact Us</mark></center><br>
```

Lorem Ipsum is simply dummy text of the printing and typesetting industry.

Lorem Ipsum has been the industry's standard dummy text ever since the 1500s,  
when an unknown printer took a galley of type and scrambled it to make a type specimen book.

</div>

</div>

<script>

var myindex=0;

carousel();

function carousel(){

var i;

var x=document.getElementsByClassName("myslides");

for(i=0;i<x.length;i++){

x[i].style.display="none";

}

myindex++;

if(myindex>x.length){myindex=1}

x[myindex-1].style.display="block";

setTimeout(carousel,2000);

}

</script>

</body>

</html>

CSS Code: -

body{

font-family: 'Abel';font-size: 22px;

}

div.holder{

float:right;

clear:right;

width:45%;

padding:20px;

}

div.images{

float:left;

clear:left;

width:45%;

padding:20px;

}

```
div.one{  
  float:right;  
  width:100%;  
  font-size:45px;  
  clear:right;  
}
```

```
div.two{  
  float:left;  
  clear:right;  
  width:100%;  
  font-size:25px;  
}
```

```
div.sections{  
  float:left;  
  clear:left;  
  width:100%;  
}
```

```
div.column{  
  float:left;  
  width:30%;  
  padding:12px;  
}
```

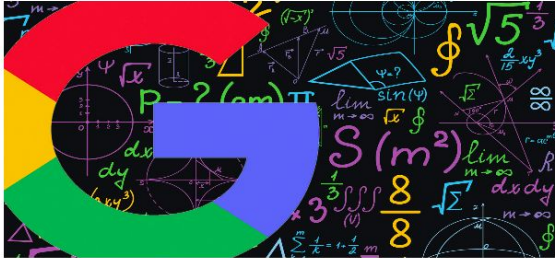
```
nav{  
  float:right;  
  padding:12px;  
  margin:10px;  
  border:1px solid black;  
  border-radius: 12px;  
  background:rgb(67, 79, 64);  
  color:white;  
}
```

```
nav:hover{  
  border-bottom:2px solid white;  
  background:rgb(132, 42, 9);
```

```
}  
img{  
  float:left;  
  clear:left;  
  width:200px;  
  height:90px;  
  padding:0px;  
  margin:0px;  
}  
mark.red2{  
  color:rgb(193, 51, 0);  
  background:none;  
  font-size:40px;  
  text-align:center;  
  text-decoration:bold;  
}  
mark.green{  
  color:green;  
  background:none;  
}  
mark.red{  
  color:rgb(193, 51, 0);  
  background:none;  
}
```

[contact](#)[testimonials](#)[services](#)[portfolio](#)[above](#)[home](#)

## Featured Work



We are **Capsicum MediaWorks** a creative design studio based in Mumbai, India.

### What do we Do?

We design **user friendly** and **creative websites** that are **accessible**, **cross browser compatible**, and **web standard compliant** adding the perfect face to your website, e-commerce website or web blog

## About Us

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

## Services

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s,

## Contact Us

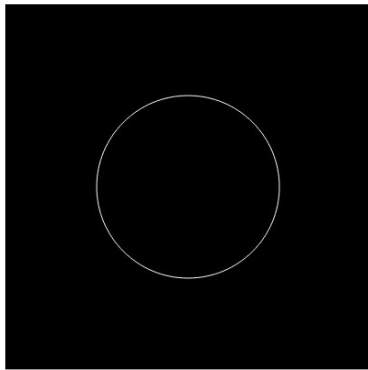
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.

## Screenshot of code:-

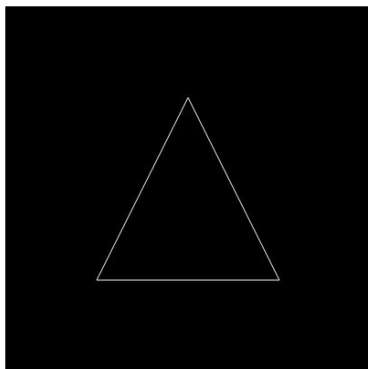
```
1 <html>
2 <head>
3 <link href='https://fonts.googleapis.com/css?family=Abel' rel='stylesheet'>
4 <link rel="stylesheet" href="ques1_1.css">
5 </head>
6 <body>
7 
8 <header class="head">
9 <nav>home</nav>
10 <nav>above</nav>
11 <nav>portfolio</nav>
12 <nav>services</nav>
13 <nav>testimonials</nav>
14 <nav>contact</nav>
15 </header>
16
17 <div class="holder">
18 <div class="one">
19 We are <mark class="red">Capsicum MediaWorks</mark> a creative d
20 based in Mumbai, India.
21 </div>
22 <div class="two">
23 <br><br>
24 <mark class="green">What do we Do?</mark><br><br>
25 We design <mark class="green">user friendly</mark> and <mark cla
26 creative websites </mark>that are <mark class="green">accessible
27 compatible</mark>, and <mark class="green">web standard complian
28 perfect face to your website, e-commerce website or web blog
29 </div>
30 </div>
31
32 <div class="images">
```

```
1 body{
2 font-family: 'Abel';font-size: 22px;
3 }
4 div.holder{
5 float:right;
6 clear:right;
7 width:45%;
8 padding:20px;
9 }
10 div.images{
11 float:left;
12 clear:left;
13 width:45%;
14 padding:20px;
15 }
16 div.one{
17 float:right;
18 width:100%;
19 font-size:45px;
20 clear:right;
21 }
22
23 div.two{
24 float:left;
25 clear:right;
26 width:100%;
27 font-size:25px;
28 }
29
30 div.sections{
31 float:left;
32 clear:left;
```

```
Activities Visual Studio Code Fri 13:59
ques1.html two.html ques1_1.html x # ques1.css ques1_1.css x
33 <center><mark class="red2">Featured Work</mark></center><br>
34 
38 <div class="sections">
39 <div class="column">
40 <center><mark class="red2">About Us</mark></center><br>
41 Lorem Ipsum is simply dummy text of the printing and typesetting
42 Lorem Ipsum has been the industry's standard dummy text ever sinc
43 when an unknown printer took a galley of type and scrambled it to
44 </div>
45 <div class="column">
46 <center><mark class="red2">Services</mark></center><br>
47 Lorem Ipsum is simply dummy text of the printing and typesetting
48 Lorem Ipsum has been the industry's standard dummy text ever sinc
49 </div>
50 <div class="column">
51 <center><mark class="red2">Contact Us</mark></center><br>
52 Lorem Ipsum is simply dummy text of the printing and typesetting
53 Lorem Ipsum has been the industry's standard dummy text ever sinc
54 when an unknown printer took a galley of type and scrambled it to
55 </div>
56 </div>
57
58 <script>
59 var myindex=0;
60 carousel();
61 function carousel(){
62 var i;
63 var x=document.getElementsByClassName("myslides");
64 for(i=0;i<x.length;i++){
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```



Circle Square Triangle



Circle Square Triangle

```
<!DOCTYPE html>
<html>
<head>
  <title>Two</title>
<style type="text/css">
  button{
    width:125px;
  }
  button:onclick{
    color:black;
  }
</style>

</head>
<body>
```



```
<canvas height="400" width="400" id="one"></canvas>
<p>
  <button type="button" id="circle" onclick="circle()">
    Circle
  </button>
  <button type="button" id="square" onclick="square()">
    Square
  </button>
  <button type="button" id="triangle" onclick="triangle()">
    Triangle
  </button>
</p>
<script type="text/javascript">
  function circle(){
    var ctx=document.getElementById("one").getContext("2d");
    ctx.fillStyle='#000000';
    ctx.fillRect(0,0,400,400);
    ctx.strokeStyle='#FFFFFF';
    ctx.arc(200,200,100,0,2*Math.PI);
    ctx.stroke();
  }
  function square(){
    var ctx=document.getElementById("one").getContext("2d");
    ctx.fillStyle="#000000";
    ctx.fillRect(0,0,400,400);
    ctx.strokeStyle='#FFFFFF';
    ctx.moveTo(100,100);
    ctx.lineTo(100,300);
    ctx.lineTo(300,300);
    ctx.lineTo(300,100);
    ctx.lineTo(100,100);
    ctx.stroke();
  }

  function triangle(){
    var ctx=document.getElementById("one").getContext("2d");
    ctx.fillStyle='#000000';
    ctx.fillRect(0,0,400,400);
    ctx.strokeStyle='#FFFFFF';
    ctx.moveTo(200,100);
    ctx.lineTo(300,300);
    ctx.lineTo(100,300);
    ctx.lineTo(200,100);
  }
</script>
```

```

        ctx.stroke();
    }
</script>
</body>
</html>

```

The screenshot shows the Visual Studio Code editor with a file named 'two.html'. The code is as follows:

```

1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Two</title>
5   <style type="text/css">
6     button{
7       width:125px;
8     }
9     button:onclick{
10      color: black;
11    }
12  </style>
13 </head>
14 <body>
15   <canvas height="400" width="400" id="one"></canvas>
16   <p>
17     <button type="button" id="circle" onclick="circle()">
18       Circle
19     </button>
20     <button type="button" id="square" onclick="square()">
21       Square
22     </button>
23     <button type="button" id="triangle" onclick="triangle()">
24       Triangle
25     </button>
26   </p>
27   <script type="text/javascript">
28     function circle(){
29       var ctx=document.getElementById("one").getContext("2d");
30       ctx.fillStyle="#000000";

```

The screenshot shows the Visual Studio Code editor with the same file 'two.html'. The code continues with the JavaScript functions for drawing shapes on the canvas:

```

33   ctx.fillRect(0,0,400,400);
34   ctx.strokeStyle="#FFFFFF";
35   ctx.arc(200,200,100,0,2*Math.PI);
36   ctx.stroke();
37 }
38 function square(){
39   var ctx=document.getElementById("one").getContext("2d");
40   ctx.fillStyle="#000000";
41   ctx.fillRect(0,0,400,400);
42   ctx.strokeStyle="#FFFFFF";
43   ctx.moveTo(100,100);
44   ctx.lineTo(100,300);
45   ctx.lineTo(300,300);
46   ctx.lineTo(300,100);
47   ctx.lineTo(100,100);
48   ctx.stroke();
49 }
50
51 function triangle(){
52   var ctx=document.getElementById("one").getContext("2d");
53   ctx.fillStyle="#000000";
54   ctx.fillRect(0,0,400,400);
55   ctx.strokeStyle="#FFFFFF";
56   ctx.moveTo(200,100);
57   ctx.lineTo(300,300);
58   ctx.lineTo(100,300);
59   ctx.lineTo(200,100);
60   ctx.stroke();
61 }
62
63 </script>

```

Use JavaScript to validate the information entered in the registration form. If all fields are valid, display the entered information in browser when user clicks submit button.

## Reservation Request

General Information

Arrival Date

dd / mm / yyyy

Invalid year

Nights

Nights must be a number

Adult

Children

Preferences

Room Type:

☐ Standard ☐ Business ☐ Suite

Bed Type:

☐ King ☐ Double

Smoking:

☐ Standard

Contact Information

Name:

Name is required

Email:

empty email

Telephone:

Phone number is invalid

Submit

Html code:-

```
<!DOCTYPE html>
<html>
<head>
  <title>

  </title>
  <link rel="stylesheet" type="text/css" href="one.css">
  <script src="one.js" type="text/javascript">
  </script>
</head>
<body>
  <h1>Reservation Request</h1>
  <form>
    <fieldset>
      <legend>General Information</legend>
      <p class="error">
        <span class="in">Arrival Date</span>
        <input type="date" id="date">
        <span id="errordate"></span>
      </p>
      <p class="error">
```

```

        <span class="in">Nights</span>
        <input type="number" id="nights">
        <span id="errornight"></span>
    </p>
    <p class="error">
        <span class="in">Adult</span>
        <input type="number" id="adults">
        <nav class="error">
        <span class="erroradults"></span>
        </nav>
    </p>
    <p class="error">
        <span class="in">Children</span>
        <input type="number" id="children">
        <span class="errorchildren"></span>
    </p>
</fieldset>

<fieldset>
    <legend>Preferences</legend>
    <p>
        <span class="in">Room Type:</span>
        <input type="radio" class="radio" name="">Standard
        <input type="radio" class="radio" name="">Business
        <input type="radio" class="radio" name="">Suite
    </p>
    <p>
        <span class="in">Bed Type:</span>
        <input type="radio" class="radio" name="">King
        <input type="radio" class="radio" name="">Double
    </p>
    <p>
        <span class="in">Smoking:</span>
        <input type="radio" class="radio" name="">Standard
    </p>
</fieldset>

<fieldset>
    <legend>Contact Information</legend>
    <p class="error">
        <span class="in">Name:</span>
        <input type="text" id="name">
    </p>

```

```

        <span id="errorname"></span>
    </p>
    <p class="error">
        <span class="in">Email:</span>
        <input type="email" id="emailid">
        <span id="erroremail"></span>
    </p>
    <p class="error">
        <span class="in">Telephone:</span>
        <input type="tel" id="telephone">
        <span id="errortelephone"></span>
    </p>
    <p>
        <button type="button" onclick="validate()">Submit</button>
    </p>
</fieldset>
</form>
</body>
</html>

```

CSS Code:-

```

.in{
    width:130px;
    float:left;
}
#in1{
    width:50px;
}
input.radio{
    width:40px;
}
input{
    width:140px;
    border-radius: 2px;
}
input:hover{
    color:blue;
}
.error{
    color:red;
}

```

```
.in{  
    color:rgb(124,30,111);  
}
```

```
legend{  
    color:blue;  
}
```

**JS Code:-**

```
function validate(){  
  
    var arrivaldate=document.getElementById("date").value;  
    var enteredyear=Number(arrivaldate.substring(0,4));  
    var actualyear=new Date().getFullYear();  
    if(enteredyear<actualyear){  
        document.getElementById("errordate").innerHTML="Invalid year";  
    }  
  
    var nights=document.getElementById("nights").value;  
    regex=/^[0-9]+$/;  
    if(regex.test(nights))  
    {  
        document.write("corret");  
    }  
    else{  
        document.getElementById("errornight").innerHTML="Nights must be a number";  
    }  
  
    var a=document.getElementById("name").value;  
    if(a==""){  
        document.getElementById("errorname").innerHTML="Name is required";  
    }  
    var email=document.getElementById('emailid').value;  
    if(email==""){  
        document.getElementById('erroremail').innerHTML="empty email";  
    }  
    else{  
        var erroremailmsg="email is invalid"  
        var a=document.getElementById('emailid').value;  
        var l=a.indexOf("@");
```

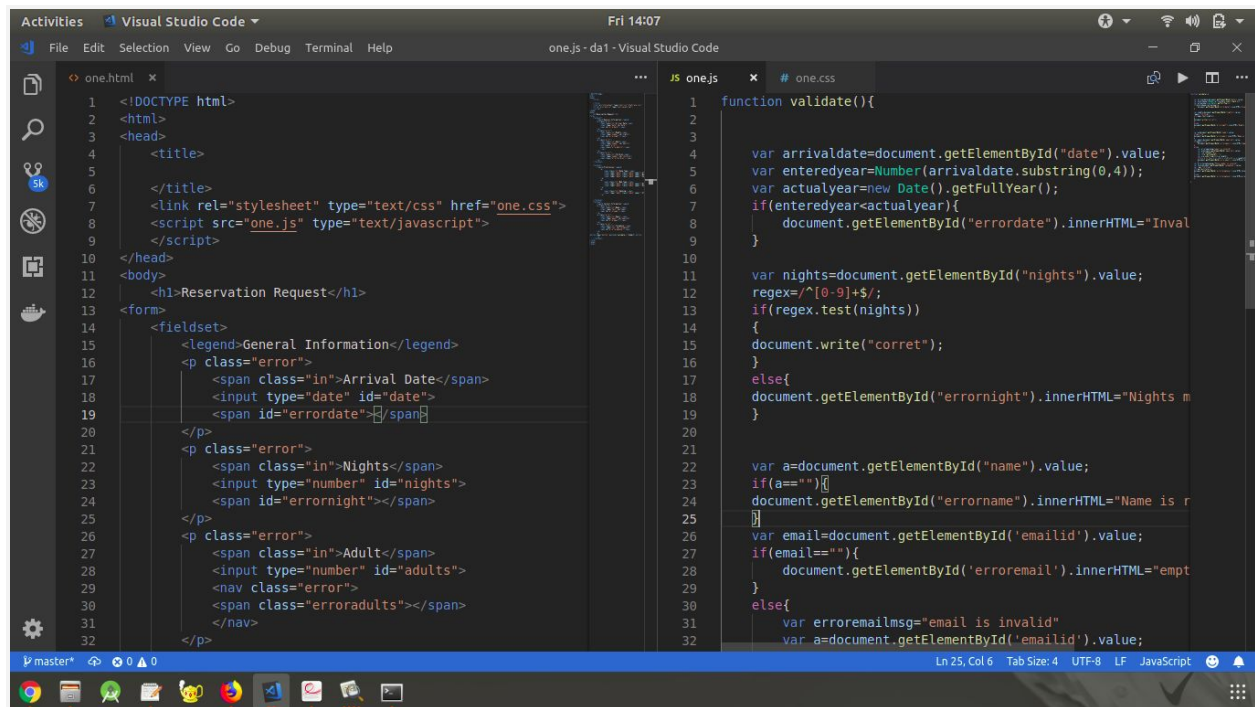
```

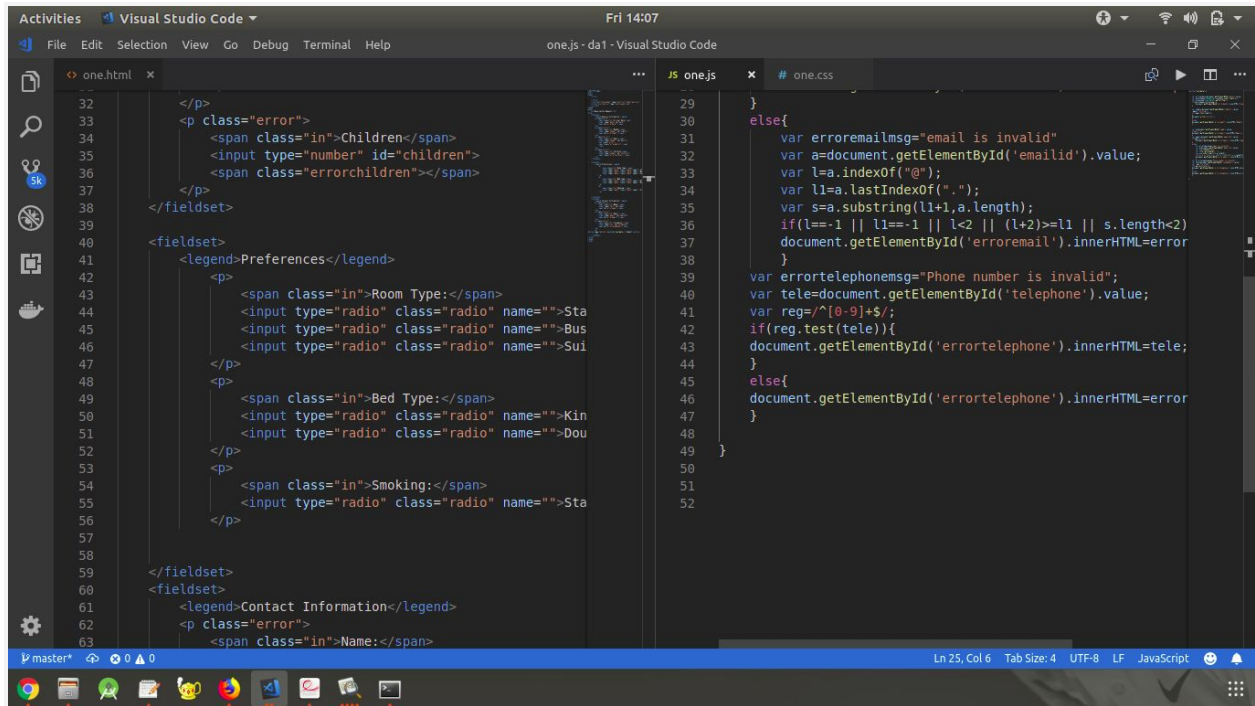
        var l1=a.lastIndexOf(".");
        var s=a.substring(l1+1,a.length);
        if(l== -1 || l1== -1 || l<2 || (l+2)>=l1 || s.length<2)
            document.getElementById('erroremail').innerHTML=erroremailmsg;
        }

        var errortelephonemsg="Phone number is invalid";
        var tele=document.getElementById('telephone').value;
        var reg=/^[0-9]+$;/
        if(reg.test(tele)){
            document.getElementById('errortelephone').innerHTML=tele;
        }
        else{
            document.getElementById('errortelephone').innerHTML=errortelephonemsg;
        }
    }
}

```

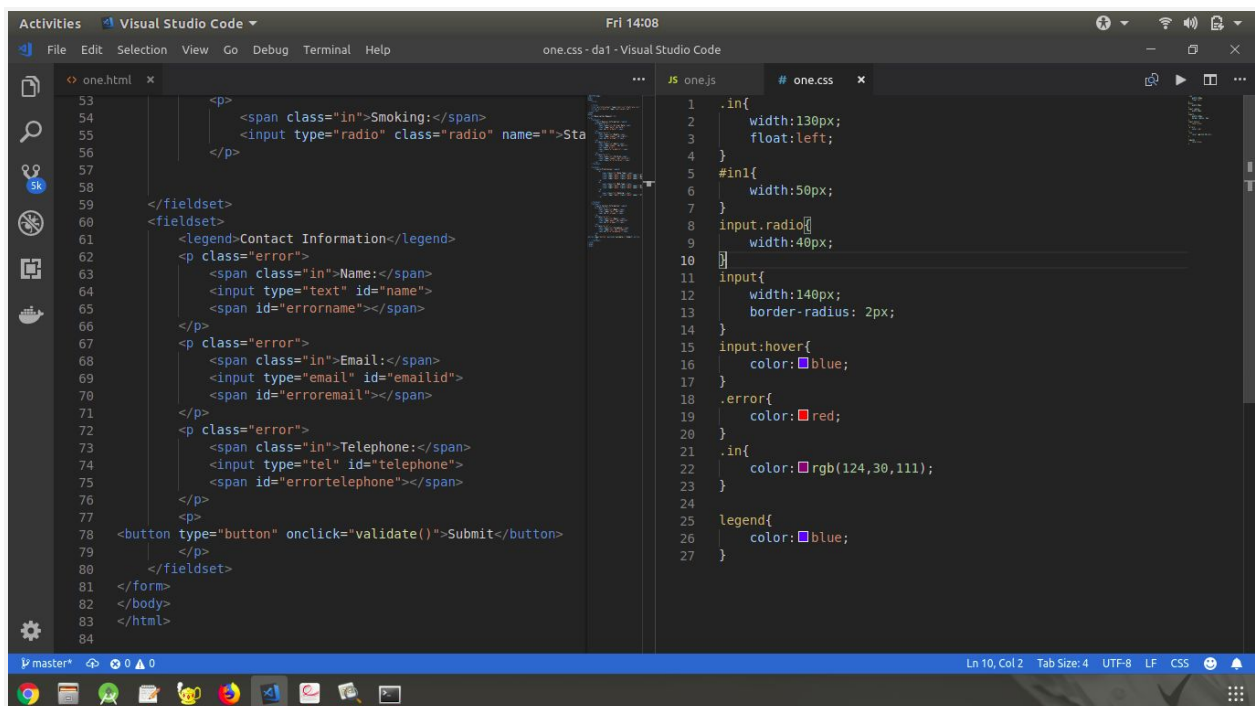
## HTML+JS





This screenshot shows the Visual Studio Code editor with two files open: `one.html` and `one.js`. The `one.html` file contains HTML code for a form with several fieldsets. The first fieldset has an error message and a children input. The second fieldset has a legend 'Preferences' and radio buttons for Room Type, Bed Type, and Smoking. The third fieldset has a legend 'Contact Information' and a name input. The `one.js` file contains JavaScript code for form validation, including email and phone number checks. The status bar at the bottom indicates 'Ln 25, Col 6', 'Tab Size: 4', 'UTF-8', 'LF', and 'JavaScript'.

## CSS Screenshot (With HTML):-



This screenshot shows the Visual Studio Code editor with three files open: `one.html`, `one.js`, and `one.css`. The `one.html` file shows the continuation of the form, including a submit button. The `one.css` file contains CSS rules for styling the form elements, such as widths, float, border-radius, and colors for error messages and legends. The status bar at the bottom indicates 'Ln 10, Col 2', 'Tab Size: 4', 'UTF-8', 'LF', and 'CSS'.

The link to the total files for programs and pictures can be found here:-



<https://drive.google.com/open?id=1yKFjVz6FQVkuFn1NyKmG3CoLZWgZ3D-m>