

JAYANTHI T
1817119-CSE

INTRODUCTION TO WEB TECHNOLOGY :

ASSIGNMENT 2 (Javascript):

1) Form validation using js:

Program :

```
<!DOCTYPE html>
<html>
  <head>
    <title>1817119-WT Assignment 2</title>
    <link href='https://fonts.googleapis.com/css?family=Nosifer'
rel='stylesheet'>
    <style type="text/css">
      body{
        font-family: 'Nosifer';
      }
      table{
        align-content: center;
        float: center;
        margin: 0px 200px 0px 390px;
        background-color:white;
        border: 1px solid blue;
        padding-left: 800px;
      }
      td
      {
        padding: 10px;
        color: blue;
        font-size: 2rem;
```

```

        font-family: "Work Sans", sans-serif;
        font-weight: 600;
        color: black;
        font-weight: bold;
        margin: -1rem 0 1.2rem 0;
    }

</style>
<script>
function validate1(){
    var dateofbirth = document.getElementById("date");
    var dob = dateofbirth.value.split('/');
    var d = dob[0];
    var m = dob[1];
    var y = dob[2];
    age.value = 2020 - y
}

function validate(){
    errors = [];
    var status = true;
    var n = document.myform.fname.value;
    var e = document.myform.email.value;
    var age = document.myform.age.value;
    var file = document.myform.myFile.value;
    var dateofbirth = document.getElementById("date");
    var dob = dateofbirth.value.split('/');
    var dd = dob[0];
    var mm = dob[1];
    var yy = dob[2];

    var atpos = e.indexOf("@");
    var dotpos = e.lastIndexOf(".");
    if(n == null || n === ""){
        errors.push('Name must be filled out!');
    }
}

```

```

    }

    if(e === ""){
        errors.push("Enter your Email!");
    }
    else{

        if(atpos<1||atpos+2>dotpos||e.length<=dotpos+2)
        {
            errors.push("Invalid E-mail address!It should be in format of
XXXXXXXX@XXXX.XXX");
        }
    }
    if(date.value === ""){
        errors.push("Date Of Birth is mandatory!");
    }

    if(age === ""){
        errors.push("Age is required!");
    }
    if(file === ""){
        errors.push("Upload your photo!");
    }

    else{

        if (dob.length!= 3) {
            errors.push("Please enter Date Of Birth in (dd/mm/yyyy)
format");
        }
        else {
            if ((mm == 4 || mm == 6 || mm == 9 || mm == 11) && dd > 30) {

```

```

        errors.push("Please enter Day less than equal to 30");
        return false;
    }
    if ((mm == 1 || mm == 3 || mm == 5 || mm == 7 || mm == 8 || mm
== 10 || mm == 12) && dd > 31) {
        errors.push("Please enter Day less than equal to 31");
        return false;
    }
    if (mm == 2) {
        var lyear = false;
        if ((!(yy % 4) && yy % 100) || !(yy % 400)) {
            lyear = true;
        }
        if ((lyear == false) && (dd >= 29)) {
            errors.push('Invalid date format in February!');
            return false;
        }
        if ((lyear == true) && (dd > 29)) {
            errors.push('Invalid date format in February!');
            return false;
        }
    }
    if (parseFloat(dob[1]) > 12) {
        errors.push("Please enter Month less than equal to 12");
        return false;
    }
    if (dob[2].length != 4) {
        errors.push("Please enter Year in Four Digit (yyyy)");
        return false;
    }
}
}
}

```

```

if(errors.length>0)
{

```

```

        var msg="ERRORS!!Please correct the following and Submit\n\n";
        for(i=0;i<errors.length;i++)
        {
            msg+=errors[i]+'\\n';
        }
        alert(msg);
        return status=false;
    }
    return status;
}

```

```

</script>
</head>

```

```

<body style="background-image:
url('https://image.freepik.com/free-photo/creative-pinwheel-beautiful-paper-flo
wer-corner-plain-background_23-2148188413.jpg');width: 100%;height: 100%;
background-size: cover; background-repeat: no-repeat;">

```

```

<h1 align="center" style="color:blue">FORM VALIDATION</h1>
    <form name = "myform" method= "post" action ="register.html"
onsubmit = "return validate(this)">
        <table align="center" style="padding: 10px;opacity:
0.5;border-radius: 50px;border: 3px solid blue ">
            <tr>
                <td>
                    Name :
                </td>
                <td>
                    <input style=" border-bottom: 0.2rem solid blue;"
placeholder="Enter your name" type = "text" id="name" name="fname">
                </td>
            </tr>
            <tr>
                <td>
                    Password :
                </td>

```

```

        <td>
            <input style=" border-bottom: 0.2rem solid blue;"
type="password" id="psw" name="psw"placeholder="Enter your password"
pattern="(?=.*\d)(?=.*[a-z])(?=.*[A-Z]).{8,}" title="Must contain at least one
number and one uppercase and lowercase letter, and at least 8 or more
characters" required>
        </td>
    </tr>
    <tr>
        <td>
            Email :
        </td>
        <td>
            <input style=" border-bottom: 0.2rem solid blue;"
placeholder="Enter your Email" type = "text" id = "mail" name = "email">
        </td>
    </tr>
    <tr>
        <td>
            Date of Birth :
        </td>
        <td>
            <input style=" border-bottom: 0.2rem solid blue;" type =
"text" placeholder="dd/mm/yyyy" id ="date" name = "db">
        </td>
    </tr>
    <tr>
        <td>
            Age :
        </td>
        <td>
            <input style=" border-bottom: 0.2rem solid blue;" type =
"number" id ="age" name = "age" placeholder="Enter your age"
onmouseover="validate1(this)">
        </td>
    </tr>

```

```

        <tr><td> Upload Photo : </td>
        <td>
            <input type="file" style=" border-bottom: 0.2rem solid blue;"
id="myFile" name="Upload Photo">

        </td>
    </tr>
    <tr>
        <td>
            <input style="background: white;padding: 10px;width:
100px;border-radius: 20px;color: white;font-weight: bold;background: blue"
onclick="validateName(this)" type ="submit" value = "SUBMIT">
        </td>
        <td>
            <input style="background: white;padding: 10px;width:
100px;border-radius: 20px;color: white;font-weight: bold;background: blue"
type ="reset" value = "RESET">
        </td>
    </tr>
</table>
</form>
</body>
</html>

```

Program(When form is submitted successfully,the following code executes) :

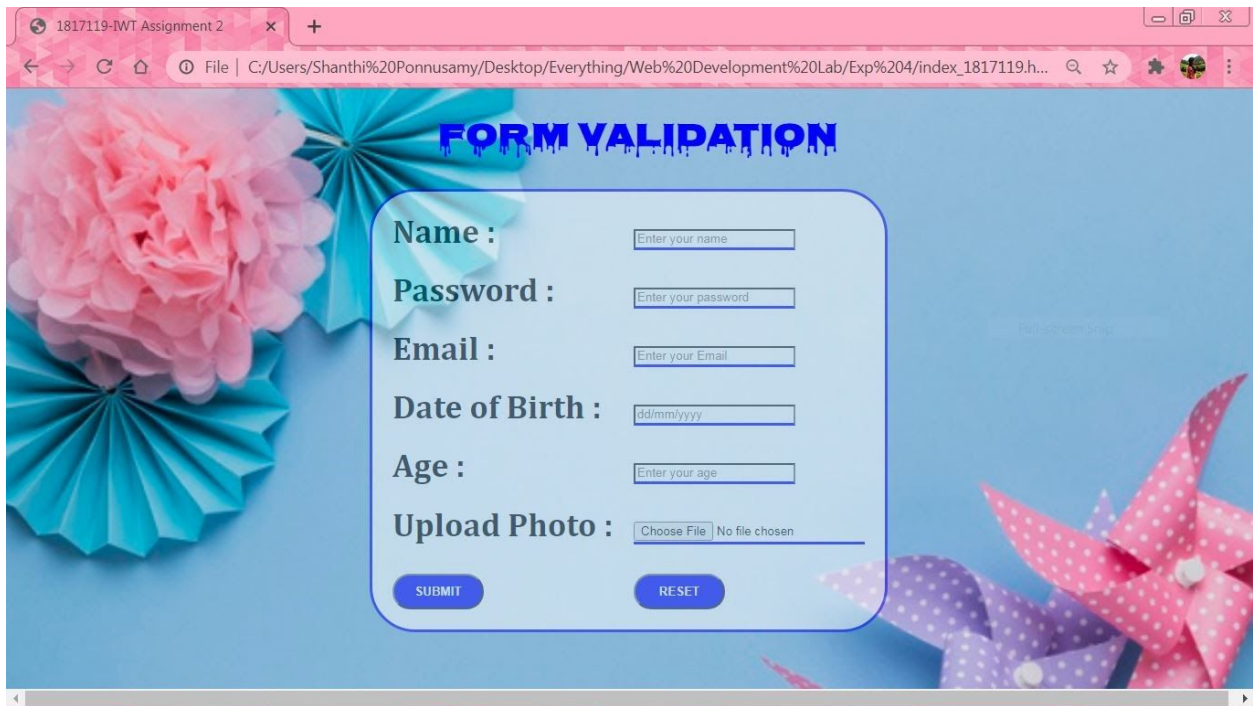
```

<!DOCTYPE html>
<html>
<head>
    <title>Register</title>
</head>
<body>
    <h1>You have submitted Successfully!!!</h1>

</body>
</html>

```

Output :



FORM VALIDATION

Name :

Password :

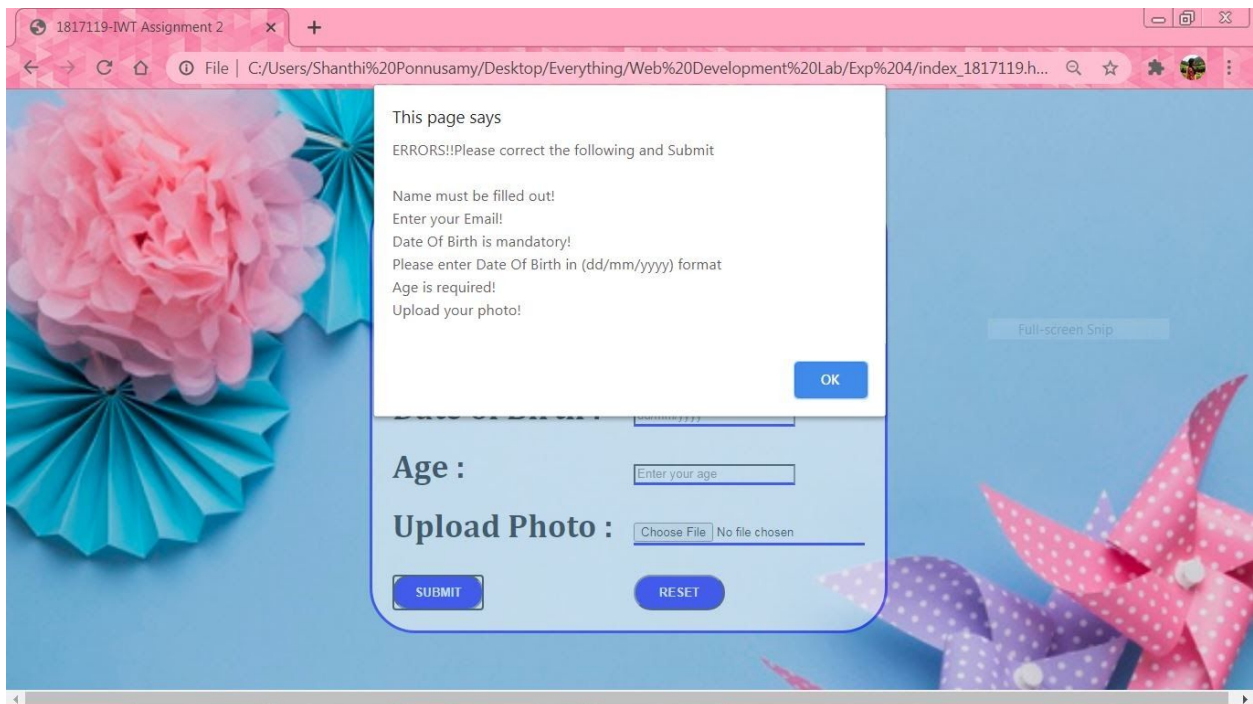
Email :

Date of Birth :

Age :

Upload Photo : No file chosen

Nothing is entered here.



This page says

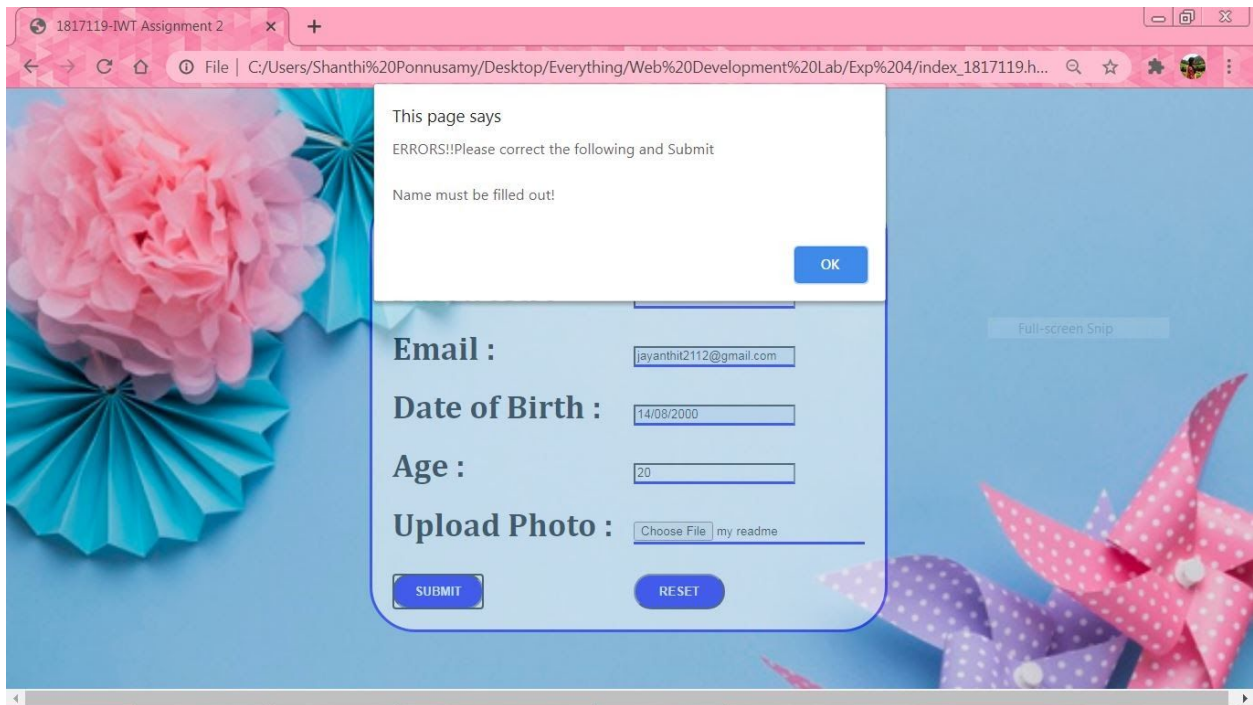
ERRORS!!Please correct the following and Submit

Name must be filled out!
Enter your Email!
Date Of Birth is mandatory!
Please enter Date Of Birth in (dd/mm/yyyy) format
Age is required!
Upload your photo!

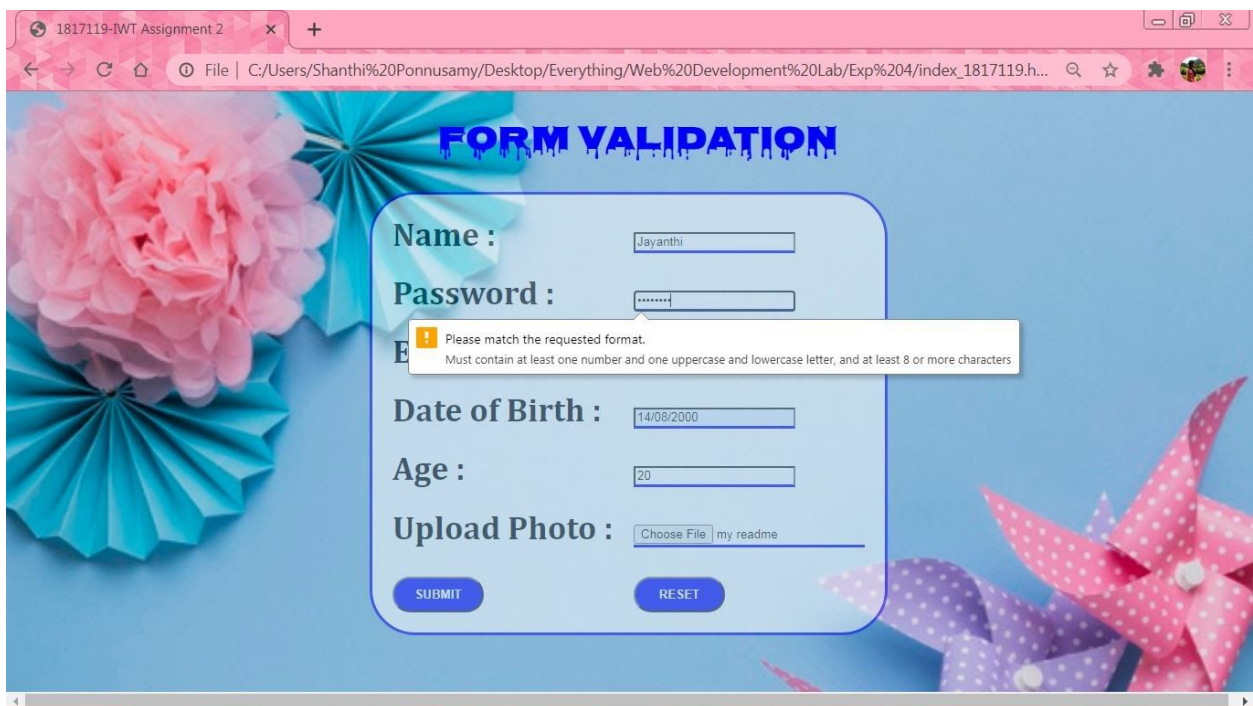
Age :

Upload Photo : No file chosen

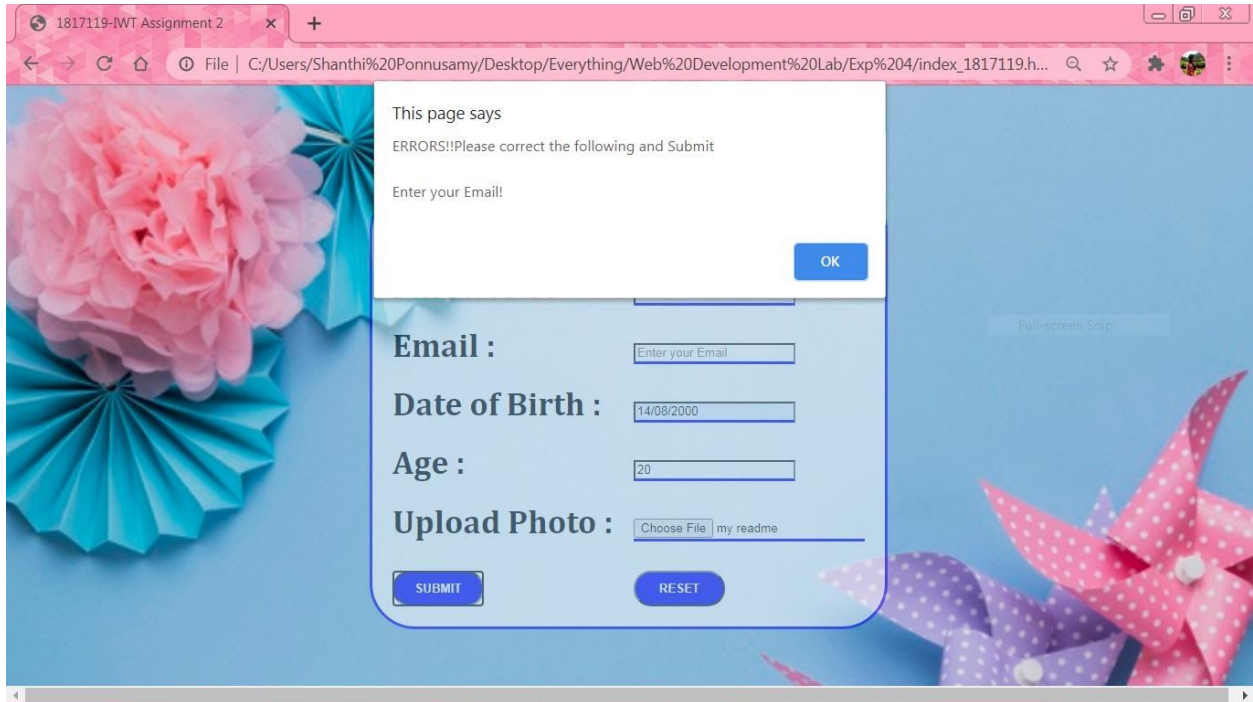
When we click submit without entering any data,it shows the alert message like this.



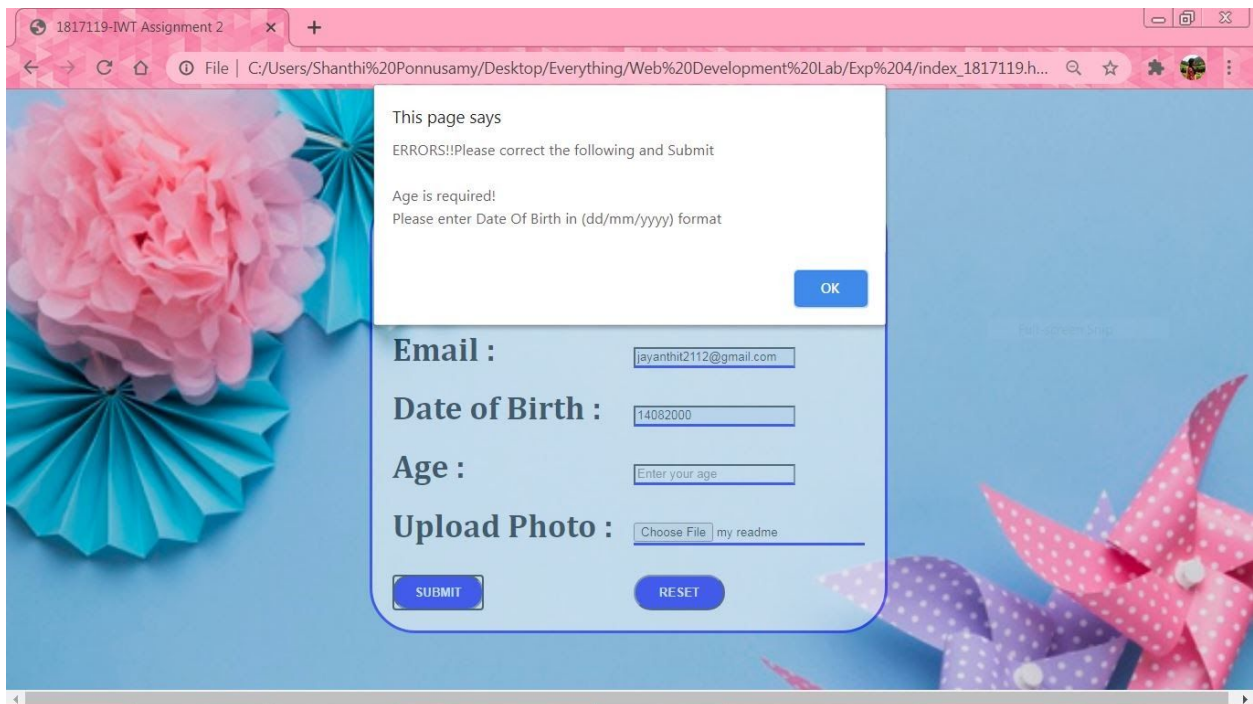
Everything was entered except the name field,so it shows the alert message “Name must be filled out!”



Password was not entered correctly with all the conditions,so it shows the error message like this.



Email was not entered while submitting,so it shows the alert message.



Here the DOB is not entered in dd/mm/yyyy format. As it was not in the correct format, age is not autofilled.

FORM VALIDATION

Name :

Password :

Email :

Date of Birth :

Age :

Upload Photo : [my readme](#)

Here all the fields are entered correctly. And the age is autofilled according to the DOB.

Register

File | C:/Users/Shanthi%20Ponnusamy/Desktop/Everything/Web%20Development%20Lab/Exp%204/register.html

You have submitted Successfully!!!

Full-screen Snip

As all the fields are entered correctly, the form is submitted successfully .

2) Program :

```
<!DOCTYPE html>
<html>

<head>
  <title>
    1817119-JWT Assignment 2
  </title>

  <script src=
    "https://code.jquery.com/jquery-1.12.4.min.js">

    </script>
  </head>

  <body style="text-align:center;background:black ">
    <script type="text/javascript">
      function displayQuote() {
        document.getElementById("sen1").innerHTML = "Government College of
        Technology";
        document.getElementById("sen2").innerHTML = "Coimbatore";
      }

    </script>

    <h1 style = "color:#00ffd5;text-shadow: 2px 2px blue;" >
      Javascript
    </h1>
    <div class="box">
      <div> <img style="border-radius:15px 15px 15px 15px;
```



```
box-shadow: 5px 5px 5px yellow; " src=
"https://silly-davinci-2c798a.netlify.app/gct.jpeg"
id="geeks" GFG="250" height="350px" width="350px"
alt="Geeksforgeeks" onmouseover="displayQuote()">
```

```
<h3 style="top:100px;margin-left: 520px;color:white;text-shadow: 2px
2px green;
```

```
margin-right: auto;position:absolute" id="sen1"></h3>
```

```
<h3 style="top:130px;margin-left: 630px;color:white;text-shadow:2px
2px green;
```

```
margin-right: auto;position:absolute" id="sen2"></h3>
```

```
</div>
```

```
</div>
```

```
<button align="center" type="button" style=" background-color: green;
/* Green */
```

```
border: none;
```

```
color: white;
```

```
padding: 20px;
```

```
text-align: center;
```

```
font-weight: bold;
```

```
text-decoration: none;
```

```
display: inline-block;
```

```
font-size: 16px;
```

```
margin: 4px 2px;
```

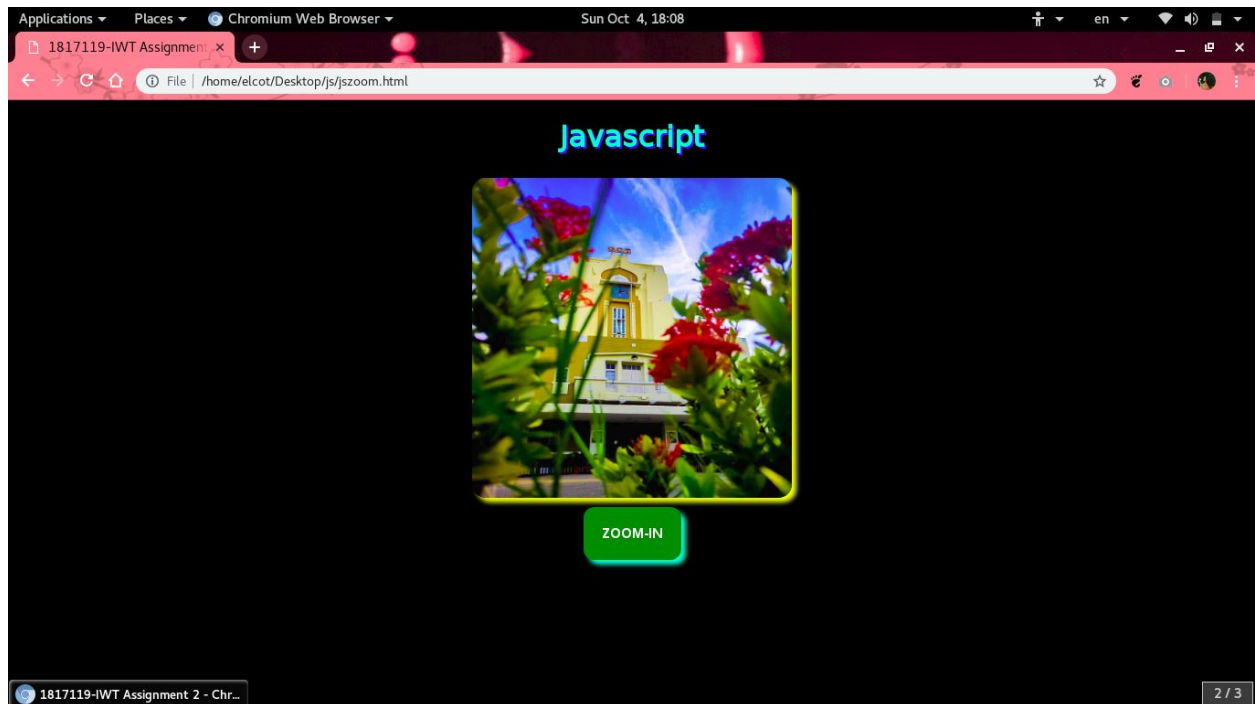
```
cursor: pointer;
```

```
box-shadow: 5px 5px 5px #00ffd5;
```

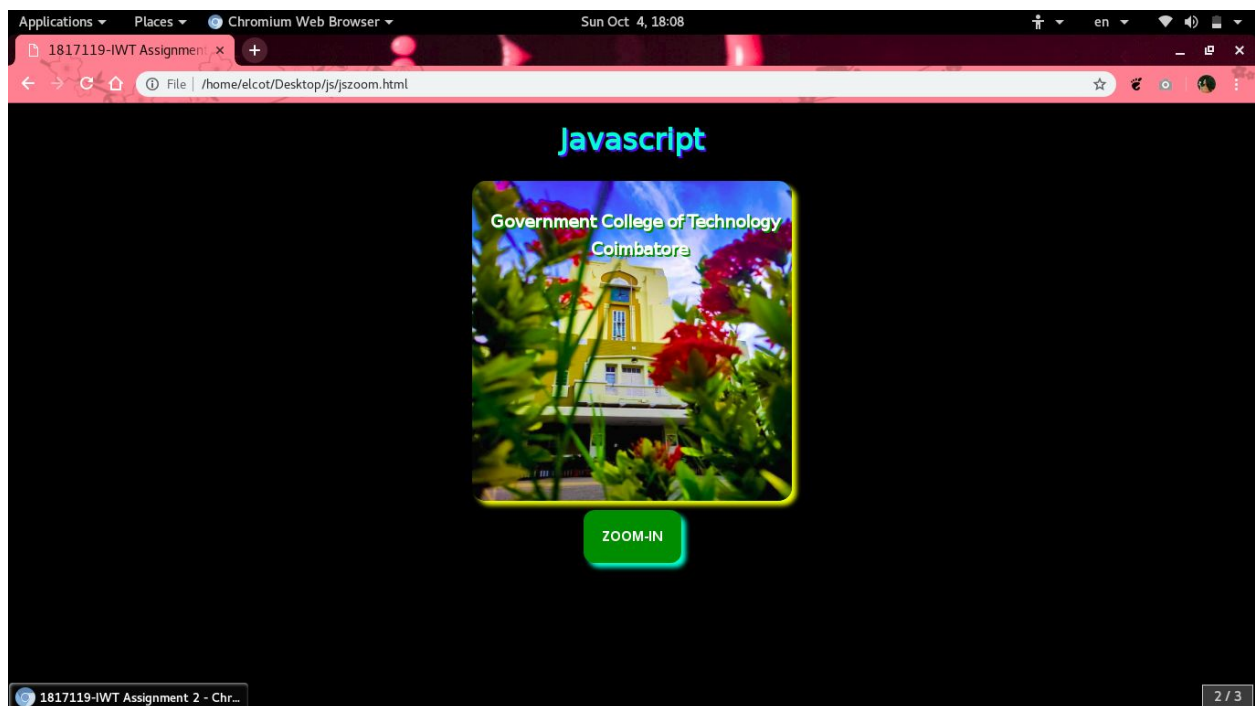
```
border-radius: 12px;" onclick="zoomin()">  
    ZOOM-IN  
</button>
```

```
<script type="text/javascript">  
    function zoomin() {  
        var GFG = document.getElementById("geeks");  
        var currWidth = GFG.clientWidth;  
        var currHeight = GFG.clientHeight;  
        GFG.style.width = (currWidth + 500) + "px";  
        GFG.style.height = (currHeight + 500) + "px";  
  
    }  
  
</script>  
</body>  
  
</html>
```

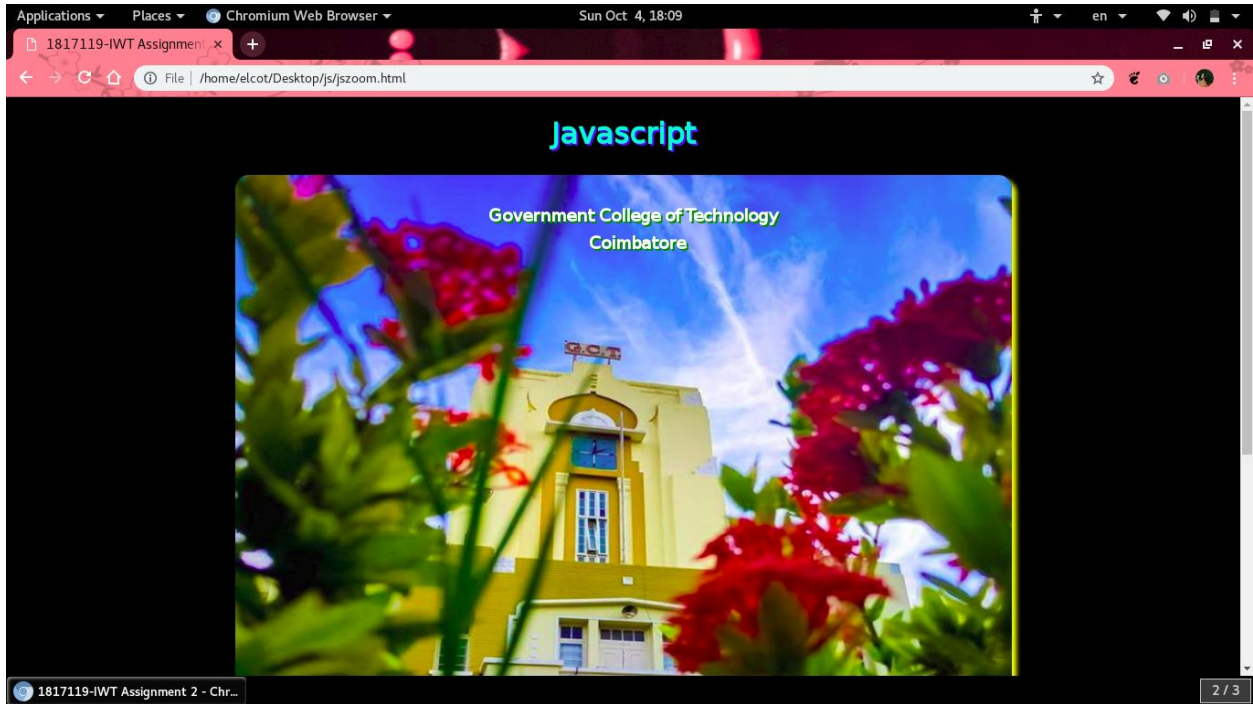
Output :



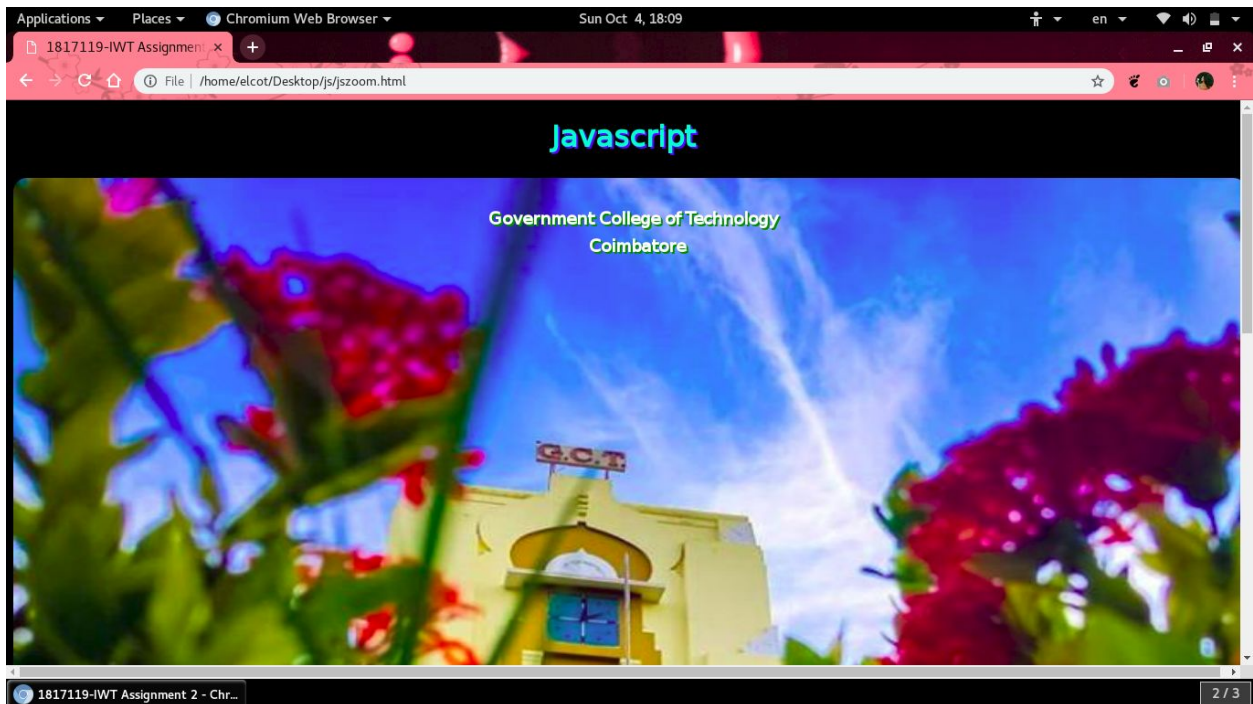
Output of page when loaded.



When mouseover, the text is displayed on the image.



Output of the image when the zoom in button is clicked .



Further zoomed in when the zoom in button is clicked and the zoom process repeats whenever the zoom in button is clicked.

