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Git-Hub Link: https://github.com/garvit-joshi/INT-219-Project

Set-C

Q1. Create an HTML form for booking appointment with doctor. Perform JavaScript validation on all fields. The user must be alerted each time a field is left blank. Also add a relevant full background image to the body. [10]

Code:

Index.html

```html
<html>
<head>
<title>assignment</title>
<link rel="stylesheet" href="style1.css">
</head>
<body>
<div id="content">
<form name="RegForm"  onsubmit="return VALIDATE()" method="post"><fieldset style="border:2px  ">
<h1>Book Appointment</h1><br>
<hr>
<input type="text" id="Funame" placeholder="ENTER FULL NAME" name="Fname" required><br>
<input type="text" id="contact" placeholder="ENTER MOBILE NUMBER" name="mobile" required><br>
<input type="text" id="email" placeholder="ENTER EMAIL" name="email" required><br>
<input type="text" id="add" placeholder="ENTER ADDRESS" name="add" required><br>
<h3>Address Details</h3>
<input type="text1" id="area" placeholder="ENTER AREA" name="area" required>
<input type="text2" id="city" placeholder="ENTER CITY" name="city" required><br>
<input type="text3" id="state" placeholder="ENTER STATE" name="state" required>
<input type="text4" id="code" placeholder="ENTER POSTAL CODE" name="code"required><br>
<input type="submit" value="BOOK APPOINTMENT">
<script>
function VALIDATE()
```

```javascript
{

    var val = document.getElementById('Funame').value;

var regName = /^[a-zA-Z]+ [a-zA-Z]+$/;
var name = document.getElementById('Funame').value;
if(!regName.test(name)){
    alert('Invalid name given.');
}
    var contact = document.getElementById('contact').value;
    if(isNaN(contact)){
                    alert("Contact should be number only");
                    return false;
                }

            var x = document.getElementById('email').value;
             var atposition=x.indexOf("@");
var dotposition=x.lastIndexOf(".");
if (atposition<1 || dotposition<atposition+2 || dotposition+2>=x.length){
  alert("Please enter a  valid e-
mail address \n atpostion:"+atposition+"\n dotposition:"+dotposition);
  return false;
  }

  var code = document.getElementById('code').value;
    if(isNaN(code)){
                    alert("postal code must be numeric");
                    return false;
                }
    }
</script>


</form>
</div>
</body>
</html>
```

style1.css

```css
*{
padding:0;
margin:0;
}
body{

  background-image: url(Doctor.png);
  background-size:cover;
```

```css
    font-size:medium;
    background-position:center;

}

form {
    margin: 0 auto;
    width: 600px;
    padding:50px;

}

input[type=text] {
  border: 2px solid black;

  width: 70%;

  color: black;
    padding: 12px 40px;
 margin: 8px 90px;
}
input[type=submit] {
  border: 2px grey;
  border-radius: 4px;
  color:white;
  background-color:black;
  width:70%;
    padding: 16px 32px;
   margin: 8px 90px;

}
fieldset{
  background-color:white;
}
h3{
  margin:8px 90px;
}


h1{
  margin:8px 90px;
}
input[type=text1] {

  width: 35%;
   padding: 16px 32px;


   margin:8px 90px;
```

```css
      border: 2px solid black;
   color: black;



}
input[type=text2] {

  width:200px;
   padding: 16px 10px;

  color: black;
  margin:-85px ;
    border: 2px solid black;
  color: black;



}
input[type=text3] {

  width: 35%;
   padding: 16px 32px;


   margin:8px 90px;
    border: 2px solid black;
  color: black;



}
input[type=text4] {

  width:200px;
   padding: 16px 10px;

  color: black;
  margin:-85px ;
    border: 2px solid black;
  color: black;



}
```
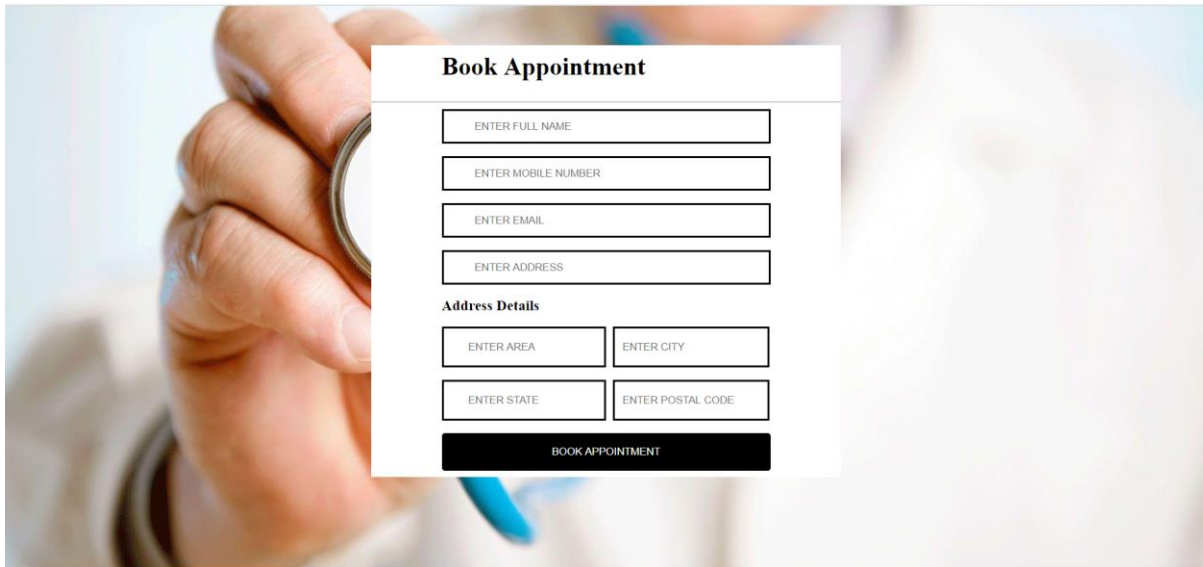**Screenshot:**

Q2. Using external CSS, design a responsive web page using media query for a hospital. Also include a relevant full background image, a menu bar and few images along with description related to hospitals or equipment in order to depict the theme of the web page.

Code:

Index.html

```html
<!DOCTYPE html>
<html>
<head>
    <title>Assingment1</title>
    <link rel="stylesheet" type="text/css" href="index1.css">
    <script src="https://kit.fontawesome.com/5d5dfc09c0.js" crossorigin="anony
mous"></script>
    <link href="https://fonts.googleapis.com/css2?family=Raleway:wght@300&disp
lay=swap" rel="stylesheet">
    <meta name="viewport" content="width=device-width, initial-scale=1">
</head>
<body class="body1">
    <header class="head1">
        <nav class="nav1">
            <span id="span1">Home</span>
            <span id="span1">About</span>
                <a href="#p2" style="text-
decoration: none;"><span id="span1">Contact</span></a>
            <select id="select1">
                <option>Service</option>
                <option>primary care</option>
                <option>mental health </option>
                <option>drug treatment</option>
                <option>dental services</option>
                <option>heart dieases</option>
            </select>
```

```html
        </nav>
        <hr>
    </header>
<main class="class1">
<section class="sec1">

            <div class="place-wrapper">
                <img id="image1" src=https://images.unsplash.com/photo-
1512678080530-7760d81faba6?ixlib=rb-
1.2.1&ixid=eyJhcHBfaWQiOjEyMDd9 alt="hospital bed near couch" >
                <br>
                    <p id="p5"> hospital bed near couch</p>
                    <p id="p6">A hospital bed or hospital cot is a bed spe
cially designed for hospitalized patients or others in need of some form of he
alth care. These beds have special features both for the comfort and well-
being of the patient and for the convenience of health care workers.</p>
            </div>
            <div class="place-wrapper">

                <img  id="image1"src="https://static01.nyt.com/images/2020
/03/17/business/00VIRUS-VENTILATORS-01/00VIRUS-VENTILATORS-01-
mediumSquareAt3X.jpg" alt="00VIRUS-VENTILATORS-01" >
                <br>
                    <p id="p5"> Ventilator</p>
                    <p id="p6">A ventilator is a machine that provides mecha
nical ventilation by moving breathable air into and out of the lungs, to deliv
er breaths to a patient who is physically unable to breathe, or breathing insu
fficiently</p>
            </div>
            <div class="place-wrapper">
                <img  id="image1" src="https://www.hospitalmanagement.net/
wp-content/uploads/sites/13/2017/10/1-main-1.jpg" alt="MRI Machine" >
                    <p id="p5"> MRI Machine</p>
                    <p id="p6">Search ResultsFeatured snippet from the web M
agnetic Resonance Imaging (MRI) is a medical test that is used to make picture
s of organs and structures inside the body using a magnetic field and pulses o
f radio wave energy. MRI gives different information about body structures tha
t can be seen with an X-ray, ultrasound, or CT scan (computed tomography)</p>
            </div>

             <div class="place-
wrapper"><img  id="image1" src="https://media.istockphoto.com/photos/black-
stethoscope-on-blue-background-picture-
id1179610553?k=6&m=1179610553&s=612x612&w=0&h=v6Wj8AcJx6YppS-
ulxEx_g4dihKHCFQv3qEht7aLIOE=" alt="Stethoscope" >
```

```html
                    <p id="p5"> Stethoscope</p>
                    <p id="p6">The stethoscope allows the practitioner to assess
 a patient's cardiac, respiratory and intestinal state and is an integral tool
 in professional nursing practice. It is used to listen (auscultation) to the
body's sounds during a physical examination and assessment</p>
                </div>
                <div class="place-wrapper">
                    <img  id="image1"src="https://upload.wikimedia.org/wikiped
ia/commons/thumb/0/0a/Xraymachine.JPG/1200px-
Xraymachine.JPG" alt="Radiography" >
                        <p id="p5">Radiography</p>
                        <p id="p6">X-
ray, or radiography, is used to diagnose fractured bones, detect injury or inf
ection, or to locate foreign objects in soft tissue. Some x-
ray exams employ an iodine-
based contrast material to clarify the visibility of specific organs like the
heart, lungs, blood vessels or tissues</p>
                </div>
                <div class="place-wrapper">
                    <img id="image1" src="https://image.made-in-
china.com/2f0j00zSUtAIvnYRru/Medical-Xray-Machine-for-Sale-X-Ray-Machines-X-
ray-Digital-Equipment.jpg" alt="X-ray" >
                        <p id="p5">X-ray machine</p>
                        <p id="p6">X-
rays are highly penetrating, ionizing radiation, therefore X-
ray machines are used to take pictures of dense tissues such as bones and teet
h. This is because bones absorb the radiation more than the less dense soft ti
ssue. X-
rays from a source pass through the body and onto a photographic cassette</p>
                </div>

                <div class="place-wrapper">
                    <img id="image1" src="https://s3-eu-west-
1.amazonaws.com/wbm.thumbnail/dissolve/1200/851840.jpg" alt="operation threate
r" >
                        <p id="p5"> Operation theater</p>
                        <p id="p6">An operating theater (also known as an operat
ing room (OR), operating suite, or operation suite) is a facility within a hos
pital where surgical operations are carried out in an aseptic environment. ...
 There are only two old-
style operating theaters left, both of which are preserved as part of museums.
</p>

                </div>
                <div class="place-wrapper">
                    <img id="image1" src="https://3.imimg.com/data3/NW/TD/MY-
174437/opd-500x500.jpg" alt="opd" >
                        <p id="p5"> Outpatient Department(OPD)</p>
```

```html
                    <p id="p6">Definition OPD is defined as a part of the ho
spital with allotted physical facilities and medical and other staffs, with re
gularly scheduled hours, to provide care for patients who are not registered a
s inpatients. A hospital department where patients receive diagnosis and/ or t
reatment but do not stay overnight</p>
                </div>
                <div class="place-wrapper">
                    <img id="image1" src="https://goldencarehospital.com/wp-
content/uploads/2016/03/Physio-1024x681.jpg" alt="physiotherapy department" >
                    <p id="p5">physiotherapy department</p>
                    <p id="p6">Physiotherapy is treatment to restore, mainta
in, and make the most of a patient's mobility, function, and well-
being. Physiotherapy helps through physical rehabilitation, injury prevention,
 and health and fitness. Physiotherapists get you involved in your own recover
y.</p>
                </div>




</section>
</main>

<footer class="foot1">
<p id="p2"> Contact us </p>

<a href="https://m.facebook.com/profile.php?lst=100009274090199%3A100009274090
199%3A1598705447"><i  id="facebook" class="fab fa-facebook-f"></i></a>
<a href="https://twitter.com/garvit__joshi" style="text-
decoration: none;"><i  id="twitter" class="fab fa-twitter"></i></a>

<a href=" mailto:garvitjoshi9@gmail.com" style="text-
decoration: none"> <i  id="mail" class="fas fa-envelope"></i></a>
<p id="p1">&copy; Copyright 2020 Garvit Joshi.</p>
</footer>

</body>
</html>
```

Index.css:

```css
.body1{
background-image:url(https://images.unsplash.com/photo-1519494026892-
80bbd2d6fd0d?ixlib=rb-
1.2.1&q=80&fm=jpg&crop=entropy&cs=tinysrgb&w=1080&fit=max&ixid=eyJhcHBfaWQiOjE
yMDd9);
    background-repeat: no-repeat;
```

```css
    background-size: cover;
    background-image-opacity:0.2;
      color:black;
      margin: 0px;
      font-family: 'Raleway', sans-serif;


}
.head1{
      background-color:white;
      color:rgba(0,0,0, 0.8);
}
.nav1{
      padding: 16px;

}
#span1{
      padding: 16px;
      font-size: 22px;
      cursor:pointer;
      color:rgba(0,0,0, 0.8);

}
#select1{
      background-color:white ;
      color:rgba(0,0,0, 0.9);
      font-size: 22px;
      border:0px;
      cursor: pointer;
      opacity: 1;

      font-family: 'Raleway', sans-serif;
}

#span2{
      float: right;
padding-right:16px;
      font-size: 22px;
      color:rgba(0,0,0, 0.9) ;
}


/*#lain:focus:required{
      background-color: lightcoral;
}*/
```

```css
.foot1{
    background-color:#98599B;
    height: 150px;
}
#p1{
    margin: 15px;
    padding-top:15px;
}
#facebook{

    color: blue;
font-size: 32px;
opacity: 1;
padding-left:10px;
}
#p2{

    font-size: 20px;
    margin-top: 0px;
    padding: 10px;
    padding-top: 10px;
    padding-bottom: 0px;
    color: rgba(0,0,0, 0.9);

}
#p5{
    text-align: center;
    font-size: 22px;
    font-weight: bold;
}
#p6:hover{
    cursor: pointer;
font-size: 20px;
font-weight: bold;


}
#twitter{


    color: #15D0F3 ;
font-size: 30px;
opacity: 1;
padding-left:10px;
display: inline;
}
#mail{
```

```css
        color: #1391EC  ;
font-size: 30px;
opacity: 1;
padding-left:10px;
display: inline;
}


#tab1{
    margin-right: auto;
    margin-left: auto;

}
#de1{

    padding: 20px;



}
#image1{
    width: 100%;
    height: 300px;

    border:2px solid black;
    margin-left:5px;
    margin-right: 5px;
    border-radius:15px;

}
#image1:hover{
    background-color: blue;
    cursor: pointer;
}
.place-wrapper{
    display: inline-block;
    width: 30%;
    box-sizing: border-box;
    vertical-align: top;
    margin: 5px;
    margin-right: 15px;
    margin-left: 25px;



}


@media screen and (max-width:1276px ){

    .place-wrapper{
        display: block;
```

```css
            width: 90%;
            margin-left:38px;
        }

        .head1{
        background-color:white;
        color:rgba(0,0,0, 0.8);
         text-align:center;
        display:block;


}
#span1{
font-size: 22px;
}
#select1{

    font-size: 22px;



}
}



@media screen and (max-width:992px ){

    .place-wrapper{
        display: block;
        width: 95%;
        margin-left:15px;
    }

    .head1{
    background-color:white;
    color:rgba(0,0,0, 0.8);
     text-align:center;
    display:block;


}
#span1{
font-size: 22px;
}
#select1{

    font-size: 22px;
```

```css
}
}


@media screen and  (max-width:786px) {

    .place-wrapper{
        display: block;
        width: 85%;
        margin-left:45px;


    }

    .head1{
    background-color:white;
    color:rgba(0,0,0, 0.8);
     text-align:center;
    display:block;


}
#span1{
font-size: 22px;
}
#select1{

    font-size: 22px;



}




@media screen and (max-width:600px ){

    .place-wrapper{
        display: block;
        width: 90%;
        margin-left:15px;
    }

    .head1{
    background-color:white;
    color:rgba(0,0,0, 0.8);
     text-align:center;
    display:block;


}
#span1{
```
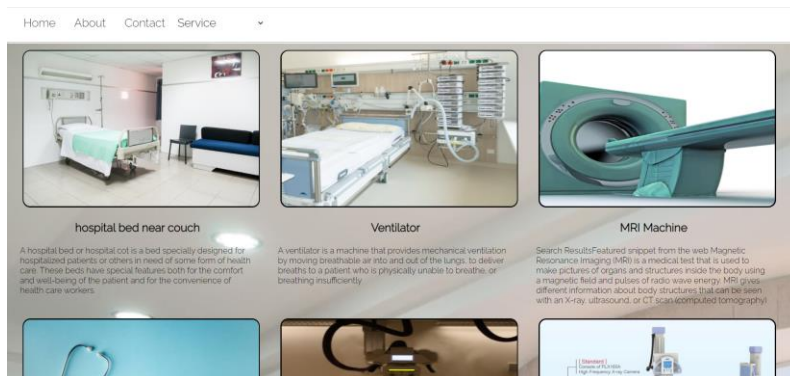
```
font-size: 10px;
}
#select1{

    font-size: 10px;


}
}
```

Screenshots:

In Laptop:

In Mobile Devices:

Q3. (a) When the user hovers the cursor over the row of the table, a function is triggered that changes the background color of the row. Complete the following code:

Code:

```html
<html>
<head><title></title></head>
<body>
<table border=2>
<tr onmouseover="ChangeBackgroundColor(this)" onmouseout="RestoreBackgroundCol
or(this)">
<th>Name</th>
<th>Regno</th>
</tr>
<tr onmouseover="ChangeBackgroundColor(this)" onmouseout="RestoreBackgroundCol
or(this)">
 <td>Ram</td>
 <td>2000</td>
</tr>
<tr onmouseover="ChangeBackgroundColor(this)" onmouseout="RestoreBackgroundCol
or(this)">
 <td>Sham</td>
 <td>3000</td>
</tr>
</table>
<script type="text/javascript" >

    var TableBackgroundNormalColor = "#ffffff";
    var TableBackgroundMouseoverColor = "#FF0000";

    // These two functions need no customization.
    function ChangeBackgroundColor(row) {
        row.style.backgroundColor = TableBackgroundMouseoverColor;
    }

    function RestoreBackgroundColor(row) {
        row.style.backgroundColor = TableBackgroundNormalColor;
    }
</script>
</body>
</html>
```

Screenshots:

Name	Regno
Ram	2000
Sham	3000

Name	Regno
Ram	2000
Sham	3000

Q3. (b) Write a JavaScript program to print the grades of the students according to the given conditions

marks>90, print grade A

marks>=60 and marks<90, print grade B

marks>=40 and marks<60, print grade C

marks<40, print fail

Code:

```html
<html>
<body>
<script>

var msg = 'Enter the percentage of student:';

var marks = prompt(msg);
if(marks>=90)
    {
       document.write('Grade -> A');}
else if(marks>=60 && marks<90)
    {
       document.write('Grade -> B');}
else if(marks>=40 && marks<60)
    {
       document.write('Grade -> C');}
else if(marks>60 && marks<=70)
    {
       document.write('Grade - C');}
else if(marks<40){

       document.write('FAILED');}



</script>
</body>
</html>
```

Screenshots:

127.0.0.1:5500 says

Enter the percentage of student:

45

OK   Cancel

Grade -> C