

HOSPITAL APPOINTMENT SYSTEM

Microproject for Client-Side Scripting



A MICRO PROJECT ON

Hospital Appointment System

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Under the guidance of

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In the partial fulfilment for the award of the diploma

In

COMPUTER ENGINEERING

S.H.JONDHALE POLYTECHNIC

DOMBIVILI(W)



MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

Certificate

This is certify that **Mr. Ayush Rajeshwar Gupta, Mr. Pranav Deepak Patil, Mr. Bhavesh Bhaskar Choudhari, Mr. Om Pradeep Chaudhari** of fifth semester of diploma in Computer Engineering of Institute **S. H. JONDHALE POLYTECHNIC (code:0044)** has completed the term work satisfactorily in subject **Client-Side Scripting Language (22519)** for the academic year 2022-2023 as prescribed in the curriculum.

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Subject Teacher

Head of the Department

Principal

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I would like to express my special thanks to my teacher

Mr. Akash Patil

For their able guidance and support in completing this project. I would also like to extend my gratitude to my principal and HOD. With all the faculty that was required for this project. It also helped me doing lot of research and came to know many new things. I am really thank full to them.

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TITLE:

Hospital Management

TOOLS:

MS Word 2021

VS Code

CSS

HTML

JavaScript

JavaScript:

JavaScript is a dynamic computer programming language. It is lightweight and most commonly used as a part of web pages, whose implementations allow client-side script to interact with the user and make dynamic pages. It is an interpreted programming language with object-oriented capabilities

JavaScript was first known as LiveScript, but Netscape changed its name to JavaScript, possibly because of the excitement being generated by Java. JavaScript made its first appearance in Netscape 2.0 in 1995 with the name LiveScript. The general-purpose core of the language has been embedded in Netscape, Internet Explorer, and other web browsers. Client-side JavaScript is the most common form of the language. The script should be included in or referenced by an HTML document for the code to be interpreted by the browser

It means that a web page need not be a static HTML, but can include programs that interact with the user, control the browser, and dynamically create HTML content.

The JavaScript client-side mechanism provides many advantages over traditional CGI server-side scripts. For example, you might use JavaScript to check if the user has entered a valid e-mail address in a form field.

The JavaScript code is executed when the user submits the form, and only if all the entries are valid, they would be submitted to the Web Server.

JavaScript can be used to trap user-initiated events such as button clicks, link navigation, and other actions that the user initiates explicitly or implicitly.

Advantages of JavaScript:

Less server interaction: You can validate user input before sending the page off to the server. This saves server traffic, which means fewer loads on your server.

Immediate feedback to the visitors: They don't have to wait for a page reload to see if they have forgotten to enter something.

Increased interactivity: You can create interfaces that react when the user hovers over them with a mouse or activates them via the keyboard.

Richer interfaces: You can use JavaScript to include such items as drag-and-drop components and sliders to give a Rich Interface to your site visitors.

Limitations of JavaScript:

We cannot treat JavaScript as a full-fledged programming language. It lacks the following important features -

- Client-side JavaScript does not allow the reading or writing of files. This has been kept for security reasons.
- JavaScript cannot be used for networking applications because there is no such support available.
- JavaScript doesn't have any multi-threading or multiprocessor capabilities.

Once again, JavaScript is a lightweight, interpreted programming language that allows you to build interactivity into otherwise static HTML pages.

Features of JavaScript:

JavaScript is a client-side technology, it is mainly used for gives client-side validation, but it has lot of feature JavaScript is an object-based scripting language.

- Giving the user more control over the browser
- It Handling dates and time
- It Detecting the user's browser and OS
- It is light weighted.
- JavaScript is a scripting language and it is not java.
- JavaScript is interpreter-based scripting language

HTML:

Originally, HTML was developed with the intent of defining the structure of documents like headings, paragraphs, lists, and so forth to facilitate the sharing of scientific information between researchers.

Now, HTML is being widely used to format web pages with the help of different tags available in HTML language.

HTML is a MUST for students and working professionals to become a great Software Engineer especially when they are working in Web Development Domain.

Advantages of HTML:

Create Web site: You can create a website or customize an existing web template if you know HTML well.

Become a web designer - If you want to start a career as a professional web designer, HTML and CSS designing is a must skill.

Understand web - If you want to optimize your website, to boost its speed and performance, it is good to know HTML to yield best results.

Learn other languages - Once you understand the basic of HTML then other related technologies like JavaScript, php, or angular are become easier to understand.

Applications of HTML:

HTML is one of the most widely used languages over the web.

Web pages development: TML is used to create pages which are rendered over the web. Almost every page of web is having html tags in it to render its details in browser.

Internet Navigation: HTML provides tags which are used to navigate from one page to another and is heavily used in internet navigation.

Responsive UI: HTML pages now-a-days works well on all platform, mobile, tabs, desktop or laptops owing to responsive design strategy.

Offline support: HTML pages once loaded can be made available offline on the machine without any need of internet.

Game development: HTML has native support for rich experience and is now useful in gaming development arena as well.

Heading Tags

Any document starts with a heading. You can use different sizes for your headings. HTML also has six levels of headings, which use the elements `<h1>`, `<h2>`, `<h3>`, `<h4>`, `<h5>`, and `<h6>` While displaying any heading, browser adds one line before and one line after that heading

Paragraph Tag

The `<p>` tag offers a way to structure your text into different paragraphs. Each paragraph of text should go in between an opening `<p>` and a closing `</p>` tag

Line Break Tag

Whenever you use the `
` Element, anything following it starts from the next line. This tag is an example of an empty element, where you do not need opening and closing tags, as there is nothing to go in between them.

The `
` tag has a space between the characters `br` and the forward slash. If you omit this space, older browsers will have trouble rendering the line break, while if you miss the forward slash character and just use `
` it is not valid in XHTML

Centering Content

You can use `<center>` tag to put any content in the center of the page or any table cell

CSS-

CSS stands for Cascading style sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It can also be used with any kind of XML documents including plain XML, SVG and XUL.

CSS is used along with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.

What does CSS do-

You can add new looks to your old HTML documents.

You can completely change the look of your website with only a few changes in CSS code.

Why use CSS-

There are three major benefits of CSS.

1) Solves a big problem:

Before CSS, tags like font, color, background style, element alignments, border and size had to be repeated on every web page. This was a very long process. For example: If you are developing a large website where fonts and color information are added on every single page, it will become a long and expensive process. CSS was created to solve this problem. It was a W3C recommendation.

2) Saves a lot of time.

CSS style definitions are saved in external CSS files so it is possible to change the entire website by changing just one file.

3) Provide more attributes.

CSS provides more detailed attributes than plain HTML to define the look and feel of the website.

About Website-

A website is a collection of publicly accessible, interlinked Web pages that share a single domain name. Websites can be created and maintained by an individual, group, business or organization to serve a variety of purposes. Together, all publicly accessible websites constitute the World Wide Web. A website is also known as a web presence.

Basically, the hospital management webpage gives the idea about where is hospital located in specified place. Hospital management webpage is much easy way to find out the hospital of your choice. Hospital management webpage gives the detail information about the hospitals and also the detail contact information. It shows the popular hospitals from selected places.

Website made up with the html, CSS and using JavaScript tags. Also, it supports the Google language features. Food website looks very graceful because it follows the html and CSS designing.

Web Page-

A Web page is a document for the World Wide Web that is identified by a unique uniform resource locator A Web page can be accessed and displayed on a monitor or mobile device through a Web browser. The data found in a Web page is usually in HTML or XHTML format. The Web pages usually also contain other resources such as style sheets, scripts and images for presentation. Users may be able to navigate to other pages through hypertext links.

A Web page is a representation of a document that is actually located at a remote site. The information on a Web page is displayed online with the help of a Web browser such as Internet Explorer, Mozilla Firefox or Google Chrome. The Web browser is connected to the Web server, where the website's contents are hosted through HTTP. Every Web page corresponds to various types of information presented to the visitor in a visual and readable manner.

Program-

Index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>JONDHALE HEALTHCARE</title>
    <link rel="stylesheet" type="text/css" href="CSS/style.css">
  </head>
  <body>
    <header>
      <div class="main">
        <div class="logo1">
          
        </div>
        <div class="deco">
          
        </div>
        <ul>
          <li><a href="index.html">HOME</a></li>
          <li><a href="booking.html">BOOK AN APPOINTMENT</a></li>
          <li><a href="doctors.html">DOCTORS</a></li>
          <li><a href="about.html">ABOUT</a></li>
          <li><a href="contact.html">CONTACT US</a></li>
        </ul>
      </div>
      <div class="title">
        <h1>JONDHALE HEALTHCARE</h1>
      </div>
      <div class="button">
        <a href="booking.html" class="btn">BOOK YOUR APPOINTMENT NOW!!</a>
      </div>
    </header>
  </body>
</html>
```


about.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>About</title>
    <link rel="stylesheet" type="text/css" href="CSS/style.css">
  </head>
  <body>
    <header>
      <div class="main">
        <ul>
          <li><a href="index.html">HOME</a></li>
          <li><a href="booking.html">BOOK AN APPOINTMENT</a></li>
          <li><a href="doctors.html">DOCTORS</a></li>
          <li><a href="about.html">ABOUT</a></li>
          <li><a href="contact.html">CONTACT US</a></li>
        </ul>
      </div>
      <div class="heading">
        <h1>About us:</h1>
        <t>Jondhale Healthcare
every minute of every day consolidates cutting edge telemedicine,
telemonitoring and home wellbeing to give you prompt access to western
prepared specialists and health specialists for sound, intense and unending
conditions the board and counsel through voice/video calls, live talk and
additionally on-location specialist visits and centers.
        You can converse with our western prepared specialists and
wellbeing specialists from anyplace on the planet, regardless of whether you
are at home, at the workplace, on an excursion for work or in the midst of
some recreation.
        Our full-time western prepared specialists practice Evidence-
Based Medicine through NHS International Guidelines and will reveal to you
reality about what you require, not exactly what you can bear the cost of in
this manner guaranteeing better clinical and budgetary results.
      </t>
    </div>
    <div class="logo1">
      
    </div>
    <div class="deco-about">
      
    </div>
  </header>
</body>
</html>
```

contact.html

[illegible]

doctors.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Doctors</title>
    <link rel="stylesheet" type="text/css" href="CSS/style.css">
  </head>
  <body>
    <header>
      <div class="main">
        <ul>
          <li><a href="index.html">HOME</a></li>
          <li><a href="booking.html">BOOK AN APPOINTMENT</a></li>
          <li><a href="doctors.html">DOCTORS</a></li>
          <li><a href="about.html">ABOUT</a></li>
          <li><a href="contact.html">CONTACT US</a></li>
        </ul>
      </div>
      <div class="logo1">
        
      </div>
      <div class="docimg">
        <img1></img1>
        <img2></img2>
        <img3></img3>
        <img4></img4>
        <img5></img5>
        <img6></img6>
      </div><div class="docname">
        <n1><a href="#">Genelia Disuza</a></n1>
        <n2><a href="#">Robert Lewandowski</a></n2>
        <n3><a href="#">Stuart Bean</a></n3>
        <n4><a href="#">Nilesh Niselsen</a></n4>
        <n5><a href="#">Justin Buttler</a></n5>
        <n6><a href="#">Nishant Lobo</a></n6>
      </div><div class="deco-about">
        
      </div>
    </header>
  </body>
</html>
```

booking.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>APPOINTMENT</title>
    <link rel="stylesheet" type="text/css" href="CSS/style.css">
  </head>
  <body>
    <header>
      <div class="deco-about">
        
      </div>
      <div class="main">
        <div class="logo1">
          
        </div>
        <ul>
          <li><a href="index.html">HOME</a></li>
          <li><a href="booking.html">BOOK AN APPOINTMENT</a></li>
          <li><a href="doctors.html">DOCTORS</a></li>
          <li><a href="about.html">ABOUT</a></li>
          <li><a href="contact.html">CONTACT US</a></li>
        </ul>
      </div>
      <div class="tip">
        <Enter><h1>Enter your details below, our team will contact you
shortly.</h1></Enter>
      </div>
      <form class="form">
        <table>
          <tr>
            <td>
              <name1>Name: </name1>
            </td>
            <td>
              <name2> <input type="text" id="name" placeholder="Name"
size="50" name="" required></name2>
            </td>
          </tr>
          <tr>
            <td>
              <age1> Age: </age1>
            </td>
            <td>
              <age2></age2><input type="number" id="age"
placeholder="Age" age="" required></age2>
            </td>
          </tr>
        </table>
      </form>
    </body>
  </html>
```

```

        </tr>
        <tr>
            <td>
                <gen1>Gender:</gen1>
            </td>
            <td>
                <gen2><input type="radio" id="male" name="Gender"
required>Male</gen2>
                <gen3><input type="radio" id="female" name="Gender"
required>Female</gen3>
                <gen4><input type="radio" id="trans" name="Gender"
required>Transgender</gen4>
            </td>
        </tr>
        <tr>
            <td>
                <mail1>Email: </mail1>
            </td>
            <td>
                <mail2><input type="mail" id="mail"
placeholder="Email ID" mail="" size="50" required></mail2>
            </td>
        </tr>
        <tr>
            <td>
                <ph1>Phone no: </ph1>
            </td>
            <td>
                <select class="ph3">
                    <ph3> <option>91</option></ph3>
                    <ph3><option>977</option></ph3>
                    <ph3><option>01</option></ph3>
                    <ph3><option>597</option></ph3>
                    <ph3><option>971</option></ph3>
                </select>
                <ph2><input type="Phone" placeholder="Phone no"
id="ph" phone="" maxlength="10" required></ph2>
            </td>
        </tr>
        <tr>
            <td>
                <add1>Adress:</add1>
            </td>
            <td>
                <add2><input type="text" placeholder="Adress"
id="adress" size="70" adress="" required> </add2>
            </td>
        </tr>
    </table>

```

```

        <tr>
            <td>
                <sel1>Select Physician: </sel1>
            </td>
            <td>
                <select class="select1">
                    <sel2><option>Psychiatrist</option></sel2>
                    <sel2><option>Pediatrician</option></sel2>
                    <sel2><option>Surgeon</option></sel2>
                    <sel2><option>Neurologist</option></sel2>
                    <sel2><option>Dentist</option></sel2>
                    <sel2><option>Gynecologist</option></sel2>
                </select>
            </td>
        </tr>
        <tr>
            <td>
                <sub1><input type="image" src="submit.png" id="sub"
alt="Submit" height="40px" onclick="validateform()"></sub1>
            </td>
        </tr>
    </table>
</form>
</header>
</body>
<script type="text/javascript">
    function validateform()
    {
        if(document.getElementById("name").value=="")
        {
            alert("Please enter Name");
            return false;
        }
        if(document.getElementById("age").value=="")
        {
            alert("Please enter your age");
            return false;
        }
        if(document.getElementById("mail").value=="")
        {
            alert("Please provide your Email ID");
            return false;
        }
        if(document.getElementById("ph").value=="")
        {
            alert("Please enter your phone number");
            return false;
        }
    }

```

```
        if(document.getElementById("adress").value=="")
        {
            alert("Please enter adress");
            return false;
        }
    }
</script>
</html>
```

style.css

```
*{
  margin: 0;
  padding: 0;
  font-family: Century Gothic;
}

header
{
  background-image: linear-gradient(rgba(0,0,0,0.5),rgba(0,0,0,0.5)),
url(../images/blur-hospital.jpg);
  height : 100vh;
  background-size: cover;
  background-position: centre;}

ul
{
  float: right;
  list-style-type: none;
  margin-top: 25px;
}

ul li{
  display: inline-block;
}

ul li a{
  text-decoration: none;
  color:white;
  padding:5px 20px;
  border: 1px solid transparent;
  transition: 0.6s ease;
}

ul li a:hover{
  background-color: white;
  color:black;
}


.logo1 img{
  float:left;
  width:300px;
  height:auto;
}

.deco img{
  position: absolute;
  top:70%;
  left:50%;
  transform: translate(-50%,-50%);
```



```

    width:400px;
    height:auto;
}

.main{
    max-width:1400px;
    margin:auto;
}

.title{
    position: absolute;
    top:30%;
    left:50%;
    transform: translate(-50%,-50%);
}

.title h1{
    color: skyblue;
    font-size: 65px;
}

.button{
    position:absolute;
    top: 45%;
    left:50%;
    transform:translate(-50%,-50%);
}

.btn{
    border: 1px solid #fff;
    padding: 10px 30px;
    color:black;
    background-color: #fff;
    text-decoration: none;
    transition: 0.6s;
}

.btn:hover{
    background-color:aquamarine;
    color:black;
    zoom:103%;
}

.deco-about img{
    position: absolute;
    top:70%;
    left:10%;
    transform: translate(-50%,-50%);
}

```

```

width:400px;
height:auto
}

.heading{
  position: absolute;
  top:25%;
  left:25%;
  right:7%;
  height:400px;
  padding:15px;
  border-bottom-right-radius: 50px;
  border-top-left-radius: 50px;
  color: white;
  border:3px solid aqua;
  border-bottom: 10px solid black;
  font-size: 28px;
}

.heading t{
  font-size: 20px;
}

.heading h1{
  text-align:left;
  color:aqua;
  border-bottom:5px solid white;
  text-indent: 7px;
}

.docimg img1{
  position: absolute;
  left: 70%;
  top:18%;
  transition:0.6s ease;
}

.docimg img1:hover{
  border-right: solid aqua;
  border-top: solid blue;
  border-bottom-right-radius: 10px;
  zoom:101%;
}

.docimg img2{
  position: absolute;
  left: 28%;
  top:18%;
  transition:0.6s ease;
}

```

```

.docimg img2:hover{
    border-right: solid aqua;
    border-top: solid blue;
    border-bottom-right-radius: 10px;
    zoom:101%;
}

.docimg img3{
    position: absolute;
    left: 49%;
    top:18%;
    transition:0.6s ease;
}

.docimg img3:hover{
    border-right: solid aqua;
    border-top: solid blue;
    border-bottom-right-radius: 10px;
    zoom:101%;
}

.docimg img4{
    position: absolute;
    left: 70%;
    top:60%;
    transition:0.6s ease;
}

.docimg img4:hover{
    border-right: solid aqua;
    border-top: solid blue;
    border-bottom-right-radius: 10px;
    zoom:101%;
}

.docimg img5{
    position: absolute;
    left: 28%;
    top:60%;
    transition:0.6s ease;
}

.docimg img5:hover{
    border-right: solid aqua;
    border-top: solid blue;
    border-bottom-right-radius: 10px;
    zoom:101%;
}

.docimg img6{
    position: absolute;

```

```

    left: 49%;
    top:60%;
    transition:0.6s ease;
}

.docimg img6:hover{
    border-right: solid aqua;
    border-top: solid blue;
    border-bottom-right-radius: 10px;
    zoom:101%;
}

.docname{
    text-align: center;
    border: solid transparent;
}

.docname n1 a{
    position: absolute;
    color:white;
    left: 70%;
    top:47%;
    font-size: 25px;
    transition: 0.6s ease;
}

.docname n1 a:hover{
    color:burlywood
}

.docname n2 a{
    position: absolute;
    left:28%;
    color:white;
    top:47%;
    font-size: 25px;
    transition: 0.6s ease;
}

.docname n2 a:hover{
    color:burlywood
}

.docname n3 a{
    position: absolute;
    left: 49%;
    color:white;
    top:47%;
    font-size: 25px;
    transition: 0.6s ease;
}

```

```

.docname n3 a:hover{
    color:burlywood
}

.docname n4 a{
    position: absolute;
    color:white;
    left: 28%;
    top:89%;
    font-size: 25px;
    transition: 0.6s ease;
}
.docname n4 a:hover{
    color:burlywood
}

.docname n5 a{
    position: absolute;
    color:white;
    left: 49%;
    top:89%;
    font-size: 25px;
    transition: 0.6s ease;
}
.docname n5 a:hover{
    color:burlywood
}
.docname n6 a{
    position: absolute;
    color:white;
    left: 70%;
    top:89%;
    font-size: 25px;
    transition: 0.6s ease;
}
.docname n6 a:hover{
    color:burlywood
}

.form table tr td name1{
    font-size: 25px;
    position: absolute;
    left:30%;
    top:28%;
    transition: 0.6s ease;
    color:#fff
}

```

```

.form table tr td name2{
    font-size: 25px;
    position: absolute;
    left:40%;
    top:28%;
    transition: 0.6s ease;
    color:#fff;
}

.form table tr td age1{
    font-size: 25px;
    position: absolute;
    left:30%;
    top:36%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td age2{
    font-size: 25px;
    position: absolute;
    left:40%;
    top:36%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td gen1{
    font-size: 25px;
    position: absolute;
    left:30%;
    top:44%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td gen2{
    font-size: 25px;
    position: absolute;
    left:40%;
    top:44%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td gen3{
    font-size: 25px;

```

```

    position: absolute;
    left:50%;
    top:44%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td gen4{
    font-size: 25px;
    position: absolute;
    left:60%;
    top:44%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td mail1{
    font-size: 25px;
    position: absolute;
    left:30%;
    top:52%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td mail2{
    font-size: 25px;
    position: absolute;
    left:40%;
    top:52%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td ph1{
    font-size: 25px;
    position: absolute;
    left:30%;
    top:60%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td ph2{

    position: absolute;
    left:44%;
    top:60%;

```

```

    transition: 0.6s ease;
    color:#fff
}

.ph3{
    position: absolute;
    top: 60%;
    left:40%;
}

.form table tr td add1{
    font-size: 25px;
    position: absolute;
    left:30%;
    top:68%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td add2{
    font-size: 25px;
    position: absolute;
    left:40%;
    top:68%;
    transition: 0.6s ease;
    color:#fff
}

.form table tr td sel1{

    position: absolute;
    font-size: 25px;
    left:30%;
    top:76%;
    transition: 0.6s ease;
    color:#fff
}

.select1 {
    position: absolute;
    left:45%;
    top:77%;
    transition: 0.6s ease;
    color:black;
    font-size: 18px;
}

.form table tr td sub1{

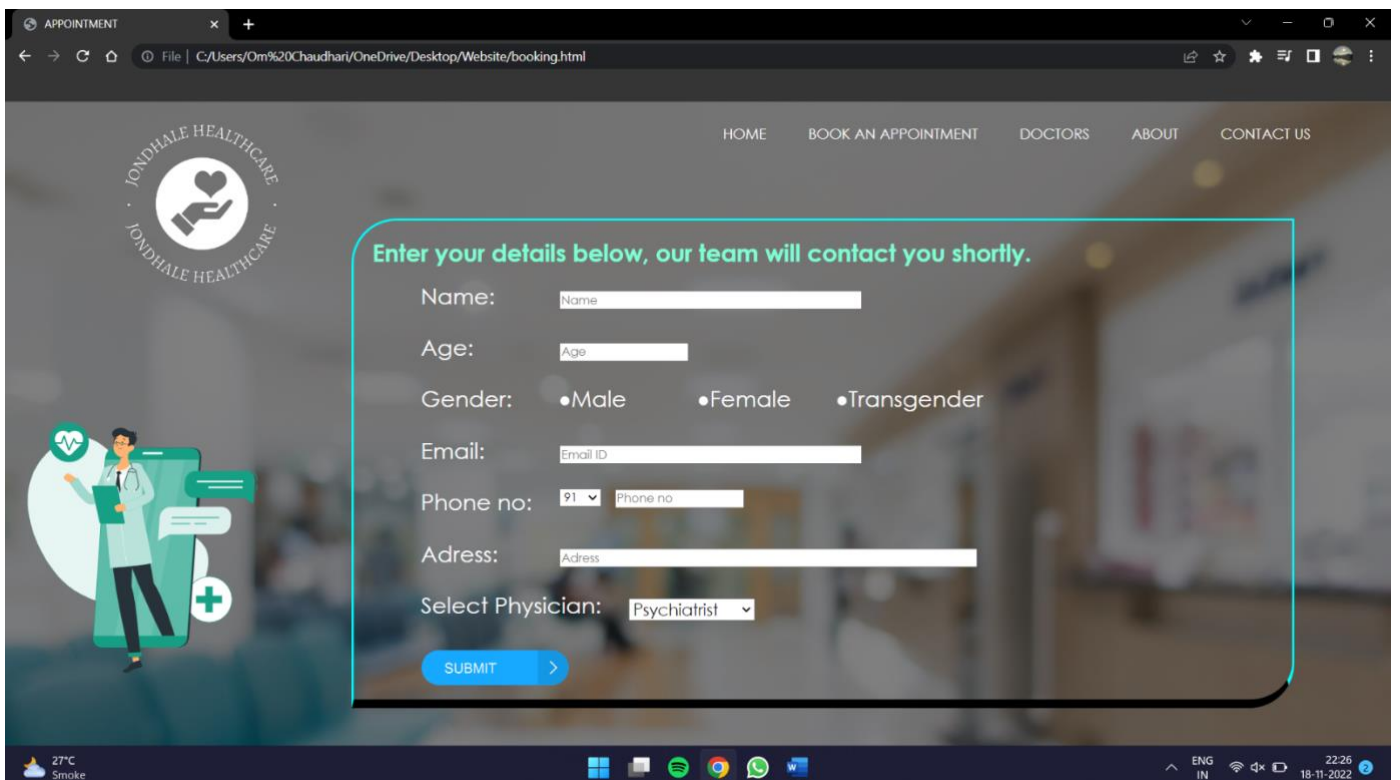
```

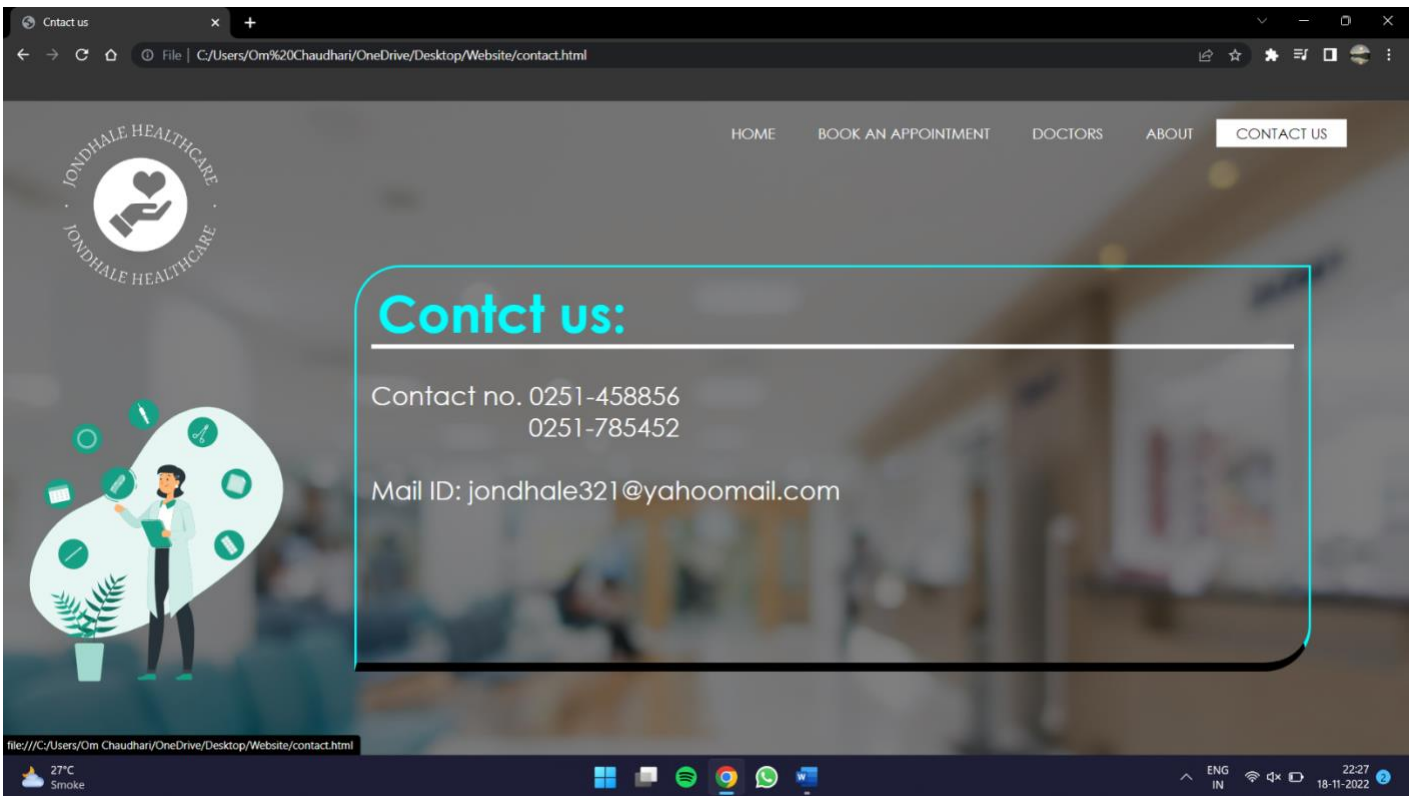
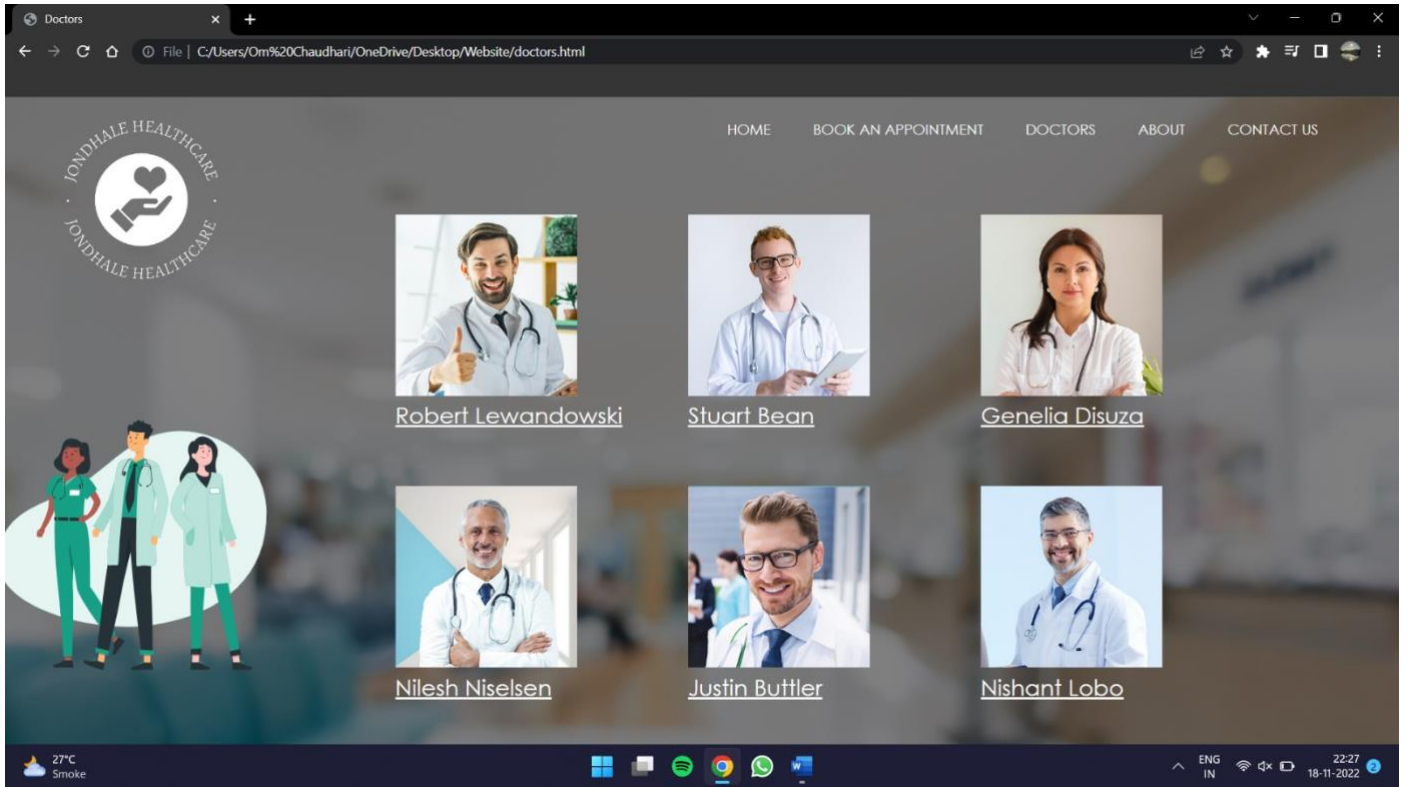


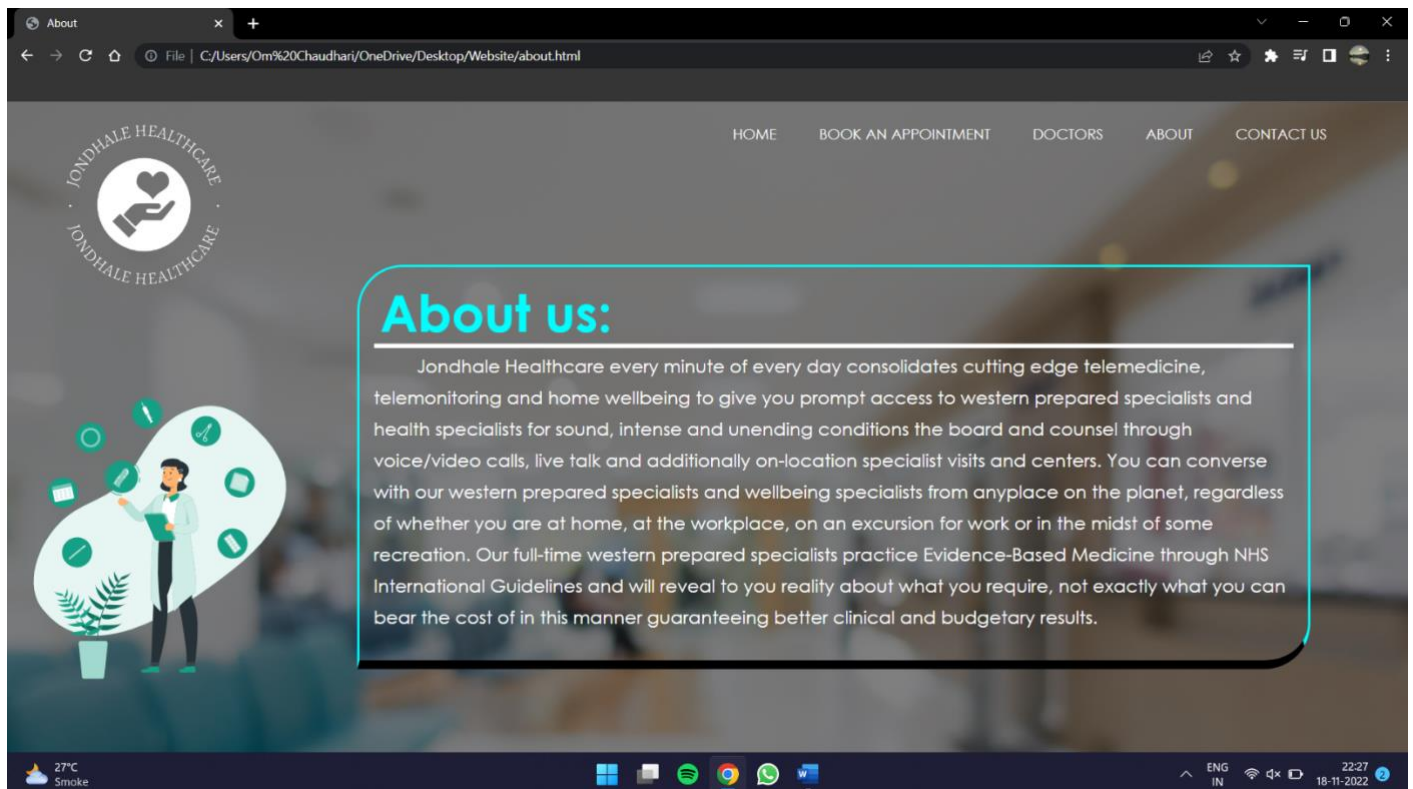
```
position: absolute;
top:85%;
left:30%;
}

.tip{
position: absolute;
top:18%;
left:25%;
right:7%;
height:490px;
padding:20px;
border-bottom-right-radius: 50px;
border-top-left-radius: 50px;
color: aquamarine;
border:3px solid aqua;
border-bottom: 10px solid black;
font-size: 13px;
}
```

Output-







References-

JavaScript beginning – Wilton, paul

JavaScript Demystified – Keogh, Jim

Websites-

<https://www.w3schools.com/>

<https://www.geeksforgeeks.org/>

<https://stackoverflow.com/>

Conclusion-

Enjoyed creating a website we are learned how to create structured and functional HTML documents (even if they are plain looking) everything else builds on this. You can easily look up more information on the other HTML tags we haven't covered so far. We will be looking at more HTML tags and CSS tags.

JavaScript has become amusing as well as a really exciting space to work in recent years. JavaScript has accomplished a well-organized. sustainable code base to language that gives great productivity, readability and accessibility which is also pretty fun to work with.