

Internet and Web Programming
CSE3002
Fall Semester 2020-21

Lab Assignment 1

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18BCE0265

Question:

Design a website to demonstrate the knowledge of students in HTML tags, forms, table, list and HTML frames.

- i. Create a user registration webpage using HTML Form elements (Input types) for a hackathon event registration. The webpage must contain the following input types to get the details of the students
- ii. # Input Types:- Textfields, Textarea, checkbox, radio button, submit button, reset button, drop down box, images (if required).
- iii. # Apply styles, Formatting tags of HTML for good design.
- iv. # Embed audio or video.
- v. # Perform form validations with HTML 5 elements.

Procedure:

<!DOCTYPE html>: Tells browser that it is an HTML document

<head>: Container for header elements

<title>: Name for toolbar

<body>: Body element for document

<style>: Styles for the different elements

<h1>: Heading of level 1

align: alignment on the HTML document

<form>: Creates an HTML form for user input

action: backend script to process data

method: API request method

<table>: Defines a table

cellpadding: Space to left on all 4 sides inside the cell

<tr>: Defines a new table row

<td>: Defines a cell

<input>: Declare input controls that allow users to input data.

type: Defines the type of input text/radio/checkbox

name: Defines the name of the <input> element

id: Unique id to identify

pattern: Defines pattern of input data

required: Compulsory to enter

value: Defines the value of the option in radio/checkbox

<label>: Represents a caption for an item in a user interface

For:

<textarea>: Multi-line text input control

rows: Min no of rows

cols: Min no of cols.

<select>: Used to create dropdown list

<option>: Define options for dropdown

<p>: Defines a paragraph

<iframe>: Defines an inline frame. Used to embed another document, in this case video

width: Defines width of element

height: Defines height of element

src: Source of media

allow: Enables extra restrictions for media hosted by iframe

allowfullscreen: Allow in full screen

: Inserts image

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>18BCE0265 IWP Lab DA – 1</title>
</head>
<style>
    body{
        background-color: rgb(20,20,20);
        font-family: Verdana, Geneva, Tahoma, sans-serif;
        color: rgb(16, 229, 125);
    }
    h1{
        font-size: 3em;
    }
    #nameHeading,
    #regNoHeading,
    #emailHeading,
    #mobNoHeading,
    #ideaHeading,
    #yearHeading,
    #branchHeading,
    #domainHeading{
        font-size: 1.2em;
        font-weight: 700;
        font-family: Verdana, Geneva, Tahoma, sans-serif;
    }
    #name,
    #regNo,
    #email,
    #mobNo,
    #idea{
        height: auto;
        width: auto;
        padding: 5px 10px 5px 10px;
        text-transform: capitalize;
        background-color: rgb(20,20,20);
        border: 2px solid rgb(156,156,156);
        border-radius: 5px;
        color: white;
        font-size: 1.2em;
        font-family: Verdana, Geneva, Tahoma, sans-serif;
    }
    #mobPrefix{
```

```

        border: 1px solid rgb(156,156,156);
        border-radius: 5px;
    }
    div,
    #first,
    #second,
    #third,
    #fourth{
        font-size: 1.2em;
        font-family: Verdana, Geneva, Tahoma, sans-serif;
    }

```

</style>

<body>

<h1 align="center">Hackathon Registration</h1>

<form action="submit" method="post">

```

        </td>
    </tr>
    <tr>
        <td>
            <label id="ideaHeading" for="ideaHeading">Idea
Description</label><br>
        </td>
        <td>
            <textarea type="text" id="idea" name="idea" cols="25" rows="5"
required></textarea>
        </td>
    </tr>
    <tr>
        <td>
            <label id="yearHeading" for="yearHeading">Year</label><br>
        </td>
        <td>
            <label id="first" for="">First</label>
            <input name="year" type="radio" value="first" checked>
            <label id="second" for="">Second</label>
            <input name="year" type="radio" value="second">
            <label id="third" for="">Third</label>
            <input name="year" type="radio" value="thirst">
            <label id="fourth" for="">Fourth</label>
            <input name="year" type="radio" value="fourth">
        </td>
    </tr>
    <tr>
        <td>
            <label id="branchHeading" for="branch">Branch</label>
        </td>
        <td>
            <select name="branch">
                <option>Computer Science Engineering</option>
                <option>Information Technology Engineering</option>
                <option>Electronics and Communication Engineering</option>
                <option>Electronics and Electrical Engineering</option>
                <option>Electronics and Instrumentation
Engineering</option>
                <option>Civil Engineering</option>
                <option>Chemical Engineering</option>
                <option>Mechanical Engineering</option>
            </select>
        </td>
    </tr>
    <tr>
        <td>
            <label id="domainHeading">Domain</label>
        </td>
        <td>
            <div id="checkbox">

```

```

        <label for="">Backend</label>
        <input name="role" class="role" type="checkbox"
value="backend">

        <label for="">Web</label>
        <input name="role" class="role" type="checkbox"
value="web">

        <label for="">App</label>
        <input name="role" type="checkbox" value="app">
        <label for="">Designer</label>
        <input name="role" type="checkbox" value="designer">
        <label for="">Other</label>
        <input name="role" type="checkbox" value="other">
    </div>
</td>
</tr>
<tr>
    <td>
        <input type="submit" value="Submit">
        <input type="reset" value="Clear">
    </td>
</tr>
</table>
<table align="center" cellpadding="20">
    <tr>
        <td>
            <iframe width="600" height="300"
src="https://www.youtube.com/embed/DPnqb74Smug" frameborder="0"
allow="accelerometer; autoplay; encrypted-media; gyroscope; picture-in-picture"
allowfullscreen></iframe>
        </td>
    </tr>
</table>
</form>
<p style="text-align: center;">
    
</p>
</body>
</html>
```

Output:

127.0.0.1

IshaanOhr/Cerify Options Akshit8 Slack | I Abhishek Ra... Vellore Institute of Te... How to center a pict... 18BCE0265 IWP Lab... Dashboard Start Page

Hackathon Registration

Name

Registration Number

VIT Email

Mobile Number

Idea Description

Year First Second Third Fourth

Branch Computer Science Engineering

Domain Backend Web App Designer Other

Submit Clear



The screenshot shows a web browser window with a dark theme. The main content is a 'Hackathon Registration' form. Below the form is a YouTube thumbnail for a 'Learn HTML5 Full Course' tutorial, which includes a play button icon.

127.0.0.1

IshaanOhr/Cerify Options Akshit8 Slack | I Abhishek Ra... Vellore Institute of Te... How to center a pict... 18BCE0265 IWP Lab... Dashboard Start Page

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Domain Backend Web App Designer Other

Submit Clear



The second screenshot is identical to the first one, showing the same registration form and the same YouTube thumbnail for the HTML5 course. At the bottom of the page, there is a horizontal banner with the word 'HACKATHON' in large letters, accompanied by six small icons representing different stages or concepts of a hackathon: Brainstorm, Development, Programming, Timing, Teamwork, and Goal.

Question:

Write a program to demonstrate the concept of HTML Image mapping element.

1. Add an image of the cricket playground.
2. Use image mapping to give the details about the various fielding positions.(eg.Gully, slip etc., - write description about it and your favourite fielders at that point)

Code:**index.html**

```
<!DOCTYPE html>
<html>
    <head>
        <title>18BCE0265 ISHAAN OHRI</title>
    </head>
    <body>

        <p>CLICK ON FIELDING POSITION TO KNOW MORE INFORMATION</p>

        
        <map name="fielding-position">
            <area shape="rect" coords="315,240,355,280" alt="keeper"
onclick="keeper()">
            <area shape="rect" coords="200,460,240,500" alt="mid-off"
onclick="midoff()">
            <area shape="rect" coords="460,300,500,340" alt="mid-wicket"
onclick="midwicket()">
            <area shape="rect" coords="180,300,220,340" alt="point" onclick="point()">
            <area shape="rect" coords="450,90,490,130" alt="fine-leg"
onclick="fineleg()">
            <area shape="rect" coords="100,140,140,180" alt="third-man"
onclick="thirdman()">
        </map>

        <iframe id="iframe" height="400" width="400" style="border: 1px solid white;"></iframe>
    </body>

<script>
    function keeper() {
        document.getElementById("iframe").src="keeper.html";
    }
    function midoff() {
        document.getElementById("iframe").src="mid-off.html";
    }
    function midwicket() {
        document.getElementById("iframe").src="mid-wicket.html";
    }
}
```

```
function point() {
    document.getElementById("iframe").src="point.html";
}
function fineleg() {
    document.getElementById("iframe").src="fine-leg.html";
}
function thirdman() {
    document.getElementById("iframe").src="third-man.html";
}
</script>
</html>
```

fine-leg.html

```
<!DOCTYPE html>
<html>
    <body>
        <h1 align="center">Fine Leg – Rohit Sharma</h1>
        
    </body>
</html>
```

keeper.html

```
<!DOCTYPE html>
<html>
    <body>
        <h1 align="center">Wicket Keeper – MS Dhoni</h1>
        
    </body>
</html>
```

mid-off.html

```
<!DOCTYPE html>
<html>
    <body>
        <h1 align="center">Mid Off – Virat Kohli</h1>
        
    </body>
</html>
```

mid-wicket.html

```
<!DOCTYPE html>
<html>
    <body>
```

```
<h1 align="center">Mid Wicket – Hardik Pandya</h1>

</body>
</html>
```

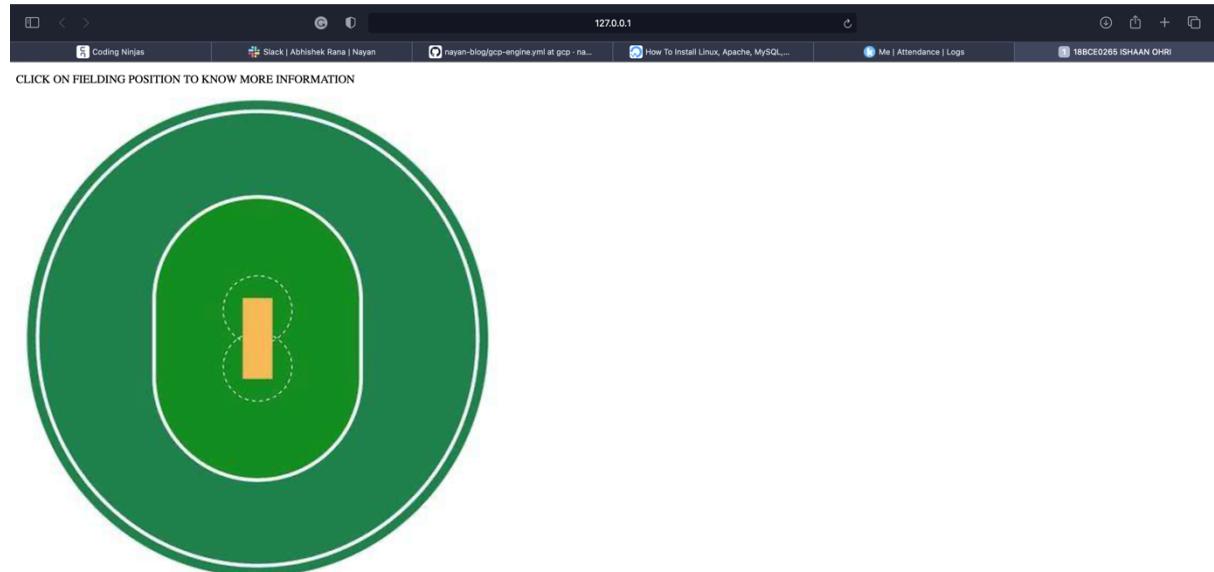
point.html

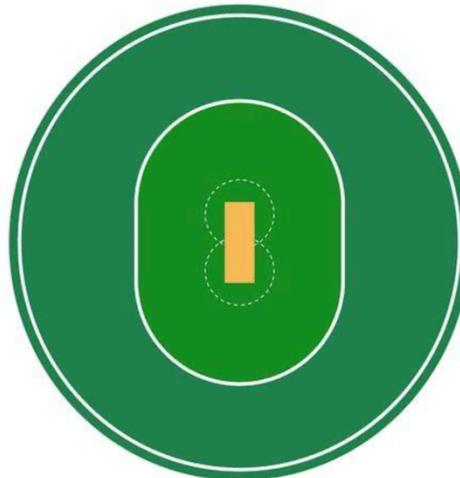
```
<!DOCTYPE html>
<html>
  <body>
    <h1 align="center">Point – Ravindra Jadeja</h1>
    
  </body>
</html>
```

third-man.html

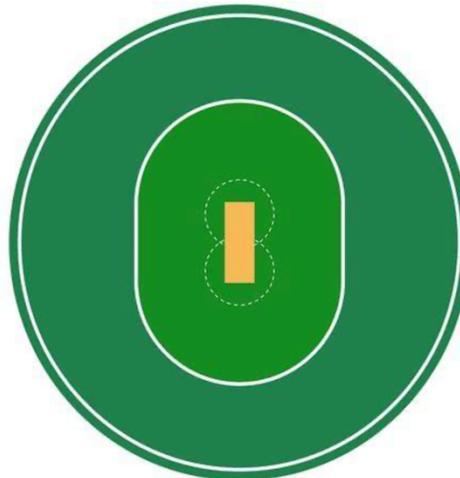
```
<!DOCTYPE html>
<html>
  <body>
    <h1 align="center">Third Man – Ishaan Ohri</h1>
    
  </body>
</html>
```

Output:



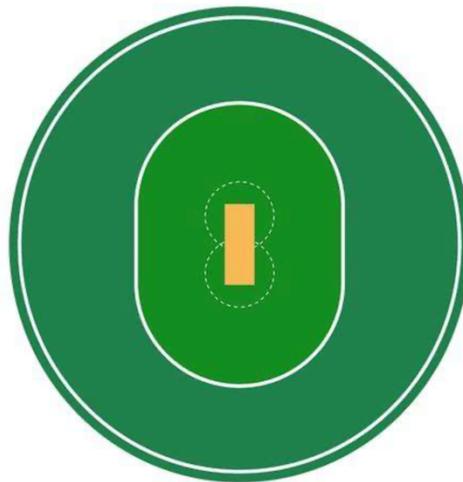


Fine Leg - Rohit Sharma

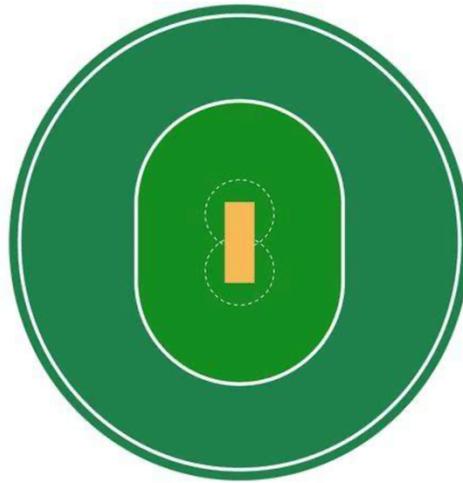
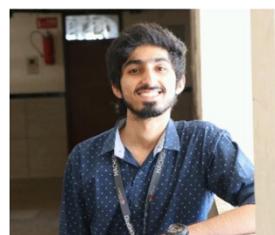


Point - Ravindra Jadeja





Third Man - Ishaan Ohri



Mid Off - Virat Kohli





Mid Wicket - Hardik Pandya



Wicket Keeper - MS Dhoni

