

# WEB PROGRAMMING ICP3

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## TASK 1

### BUILD THE GAME OF ROCK PAPER SCISSOR USING JAVASCRIPT

1. Added index.html and included all the required imports

```
<!DOCTYPE html>
<html lang="en">
<head>
  <!--Importing jquery to do validations-->
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <!--Importing the external javascript file-->
  <script src="javascript/script.js"></script>
  <!--Importing bootstrap-->
  <link rel="stylesheet" type="text/css" href="css/bootstrap/bootstrap.min.css">
  <!--Including the css file-->
  <link rel="stylesheet" href="css/styles.css">
</head>
```

2. Used bootstrap columns and included three different divs for rock paper and scissors along with button and img tag

```

<body class="container-fluid">
  <br>
  <br>
  <h2><i> Game begins. Choose Rock Paper or Scissors !!</i></h2>
  <br>
  <br>

  <div class="row" id="content">

    <!--Using bootstrap classes
    "img-fluid" class tells the browser not to expand the image larger
    than its original size.
    Treating the image as the button by adding button tag
    -->

    <div class="col-md-4">
      <button id="rock" class="btn">
        
      </button>
    </div>

    <div class="col-md-4">
      <button id="paper" class="btn">
        
      </button>
    </div>
    <div class="col-md-4">
      <button id="scissors" class="btn">
        
      </button>
    </div>
  </div>

```

### 3. Created an output tag to display the output of the game

```

<br>
<div>
  <h1 id="output"></h1>
</div>

```

4. In the javascript file, to capture the button click of the user I have written the below function.

```
$(function() {  
    $("button").click(function () {  
        let player1Choice = $(this).attr('id');  
        show(player1Choice);  
    });  
})  
|
```

5. For the Computer to pick random number I have written the below logic

```
function show(player1Choice) {  
    // using random number generator  
    let randomChoice = Math.random();  
    // declaring empty player2 choice to assign a random choice  
    let player2Choice='';  
  
    // Added Conditional statements to assign a choice to the player2 based on the random number generated  
    if (randomChoice<0.45)  
        player2Choice='rock';  
    else if (randomChoice<0.80)  
        player2Choice='paper';  
    else  
        player2Choice='scissors';  
}
```

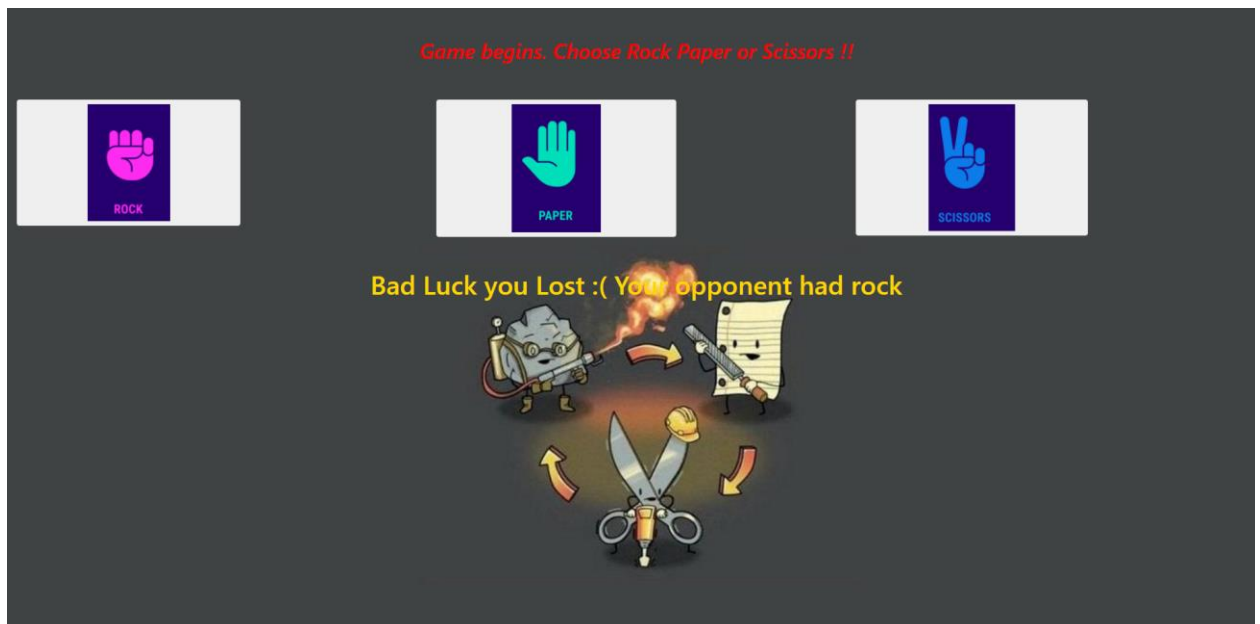
6. I have used the conditional statements to compare the users choice(player1) with the computers choice(player2) and assigned the output to the output tag.

```
// Conditions to display the output

if (player1Choice === player2Choice)
    document.getElementById("output").innerHTML = "Its a tie! Please Try again";

else if (player1Choice == "rock") {
    if (player2Choice == "scissors")
        document.getElementById("output").innerHTML = "Congrats you Won :) Your opponent had scissors" ;
    else
        document.getElementById("output").innerHTML = "Bad Luck you Lost :( Your opponent had Papers";
}
else if (player1Choice == "paper") {
    if (player2Choice == "rock")
        document.getElementById("output").innerHTML = "Congrats you Won :) Your opponent had rock";
    else
        document.getElementById("output").innerHTML = "Bad Luck you Lost :( Your opponent had scissors";
}
else if (player1Choice == "scissors") {
    if (player2Choice == "paper")
        document.getElementById("output").innerHTML = "Congrats you Won :) Your opponent had paper";
    else
        document.getElementById("output").innerHTML = "Bad Luck you Lost :( Your opponent had rock";
}
}
```

7. Here is the output of my Game Rock-Paper-scissors



## TASK 2

### RWD

#### 1. Added all the imports

```
<html>

<head>
  <title>RWD task</title>
  <meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
  <link rel="stylesheet" href="../../css/styles.css">
  <link rel="stylesheet" href="../../css/bootstrap.css">
  <link rel="stylesheet" href="../../css/bootstrap-theme.css">
</head>
<!--
```

#### 2. Made the content responsive using the required tags

```
</head>
<!--
  container-fluid class provides a full-width container which spans the entire width of the viewport.
  using img-responsive images automatically adjust to fit the size of the screen.
-->
<body>
  <div class="container-fluid">
    <div class="row">
      <div class="col-md-2">
        
      </div>

      <div class="col-md-10 text-right">
        <h1>AISHWARYA NAIDU KOTLA</h1>
        <h3 style="margin-bottom: 0">GRADUATE STUDENT AT UMKC SPRING 2022</h3>
      </div>
    </div>

    <hr/>
    <div class="row">
      <div class="col-md-12">
        
      </div>
    </div>
    <div class="row">
      <div class="col-md-12">
        <h2>Featured Work </h2>
      </div>
    </div>
  </div>
</div>
```

```

</div>
<div class="row">
  <div class="col-md-4 text-center">
    
    <h3>ICP-1</h3>
    <p><a href="https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP1" target="_blank">
      https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP1</a></p>
    </div>
    <div class="col-md-4 text-center">
      
      <h3>ICP-2</h3>
      <p><a href="https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP2" target="_blank">
        https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP2</a></p>
      </div>
      <div class="col-md-4 text-center">
        
        <h3>ICP-3</h3>
        <p><a href="https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP3" target="_blank">
          https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP3</a></p>
        </div>
      </div>
</div>
</body>
</html>

```

### 3. Here is the CSS logic.

I have added font as per the mock up

```

@font-face{
  font-family: customFont;
  src: url(Rambla-Regular.ttf);
}

```

Here are the colors I used as per the mockup

```

h1,h3{
  color: #747704;
}

h2{
  color: #BCBBBB;
}

```

```
a{  
  color: #747704;  
}  
  
a:hover {  
  color: #BCBBBB;  
}
```

4. Here is my final output which is responsive.



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### Featured Work



ICP-1

<https://github.com/AishwaryaKotla/webViz/tree/main/webForm/ICP1>



ICP-2

<https://github.com/AishwaryaKotla/webViz/tree/main/webForm/ICP2>



ICP-3

<https://github.com/AishwaryaKotla/webViz/tree/main/webForm/ICP3>





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Featured Work



ICP-1



ICP-2



ICP-3



Featured Work



ICP-1

<https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP1>



ICP-2

<https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP2>



ICP-3

<https://github.com/AishwaryaKotla/WebSpring2022/tree/main/WebPart/ICP3>