

# WEB PROGRAMMING ICP3

**RajendraKumar Ganji**

Email: [rgn42@umkc.edu](mailto:rgn42@umkc.edu)

GitHub: <https://github.com/Rajendraganji/WebCourse2022/tree/main/WebPart/ICP3>

**Name: Vishnumonish Kankanala**

Email: [VKM5P@umsystem.edu](mailto:VKM5P@umsystem.edu)

GitHub: [https://github.com/Vishnumonish/web-development/tree/main/ICP\\_3](https://github.com/Vishnumonish/web-development/tree/main/ICP_3)

## TASK 1

### ROCK PAPER SCISSOR GAME USING JAVASCRIPT

1. Created index.html and included all the imports which are required

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

You, 11 minutes ago • Added all the files

2. Below code is to include three different divisions for rock ,paper and scissors along with button and image tag.

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

You, 12 minutes ago • Added all the files

```
<!--Following is the bootstrap classes
"img-fluid" class is a property that tells the browser not to expand the image larger
than its original size.
-->
<!-- Paper image -->
<div class="col-md-4">
  <button id="paper" class="btn">
    
  </button>
</div>
<!-- Rock image -->
<div class="col-md-4">
  <button id="rock" class="btn">
    
  </button>
</div>
<!-- Scissor image -->
<div class="col-md-4">
  <button id="scissors" class="btn">
    
  </button>
</div>
</div>
```

3. Below is the output tag which shows who is the final winner of the game.

```
<div>
  <h1 id="output"></h1>
</div>
</body>
</html>
```

4. Below logic will capture the button click of the player choice and later used it for comparing it with the computer

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

## 5. Below logic is to computer to pick random number

```
// lets generate random number
let randomChoice = Math.random();
// declaring empty player2 choice to assign a random choice
let playertwoChoice='';

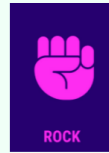
// Added Conditional statements to assign a choice to the player2 based on the random number generated
if (randomChoice<0.45)
    playertwoChoice='rock';
else if (randomChoice<0.80)
    playertwoChoice='paper';
else
    playertwoChoice='scissors';
```

## 6. We have used the conditional if else statements to compare the player choice(player1) with the computers choice(player2) and then decided who is the winner and loser.

```
// if else conditions to decide who have won the game
if (playeroneChoice === playertwoChoice)
    document.getElementById("output").innerHTML = "your opponent picked the same. It's a tie";
else if (playeroneChoice == "rock") {
    if (playertwoChoice == "scissors")
        document.getElementById("output").innerHTML = "Your opponent had scissors. you have won the game!!!";
    else
        document.getElementById("output").innerHTML = "Your opponent had Papers. You have lost the game";
}
else if (playeroneChoice == "paper") {
    if (playertwoChoice == "rock")
        document.getElementById("output").innerHTML = "Your opponent had rock. you have won the game";
    else
        document.getElementById("output").innerHTML = "Your opponent had scissors. You have lost the game";
}
else if (playeroneChoice == "scissors") {
    if (playertwoChoice == "paper")
        document.getElementById("output").innerHTML = "Your opponent had paper. you have won the game";
    else
        document.getElementById("output").innerHTML = "Your opponent had rock. You have lost the game";
}
}
```

## 7. Below is the output of Rock-Paper-scissors Game

## Rock-Paper-Scissor Game . Let's Play



Your opponent had Papers. You have lost the game

### 8. CSS File

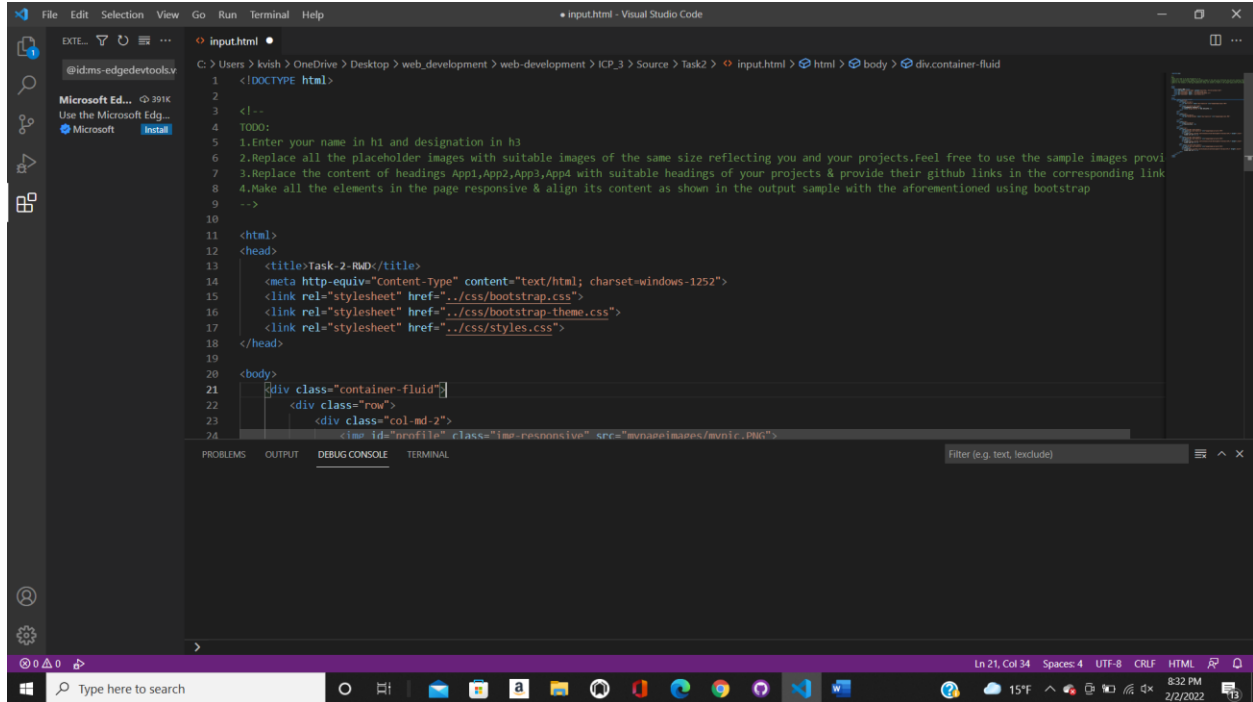
```
1  img {
2    height: 36%;
3    width: 36%;
4  }
5
6  h1{
7    text-align: center;
8    color: gold;
9  }
10 backgroundcolor{
11   color: red;
12 }
13 h2{
14   text-align: center;
15   color: red;
16 }
17
18 body {
19   background-color: rgb(240, 255, 247);
20 }
```

---

You, 13 minutes ago • Added all the files

## Task2 - Responsive web design using bootstrap

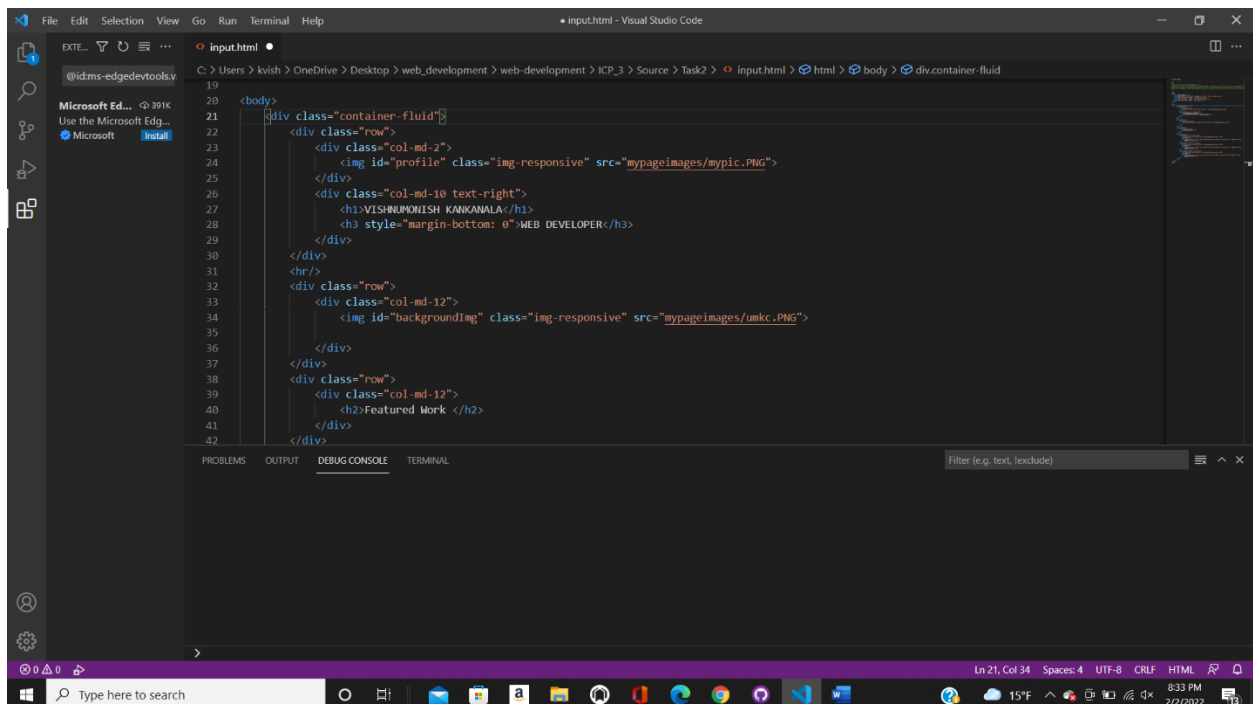
Added the bootstrap import files in the head tag



The screenshot shows the Visual Studio Code editor with a file named 'input.html'. The code is an HTML document with a head section containing a title 'Task-2-RWD' and meta tags for content type and charset. It also includes links to 'bootstrap.css', 'bootstrap-theme.css', and a custom 'styles.css'. The body section starts with a 'div.container-fluid' containing a 'div class="row"' and a 'div class="col-md-2"' with an image placeholder.

```
1 <!DOCTYPE html>
2
3 <!--
4 TODO:
5 1.Enter your name in h1 and designation in h3
6 2.Replace all the placeholder images with suitable images of the same size reflecting you and your projects.Feel free to use the sample images provi
7 3.Replace the content of headings App1,App2,App3,App4 with suitable headings of your projects & provide their github links in the corresponding link
8 4.Make all the elements in the page responsive & align its content as shown in the output sample with the aforementioned using bootstrap
9 -->
10
11 <html>
12 <head>
13   <title>Task-2-RWD</title>
14   <meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
15   <link rel="stylesheet" href=" ../css/bootstrap.css">
16   <link rel="stylesheet" href=" ../css/bootstrap-theme.css">
17   <link rel="stylesheet" href=" ../css/styles.css">
18 </head>
19
20 <body>
21   <div class="container-fluid">
22     <div class="row">
23       <div class="col-md-2">
24         
25       </div>
26     </div>
27   </body>
```

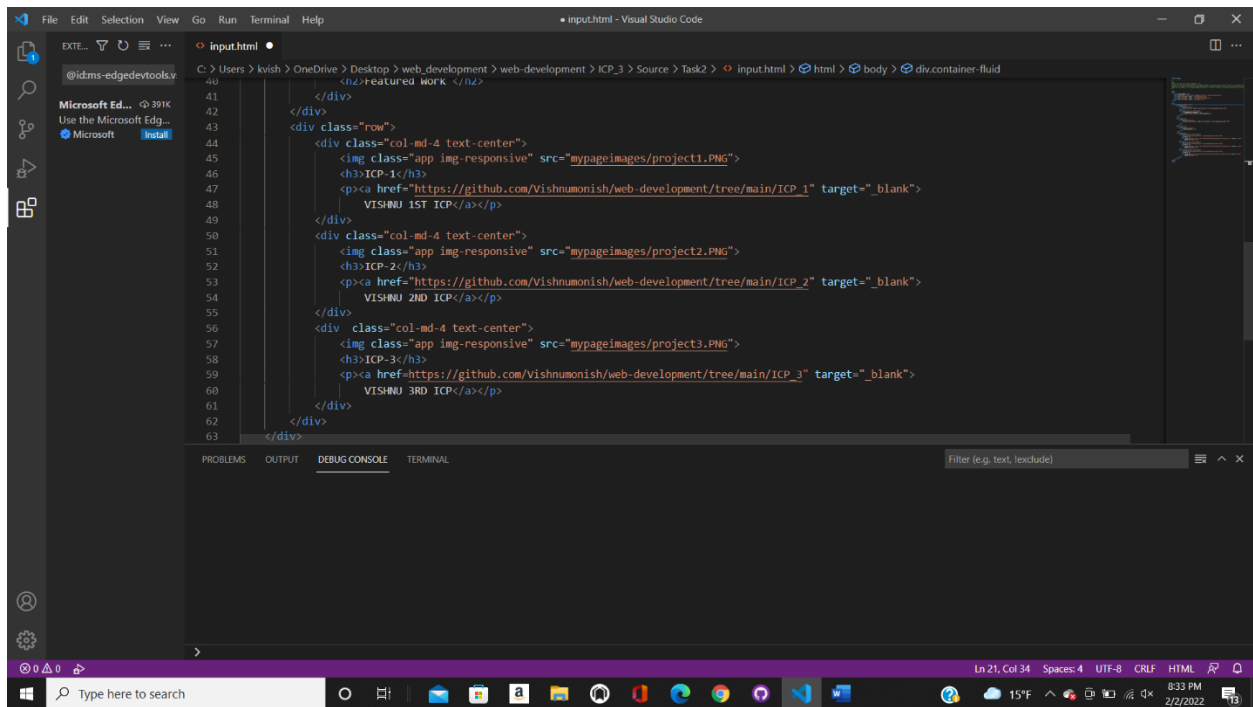
Used the tags and classes which makes the content responsive



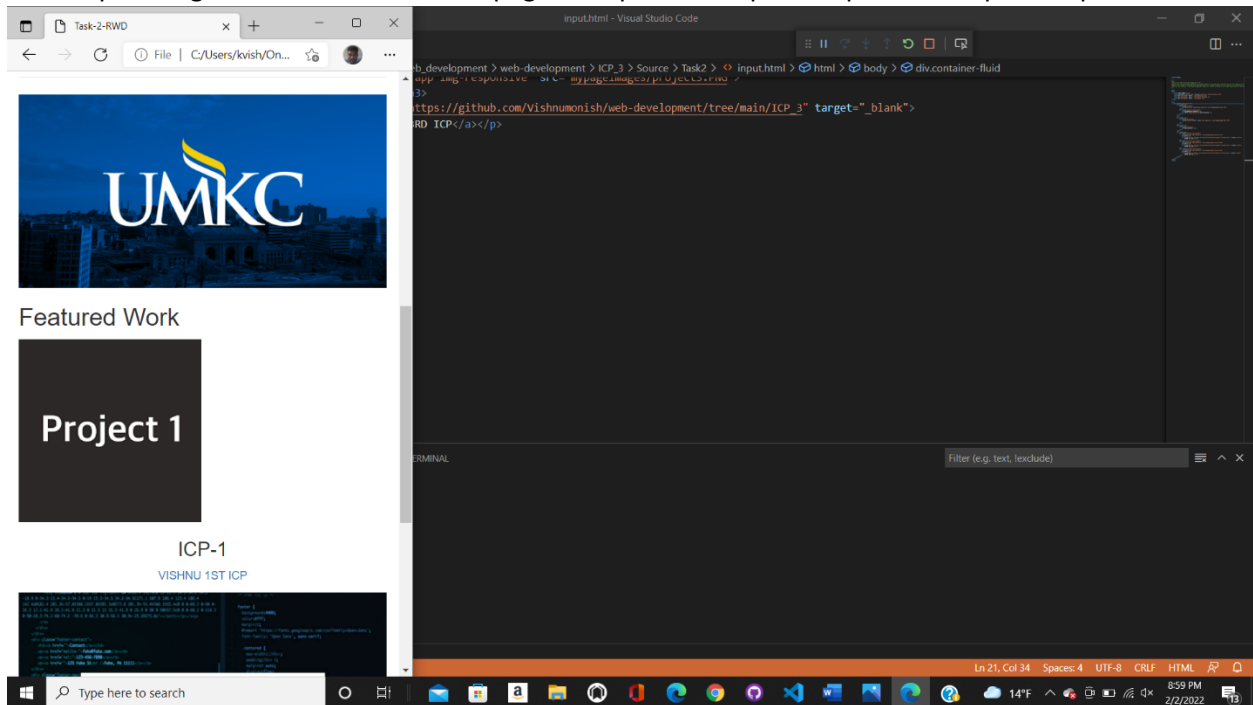
The screenshot shows the Visual Studio Code editor with the same 'input.html' file, now containing more complete HTML code. It includes a 'div class="col-md-10 text-right"' with an 'h1' and 'h3' for a profile section, followed by a 'div class="col-md-12"' for a background image, and another 'div class="col-md-12"' for featured work.

```
19
20 <body>
21   <div class="container-fluid">
22     <div class="row">
23       <div class="col-md-2">
24         
25       </div>
26       <div class="col-md-10 text-right">
27         <h1>VISHNUNATH KANKAMALA</h1>
28         <h3 style="margin-bottom: 0">WEB DEVELOPER</h3>
29       </div>
30     </div>
31     <hr/>
32     <div class="row">
33       <div class="col-md-12">
34         
35       </div>
36     </div>
37     <div class="row">
38       <div class="col-md-12">
39         <h2>Featured Work </h2>
40       </div>
41     </div>
42   </div>
43 </body>
```

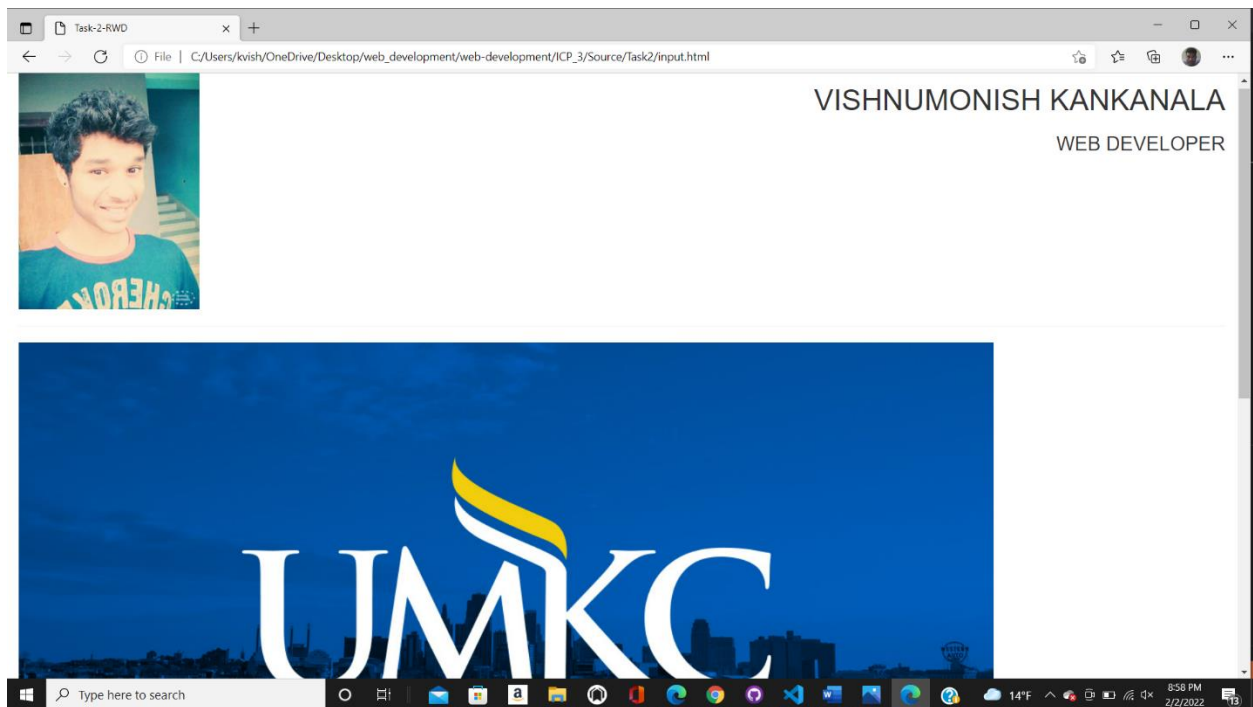
Added the sample images which will be displayed in the website



The output images which shows the webpage is responsive as per samplebootstrapmockup file



Responsive page in when the screen is maximized



Responsive page working while minimizing the screen

