WEB PROGRAMMING ICP3

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TASK 1

ROCK PAPER SCISSOR GAME USING JAVASCRIPT

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

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <!--includimg 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.**

```html
<div class="row" id="content">
```
```html
    <!--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">
            <img src="paper.png" alt="paper" class="img-fluid">
        </button>
    </div>
    <!-- Rock image -->
    <div class="col-md-4">
        <button id="rock" class="btn">
            <img src="rock.png" alt="rock" class="img-fluid">
        </button>
    </div>
    <!-- Scissor image -->
    <div class="col-md-4">
        <button id="scissors" class="btn">
            <img src="scissors.png" alt="scissors" class="img-fluid">
        </button>
    </div>
</div>

</div>
```

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

```html
    <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**

```javascript
$(function() {
    $("button").click(function () {

        let playeroneChoice = $(this).attr('id');
        show(playeroneChoice);

    });
})
```

5. Below logic is to computer to pick random number

```
// lets gererate 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)        You, 8 minutes ago • Added all the files
    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
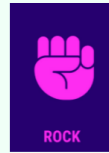
Your opponent had Papers. You have lost the game

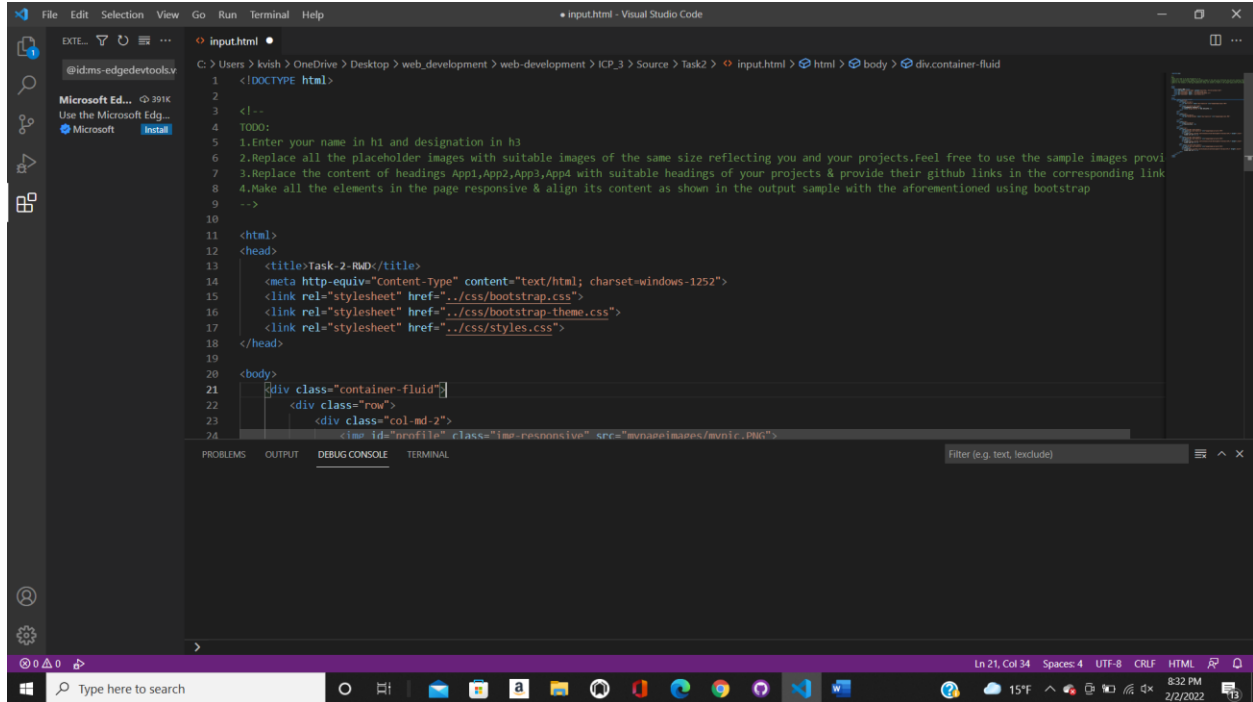**8. CSS File**

```css
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
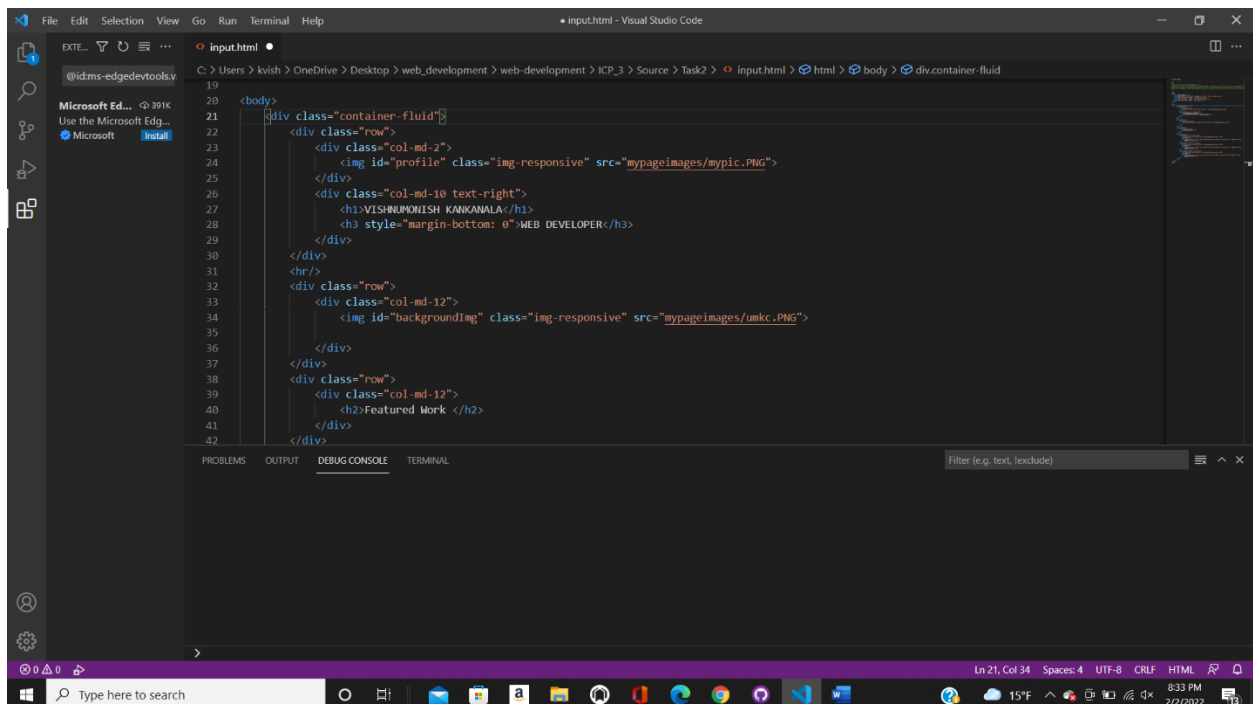
Added the bootstrap import files in the head tag

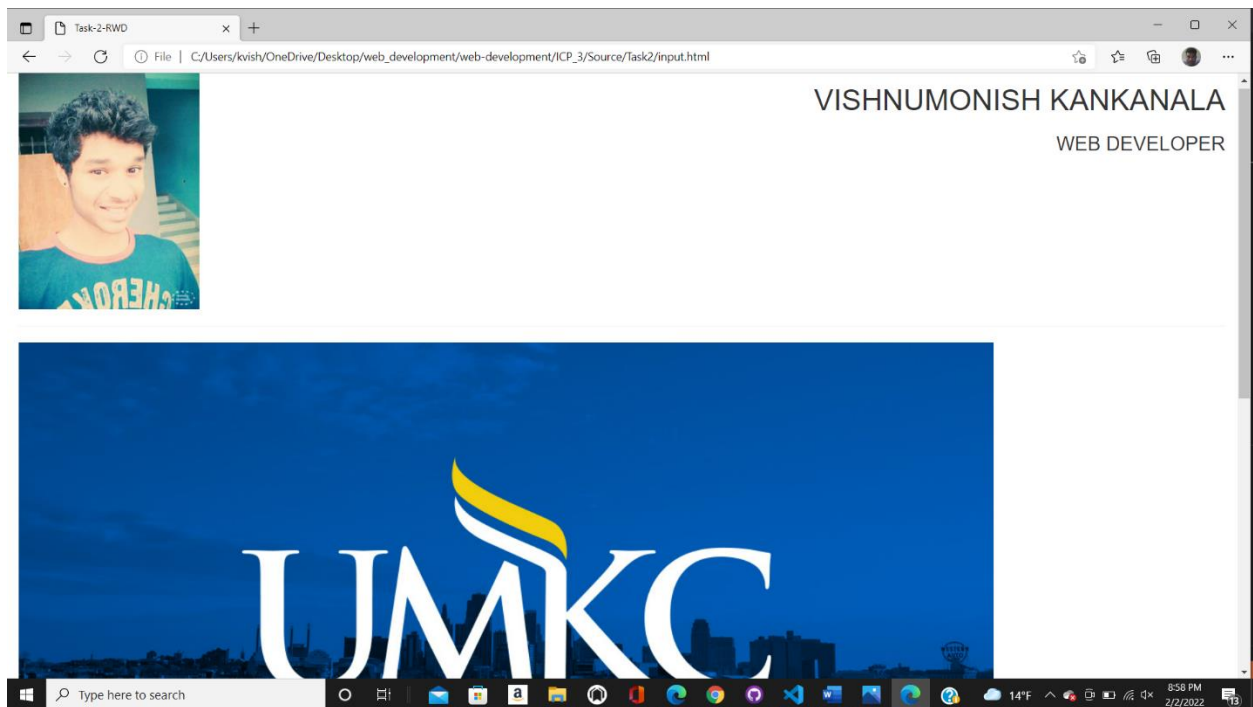Used the tags and classes which makes the content responsive

Added the sample images which will be displayed in the website
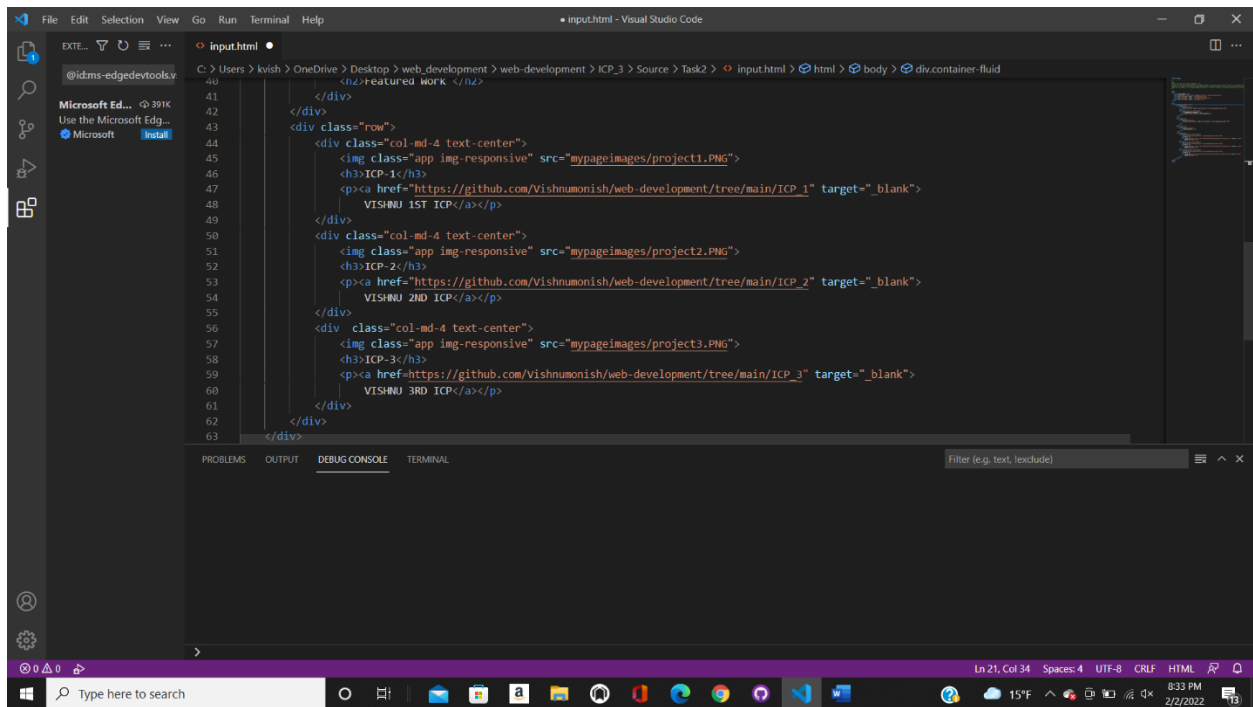
The output images which shows the webpage is responsive as per samplebootstrapmockup file
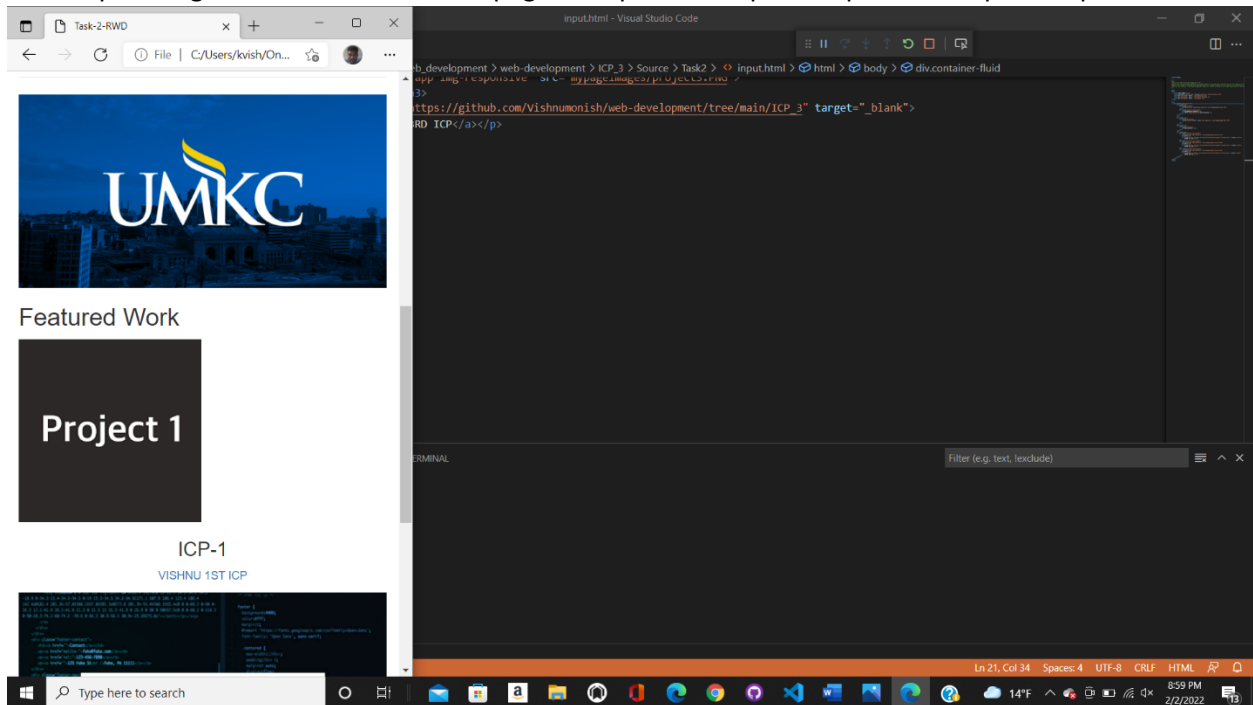
Responsive page in when the screen is maximized

Responsive page working while minimizing the screen