

ICP3

Name: Aqdus Charolia

Email: aacy5x@mail.umkc.edu

Github: https://github.com/Aqdusc/WebDevCourse/tree/main/Web_Development/ICP3

Name: Affan Charolia

Email: aacbb8@mail.umkc.edu

Github: https://github.com/Affancharolia/WebDevCourse/tree/main/Web_Development/ICP3

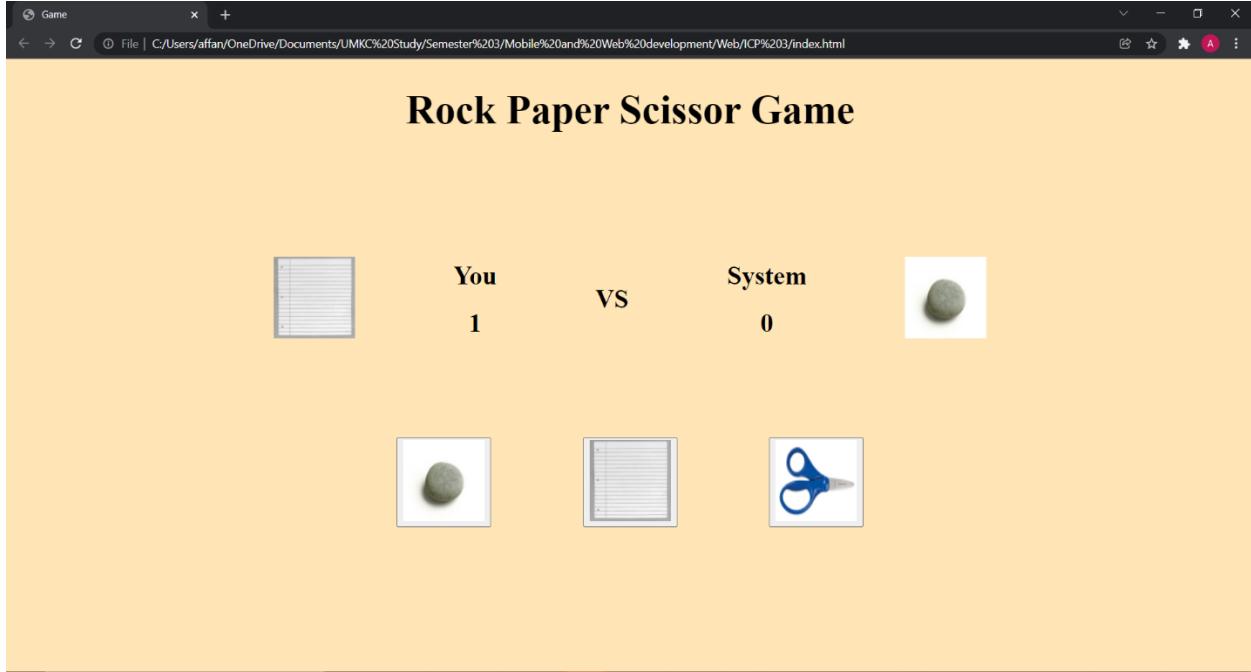
Task 1: To build a rock paper and scissor game

The goal of this ICP is to create a rock paper and scissor game. You score points when rock beats scissor, scissor beats paper and when paper beats rock. You lose point in an opposite situation. The website is built using html, CSS, and JavaScript. The score and the selected choice image get updated using the JavaScript when you click on one of the choice buttons.

Initial start page



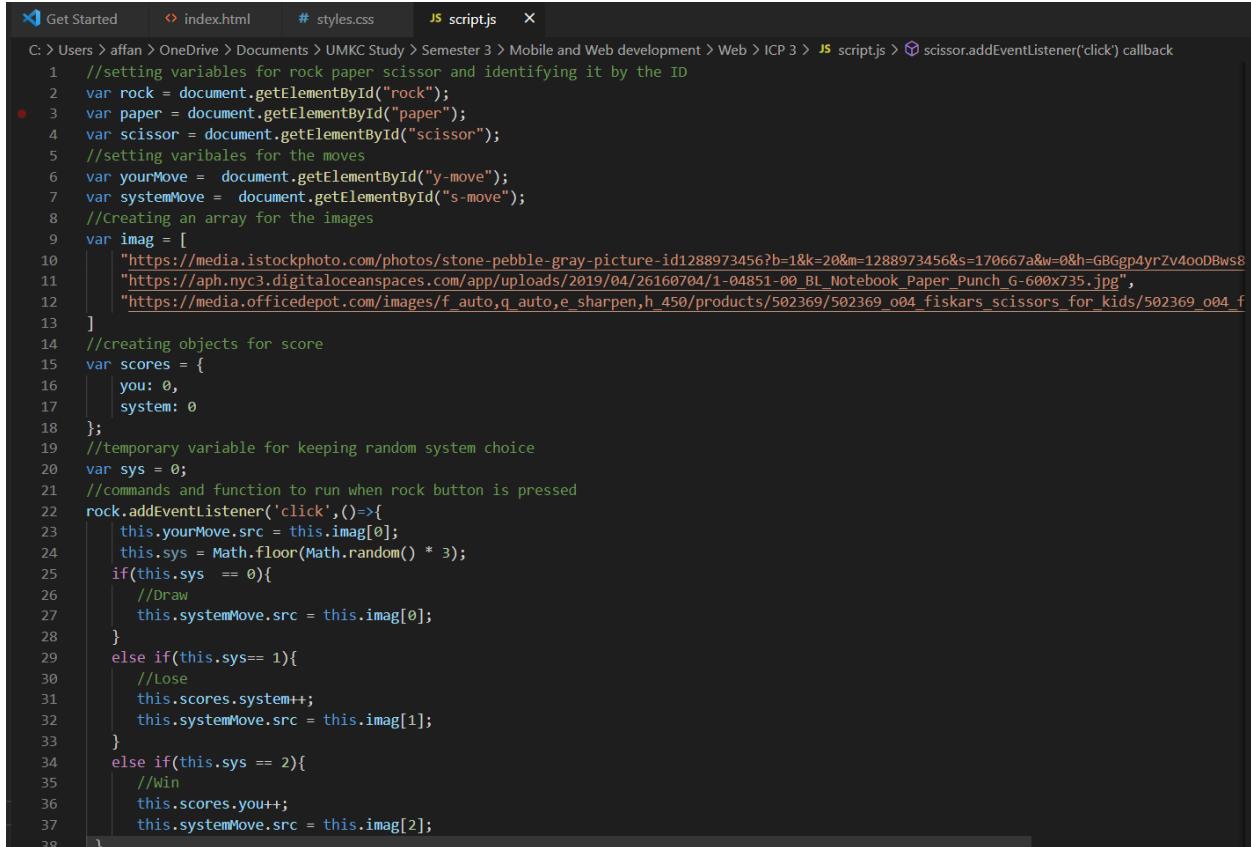
Selecting paper as option. Since you win the score is updated.



Selecting scissor button. Since you lose the system gets the point.



The JavaScript code deals with updating the score and the choice image when a button is selected from rock, paper, or scissor. When any one of the three button is pressed, the image of the button you selected gets updated, then a random number is generated and form that we get a random system choice. The system choice image is taken from the “imag” array and its updated two. Based on if you draw, win, or lose the scores are updated and displayed on the screen.



```
Get Started index.html styles.css script.js X
C: > Users > affan > OneDrive > Documents > UMKC Study > Semester 3 > Mobile and Web development > Web > ICP 3 > script.js > scissor.addEventListener('click') callback
1 //setting variables for rock paper scissor and identifying it by the ID
2 var rock = document.getElementById("rock");
3 var paper = document.getElementById("paper");
4 var scissor = document.getElementById("scissor");
5 //setting variables for the moves
6 var yourMove = document.getElementById("y-move");
7 var systemMove = document.getElementById("s-move");
8 //Creating an array for the images
9 var imag = [
10     "https://media.istockphoto.com/photos/stone-pebble-gray-picture-id1288973456?b=1&k=20&m=1288973456&s=170667a&w=0&h=GBGgp4yrZv4ooDBws8",
11     "https://aph.nyc3.digitaloceanspaces.com/app/uploads/2019/04/26160704/1-04851-00_BL_Notebook_Paper_Punch_G-600x735.jpg",
12     "https://media.officedepot.com/images/f_auto,q_auto,e_sharpen,h_450/products/502369/502369_004_fiskars_scissors_for_kids/502369_004_f
13 ]
14 //creating objects for score
15 var scores = {
16     you: 0,
17     system: 0
18 };
19 //temporary variable for keeping random system choice
20 var sys = 0;
21 //commands and function to run when rock button is pressed
22 rock.addEventListener('click', ()=>{
23     this.yourMove.src = this.imag[0];
24     this.sys = Math.floor(Math.random() * 3);
25     if(this.sys == 0){
26         //Draw
27         this.systemMove.src = this.imag[0];
28     }
29     else if(this.sys== 1){
30         //Lose
31         this.scores.system++;
32         this.systemMove.src = this.imag[1];
33     }
34     else if(this.sys == 2){
35         //Win
36         this.scores.you++;
37         this.systemMove.src = this.imag[2];
38 }
```

```

39     this.updateScore();
40   });
41   //commands and function to run when paper button is pressed
42   paper.addEventListener('click',()=>{
43     this.yourMove.src = this.imag[1];
44     this.sys = Math.floor(Math.random() * 3);
45     if(this.sys == 1){
46       //Draw
47       this.systemMove.src = this.imag[1];
48     }
49     else if(this.sys == 2){
50       //Lose
51       this.scores.system++;
52       this.systemMove.src = this.imag[2];
53     }
54     else if(this.sys == 0){
55       //Win
56       this.scores.you++;
57       this.systemMove.src = this.imag[0];
58     }
59     this.updateScore();
60   });
61   //commands and function to run when scissor button is pressed
62   scissor.addEventListener('click',()=>{
63     this.yourMove.src = this.imag[2];
64     this.sys = Math.floor(Math.random() * 3);
65     if(this.sys == 2){
66       //Draw
67       this.systemMove.src = this.imag[2];
68     }
69     else if(this.sys == 0){
70       //Lose
71       this.scores.system++;
72       this.systemMove.src = this.imag[0];
73     }
74     else if(this.sys == 1){
75       //Win|
76     }
77     this.scores.you++;
78     this.systemMove.src = this.imag[1];
79   });
80   this.updateScore();
81 });
82 //display the updated changed score on the screen
83 function updateScore(){
84   console.log(this.scores)
85   document.getElementById("y-score").textContent = this.scores.you;
86   document.getElementById("s-score").textContent = this.scores.system;
87 }
88

```

Task 2: To Create A RWD Webpage that is an Responsive Webpage i.e. it changes/ refactors itself when the screen dimensions are changed to match the display, keeping all the elements in the view without cutting them out using BootStrap. Aim is to develop a webpage in layout like the mock-up page provided by the professor.

Mock-Up Webpage



STEVE SMITH
FRONT-END DEVELOPER

Featured Work

 APPIFY
<https://github.com/kwxc5/Appify/>

 SUNFLOWER
<https://github.com/kwxc5/Sunflower/>

 BOKEH
<https://github.com/kwxc5/Bokeh/>

My Webpage Using Bootstrap for Layout and RWD



AQDUS CHAROLIA
MSc in Computer Science

Featured Work

 Covid-19 Detection using
Chest X-Ray Images
[Github Link](#)

 Stress Detection of Plants
using Thermal Imaging
[Github Link](#)

 Heart Disease Prediction
System
[Github Link](#)

 AdaBin
[Github Link](#)

ScreenShots/ Code Explanation:

Main Technique Used in this ICP task is using bootstrap to develop the layout of a webpage instead of css.

1. When the Screen is lg

AQDUS CHAROLIA
MSc in Computer Science

Featured Work

Covid-19 Detection using Chest X-Ray Images [Github Link](#)

Stress Detection of Plants using Thermal Imaging [Github Link](#)

Heart Disease Prediction System [Github Link](#)

AdaBin [Github Link](#)

The screenshot shows a professional profile page. At the top left is a small portrait of a man. To the right is his name, "AQDUS CHAROLIA", and his degree, "MSc in Computer Science". Below this is a large block of HTML code. Underneath the code, the heading "Featured Work" is displayed above a grid of five project thumbnails. Each thumbnail includes a brief description and a "Github Link".

2. When the Screen is md



AQDUS CHAROLIA

MSc in Computer Science

```
<html> </html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0"/>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"/>
    <meta name="description" content="A simple web page with a title and some text."/>
    <meta name="author" content="AQDUS CHAROLIA"/>
    <meta name="keywords" content="HTML, CSS, JavaScript, Web Development"/>
    <meta name="robots" content="index, follow"/>
    <meta name="viewport" content="width=device-width, initial-scale=1.0"/>

```

Featured Work



Covid-19 Detection using Chest X-Ray Images

[Github Link](#)



Stress Detection of Plants using Thermal Imaging

[Github Link](#)



Heart Disease Prediction System

[Github Link](#)



AdaBin

[Github Link](#)

3. When the display is sm



AQDUS CHAROLIA
MSc in Computer Science

```
<html> <!-- htm
<head>
    <meta name=
    <meta http-e
    <meta name="
    <meta name="o
    <meta name="A
    <meta name="d
    <meta name="d
```

Featured Work



Covid-19 Detection using Chest X-Ray
Images

[Github Link](#)



Stress Detection of Plants using Thermal
Imaging

[Github Link](#)



Heart Disease Prediction System

[Github Link](#)



AdaBin

[Github Link](#)

```

<!DOCTYPE html>

<!--
TODO:
1.Enter your name in h1 and designation in h3
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 provided
3.Replace the content of headings App1,App2,App3,App4 with suitable headings
of your projects & provide their github links in the corresponding links
4.Make all the elements in the page responsive & align its content as shown
in the output sample with the aforementioned using bootstrap

-->

<html lang="en">
<head>
    <title>RWD Task</title>
    <meta content="text/html; charset=windows-1252" http-equiv="Content-Type">
        <!-- Adding the Google Font api for the Lato Font -->
        <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Lato">
            <!-- Adding the Bootstrap css files to use in the HTML file -->
            <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
" rel="stylesheet" integrity="sha384-1BmE4kBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">
                <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.mi
n.js" integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBOOLRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
                    <!-- Setting all the Text in the webpage to the lato font and the color.
-->
<style>
    body{
        font-family: "Lato", sans-serif;
        color: #747704;
    }
</style>
</head>
<body>
    <!--Using the Fluid container class in the bootstrap layout css it spans the
entire viewport
    All the layout comes in the container as for this icp -->
<div class="container-fluid" style="padding: 3% 10%">
    <!-- Creating the grid to make the layout according to the mock-up -->
<div class="row">
    <!-- Here we make add the RWD feature with class col that is lg-6 means
half the viewport is occupied when the large screen
        is in use
        md-6 is when the screen is resized to medium
        and sm-4 is when the screen is made very small it will occupy only 1/3

```

```

of the viewport.-->
    <div class=" col-lg-6 col-md-6 col-sm-4"></div>
    <div class=" col-lg-6 col-md-6 col-sm-8" style="text-align: right">
        <h1>AQDUS CHAROLIA</h1>
        <h4>MSc in Computer Science</h4>

    </div>
</div>
    <!-- Here we develop the horizontal break line with 5 px height to match
the mock-up page -->
<hr style="height: 5px; color: lightgrey">
<div>
    <!-- Setting the width to 100% so that the images remain alligned with
the container dimension
        Done for all images-->
    
</div>
<div>
    <h2 style="color: lightgrey">Featured Work </h2>
</div>
<div class="row">
    <!-- Here we make add the RWD feature with class col that is lg-4 means
1/3 the viewport is occupied when the large screen
        is in use
        md-6 is when the screen is resized to medium
        and sm-12 is when the screen is made very small it will occupy
fullvviewport.-->
    <div class=" col-lg-4 col-md-6 col-sm-12">
        
        <h3 style="text-align: center">Covid-19 Detection using Chest X-Ray
Images</h3>
        <!-- Reference Link opens Github Project -->
        <p style="text-align: center"><a
href="https://github.com/Aqdusc/COVID-19-Analysis" target="_blank"
style="color:#747704">Github Link</a></p>
    </div>
    <div class=" col-lg-4 col-md-6 col-sm-12">
        
        <h3 style="text-align: center">Stress Detection of Plants using
Thermal Imaging</h3>
        <!-- Reference Link opens Github Project -->
        <p style="text-align: center"><a
href="https://github.com/Aqdusc/Stress-detection" target="_blank"
style="color:#747704;">Github Link</a></p>
    </div>
    <div class=" col-lg-4 col-md-6 col-sm-12">
        
        <h3 style="text-align: center">Heart Disease Prediction System</h3>
        <!-- Reference Link opens Github Project -->
        <p style="text-align: center"><a
href="https://github.com/Aqdusc/Heart-Disease-Prediction" target="_blank"
style="color:#747704">Github Link</a></p>

```

```
</div>
<div class=" col-lg-4 col-md-6 col-sm-12">
    
    <h3 style="text-align: center">AdaBin</h3>
    <!-- Reference Link opens Github Project -->
    <p style="text-align: center"><a
href="https://github.com/Aqdusc/AdaBins" target="_blank"
style="color:#747704">Github Link</a></p>
</div>

</div>
</div>

</body>
</html>
```