

CS2201- APPLICATION DEVELOPMENT PRACTICES

(Regulation 2022)

Project Report

Name of the Student : RAMYA S

Number Register : 22AD096

Year / Semester / Section : 1ST Year / II sem / B

Branch : Artificial Intelligence and Data Science

Project Title : **GAME WIZ**

Department of Science & Humanities



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BONAFIDE CERTIFICATE

This is to certify that the work entitled
.....GAME WIZ..... bonafide project done by
Mr./Ms.....RAMYA S.....of II semester
.....AI DS-B..... in the Application
Development Practices -CS2201 during the academic year 2022 - 2023

Staff – in – Charge

Head of the Department

CHAPTER 1: Description of “GAME WIZ”

OBJECTIVES:

The objective of building this gaming website using HTML, CSS and JAVASCRIPT is to create a visually appealing, user-friendly, and functional online page that helps them to connect and it eases the player’s mental stress. The website should provide an engaging and seamless experience to users, providing multiple gaming to improve their logical thinking ability.

INTRODUCTION:

“GAME WIZ” is basically a gaming webpage created by Ramya S from the Department of Artificial Intelligence and Data Science-B/1st Year. The stack used to create this webpage is HTML, CSS, and JAVASCRIPT. This webpage is built with a Home page, explore page with two games namely

- **TIC-TAC-TOE**
- **ROCK-PAPER-SCISSOR**

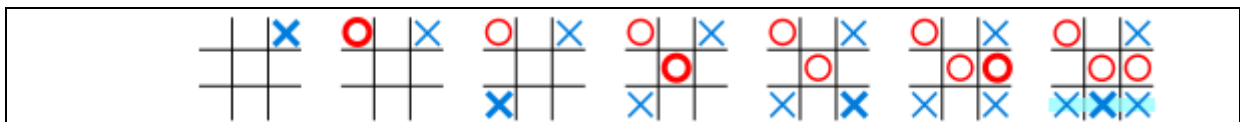
And with a login page where the user can log in as well as signup too.

OVERVIEW OF GAMES:

TIC-TAC-TOE:

Tic-tac-toe is played on a three-by-three grid by two players, who alternately place the marks X and O in one of the nine spaces in the grid.

In the following example, the first player (X) wins the game in seven steps:



ROCK-PAPER-SCISSOR:

Rock-Paper-Scissors (RPS), a game of cyclic dominance, is not merely a popular children's game but also a basic model system for studying decision-making in non-cooperative strategic interactions. Aimed at students of **physics with no background in game theory, this paper introduces the** concepts of Nash equilibrium and evolutionarily stable strategy and reviews some recent theoretical and empirical efforts on the non-equilibrium properties of the iterated RPS, including collective cycling, conditional response patterns, and microscopic mechanisms that facilitate cooperation. We also introduce several dynamical processes to illustrate the applications of RPS as a simplified model of species competition in ecological systems and price cycling in economic markets.



Each of the three basic hand signs (from left to right: rock, paper, and scissors) beats one of the other two, and loses to the other.

The players may start by counting to three aloud, or by speaking the name of the game.

FEATURES:

- In this gaming webpage called “**GAME WIZ**” , the user can explore two games
 - **TIC-TAC-TOE**
 - **ROCK-PAPER-SCISSOR**
- It eases the player's mental stress.
- The user can create an account and login into this page and also can sign up.

SOURCE CODE

CONTENTS

- **HOME PAGE:**
 - **HTML WITH INTERNAL CSS SHEET**
- **EXPLORE PAGE:**
 - **HTML WITH INTERNAL CSS SHEET**
- **GAMES:**
 - **TIC-TAC-TOE:**
 - **HTML WITH INTERNAL CSS SHEET**
 - **JAVASCRIPT**
 - **ROCK-PAPER-SCISSOR:**
 - **HTML**
 - **CSS**
 - **JAVASCRIPT**
- **LOGIN PAGE**
 - **HTML**
 - **CSS**
 - **JAVASCRIPT**

HOME PAGE:

HTML CODE:

```
<!DOCTYPE html>
<head>

    <meta charset="UTF=8">
    <meta http-equiv="X-UA-Compatible"content="IE edge">
    <meta name="view point"content="width-devices-width,intial-scale=1.0">
    <title>game wiz</title>
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.3/css/all.min.css">
    <link rel="stylesheet" href="C:\Users\Ramya\OneDrive\New
folder\#style.css">
<style>
    @import
url('https://fonts.googleapis.com/css2?family=Nabla&display=swap');
    :root{
        --pink:#e84393;
    }
    *{
        margin:0;
        padding: 0;
        box-sizing: border-box;
        font-family: Verdana, Geneva, Tahoma, sans-serif;
        outline: none;border: none;
        text-decoration: none;
        text-transform: capitalize;
        transition: .2s linear;
    }
    body{
        background-image:url("bgnd.jpg");
        image-resolution: large;
    }

    html{
        font-size: 100%;
        scroll-behavior: smooth;
        scroll-padding-top: 6rem;
        overflow-x: hidden;
    }

    section{
        padding:2rem 9%;
    }
    .Home{
        display:flex;
```

```

        color:black;
        font-size: xx-large;
        font-family:'Lucida Sans', 'Lucida Sans Regular', 'Lucida Grande',
'Lucida Sans Unicode';
        align-items: center;
        min-height: 100vh;
        background: url(bgimage.jpg) no-repeat;
        background-size: cover;
        background-position: center;
        font-family: 'Nabla', cursive;
    }
    .A{
        position: fixed;
        top: 0;left: 0;right: 0;
        padding: 2rem 9%;
        display:flex;
        align-items: center;
        justify-content: space-between;
        z-index: 1000;
    }

    A.logo {
        font-size: 4rem;
        color: black;
        font-weight: bolder;
        font-family: 'Nabla', cursive;
    }

    div .logo span {
        color: var(--pink);
    }

    div .navbar a {
        font-family: 'Nabla', cursive;
        font-size: 3rem;
        padding: 0 1.5rem;
        color: black;
        font-weight: 600;
    }

    div .navbar a:hover {
        color: var(--pink);
    }

    div #toggler {
        display: none;
    }
    .content .i1{

```

```

        font-family: 'Nabla', cursive;
    }

    .icons-container .icons{
        background:white;
        border:black;
        padding:.5rem;
        align-items: center;
        flex: .1rem;
    }

    .icons-container .icons img{
        height:3rem;
        margin-right: 1rem;
    }

    .icons-container .icons h3{
        color:black;
        padding-bottom: .5rem;
        font-size: 1.5rem;
    }

    .icon-container .icons img{
        position:relative;
    }
</style>
</head>
<body>
    <div class="A">
        <a href="gamewiz.html" class="logo">Game wiz </a>
        <nav class="navbar">
            <a href="gamewiz.html">Home</a>
            <a href="explore.html">Game</a>
            <a href="loginandregister.html">Login</a>
        </nav>
    </div>
    <section class="Home" id="Home">

        <div class="content">
            <h1 class="i1">Games on!!</h1>
            <h3 class="i1">The best games out there</h3>
            <h5 class="i1">Play games!!<br/>both online and offline</h5><br/>
            <button type="reference" style="background-color:beige;border-
color:black;width:200px;height:50px;"><h2><a href="explore.html" class="btn"
style="color: black;">Explore</a></h2></button>
        </div>
    </section>
    <section class="icons-container">

```



```

    <div class="icons">
      
      <div class="info">
        <h3>copyrights</h3><footer>&copy; 2023</footer>
        <span>Game wiz</span>
        <p>created by RAMYA S (AI DS-B)/1st year</p>
      </div>
    </div>
  </body>

```

EXPLORE PAGE:

```

<!DOCTYPE html>

<head>
  <title>game wiz</title>
  <style>
    @import
url('https://fonts.googleapis.com/css2?family=Nabla&display=swap');

    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
      font-family: Verdana, Geneva, Tahoma, sans-serif;
      outline: none;
      border: none;
      text-decoration: none;
      text-transform: capitalize;
      transition: .2s linear;
    }

    body {
      background-image: url("bgnd.jpg");
      background-repeat: no-repeat;
      background-size: cover;
      background-attachment: fixed;
      scroll-behavior: smooth;
    }

    html {
      font-size: 100%;
      scroll-behavior: smooth;
      scroll-padding-top: 6rem;
      overflow-x: hidden;
    }

```

```

section {
  padding: 2rem 9%;
}

A.logo {
  font-size: 4rem;
  color: black;
  font-weight: bolder;
  font-family: 'Nabla', cursive;
}

div .logo span {
  color: var(--pink);
}

div .navbar a {
  font-family: 'Nabla', cursive;
  font-size: 3rem;
  padding: 0 1.5rem;
  color: black;
  font-weight: 600;
}

div .navbar a:hover {
  color: var(--pink);
}

div #toggler {
  display: none;
}

header .fa-bars {
  font-size: 3rem;
  color: #333;
  border-radius: .5rem;
  padding: .5rem 1.5rem;
  cursor: pointer;
  border: .1rem solid rgba(0, 0, 0, .1);
  display: none;
}

.Home {
  display: flex;
  color: black;
  font-size: xx-large;
  font-family: 'Lucida Sans', 'Lucida Sans Regular', 'Lucida
Grande', 'Lucida Sans Unicode';

```

```

        align-items: center;
        min-height: 100vh;
        background: url(bgimage.jpg) no-repeat;
        background-size: cover;
        background-position: center;
    }

    .A {
        position: fixed;
        top: 0;
        left: 0;
        right: 0;
        padding: 2rem 9%;
        display: flex;
        align-items: center;
        justify-content: space-between;
        z-index: 1000;
    }

    .i1 {
        height: 10rem;
        border-radius: 8px;
    }

    .i1:hover{
        height: 12rem;
    }

    .p1 {
        padding-top: 2rem;
        font-size: xx-large;
    }

    .box {
        background: rgba(0, 0, 0, 0.3);
        border-radius: 16px;
        box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
        backdrop-filter: blur(6.4px);
        -webkit-backdrop-filter: blur(6.4px);
        padding-inline: 2rem;
        padding-top: 2rem;
        padding-bottom: 3rem;
        text-align: center;
        float: left;
        margin-inline: 8rem;
        margin-block: 20rem;
    }

```

```

        box-shadow: rgba(255, 255, 255, 0.2) 0px 0px 0px 1px inset,
        rgba(255, 255, 255, 0.9) 0px 0px 0px 1px;
        color: white;
    }
    .b1{
        margin-top: 2rem;
        padding-inline: 40px;
        padding-block: 15px;
        font-size:medium;
        border-radius: 8px;
        cursor:pointer;
    }
    .b1:hover{
        transition: 1s;
        color: white;
        background-color: black;
    }
</style>
</head>

<body>
    <div class="A">
        <a href="gamewiz.html" class="logo">Game wiz </a>
        <nav class="navbar">
            <a href="gamewiz.html">Home</a>
            <a href="explore.html">Game</a>
            <a href="loginandregister.html">Login</a>
        </nav>
    </div>
    <div class="box">
        
        <p class="p1">Rock-Paper-Scissor</p>
        <a href="stonepaperscissor.html"><button class="b1">play
now</button></a>
    </div>
    <div class="box">
        
        <p class="p1">  Tic - Tac - Toe  </p>
        <a href="xo game.html"><button class="b1">play now</button></a>
    </div>
</body>

```

GAME PAGE:

TIC-TAC-TOE:

HTML CODE:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF=8">
    <meta http-equiv="X-UA-Compatible"content="IE edge">
    <meta name="view point"content="width-devices-width,intial-scale=1.0">
    <title>Tic_Tac_Toe</title>
    <style>
      *{
        color:white;
        font-family:sans-serif;
        transition:0.2s ease-in-out;
        user-select:none;
      }
      body{
        background-image:url("bgnd.jpg");
      }
      .align{
        display:flex;
        justify-content:center;
        align-items:center;
      }
      body{
        background-color:sienna;
        margin:0;
        padding:0;
        width:100vw;
        text-align:center;
        padding-top: 5vh;
      }

      .turn-container{
        width:170px;
        height:80px;
        margin:auto;
        display:grid;
        grid-template-columns: 1fr 1fr;
        grid-template-rows: 1fr 1fr;
        position: relative;
      }
```

```

.turn-container h3{
  margin:0;
  grid-column-start: 1;
  grid-column-end: 3;
}

.turn-container .turn-box{
  border:3px solid #000;
  font-size:1.6rem;
  font-weight:700;
}

.turn-container .turn-box:nth-child(even){
  border-right: none;
}

.bg{
  position:absolute;
  bottom:0;
  left:0;
  width:85px;
  height:40px;
  background-color: #ff2e63;
  z-index:-1;
}

.main-grid{
  display:grid;
  grid-template-columns:repeat(3,1fr);
  grid-template-rows:repeat(3,1fr);
  height: 355px;
  width:355px;
  margin:40px auto;
  border:5px solid #000;
  box-shadow: black;
  background-color:brown;
}

.box{
  cursor:pointer;
  font-size:2rem;
  font-weight:700px;
  border:2px solid #000;
  box-shadow: #000;
}

.box:hover{

```

```

        background:#ff2e63;
    }

    #play-again{
        background-color: #ff2e63;
        padding: 10px 25px;
        border:none;
        font-size: 1.2rem;
        border-radius: 5px;
        cursor:pointer;
        display:none;    }

    #play-again:hover{
        padding:10px 40px;
        background-color: #08d9d6;
        color:#000;

    }

    .b{
        margin-top: 2rem;
        padding-inline: 40px;
        padding-block: 15px;
        font-size:medium;
        border-radius: 8px;
        cursor:pointer;
        color:white;
        background-color: #000;
    }
    .b:hover{
        transition: 1s;
        color:white;
        background-color:#08d9d6;
    }

</style>
</head>
<body>
    <div class="turn-container">
        <h3>Turn For</h3>
        <div class="turn-box align">X</div>
        <div class="turn-box align">0</div>
        <div class="bg"></div>
    </div>
    <div class="main-grid">
        <div class="box align">0</div>
        <div class="box align">1</div>
        <div class="box align">2</div>

```

```

        <div class="box align">3</div>
        <div class="box align">4</div>
        <div class="box align">5</div>
        <div class="box align">6</div>
        <div class="box align">7</div>
        <div class="box align">8</div>
    </div>
    <h2 id="results"></h2>
    <button id="play-again">Play Again</button>
    <a href="explore.html"><button class="b">Back</button></a>

    <script src="script.js"></script>
</body>

```

JAVASCRIPT CODE:

```

let boxes = document.querySelectorAll(".box");
let turn = "X";
let isGameOver = false;
boxes.forEach(e =>{
    e.innerHTML = ""
    e.addEventListener("click", ()=>{
        if(!isGameOver && e.innerHTML === ""){
            e.innerHTML = turn;
            cheakWin();
            cheakDraw();
            changeTurn();
        }
    })
})
function changeTurn(){
    if(turn === "X"){
        turn = "O";
        document.querySelector(".bg").style.left = "85px";
    }
    else{
        turn = "X";
        document.querySelector(".bg").style.left= "0";
    }
}
function cheakWin(){
    let winConditions = [
        [0,1,2],[3,4,5],[6,7,8],[0,3,6],[1,4,7],[2,5,8],[0,4,8],[2,4,6]
    ]
    for(let i = 0; i<winConditions.length; i++){
        let v0 = boxes[winConditions[i][0]].innerHTML;
        let v1 = boxes[winConditions[i][1]].innerHTML;
        let v2 = boxes[winConditions[i][2]].innerHTML
    }
}

```



```

        if(v0 != "" && v0 === v1 && v0 === v2){
            isGameOver = true;
            document.querySelector("#results").innerHTML = turn + " win";
            document.querySelector("#play-again").style.display = "inline";

            for(j = 0; j<3; j++){
                boxes[winConditions[i][j]].style.backgroundColor = "aqua"
                boxes[winConditions[i][j]].style.color = "black"
            }
        }
    }
}

function checkDraw(){
    if(!isGameOver){
        let isDraw = true;
        boxes.forEach(e =>{
            if(e.innerHTML === "") isDraw = false;
        })
        if(isDraw){
            isGameOver = true;
            document.querySelector("#results").innerHTML = "Draw";
            document.querySelector("#play-again").style.display = "inline";
        }
    }
}

document.querySelector("#play-again").addEventListener("click", ()=>{
    isGameOver = false;
    turn = "X";
    document.querySelector(".bg").style.left = "0";
    document.querySelector("#results").innerHTML = "";
    document.querySelector("#play-again").style.display = "none";
    boxes.forEach(e =>{
        e.innerHTML = "";
        e.style.removeProperty("background-color");
        e.style.color = "#fff";
    })
})

```

ROCK-PAPER-SCISSOR:

HTML CODE:

```

<html lang="en">
<head>
    <title>Rock Paper Scissor Game</title>

```

```

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.15.2/css/all.min.css">
    <!--Google Font-->
    <link rel="preconnect" href="https://fonts.gstatic.com">
    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=sw
ap" rel="stylesheet">
    <!--Stylesheet-->
    <link rel="stylesheet" href="style1.css">
</head>
<body>
    <div class="container">
        <div class="scores">
            <p>Computer :
                <span id="computer_score">0</span>
            </p>
            <p>
                You :
                <span id="user_score">0</span>
            </p>
        </div>
        <div class="weapons">
            <button onclick="checker('rock')">
                <i class="far fa-hand-rock"></i>
            </button>
            <button onclick="checker('paper')">
                <i class="far fa-hand-paper"></i>
            </button>
            <button onclick="checker('scissor')">
                <i class="far fa-hand-scissors"></i>
            </button>
        </div>
        <div class="details">
            <p id="user_choice"></p>
            <p id="comp_choice"></p>
            <p id="result"></p>
        </div>
    </div>

    <!--Script-->
    <script src="script2.js"></script>
</body>
</html>

```

CSS CODE:

```
*,
*:before,
*:after{
    padding: 0;
    margin: 0;
    box-sizing: border-box;
}
body{
    height: 100vh;
background-image: url("bgnd.jpg");
}
.container{
    width: 45%;
    min-width: 500px;
    background-color:brown;
    padding: 40px 30px;
    position: absolute;
    transform: translate(-50%,-50%);
    top: 50%;
    left: 50%;
    border-radius: 10px;
    box-shadow: 0 15px 25px rgba(0,0,0,0.15);
}
.scores{
    margin-bottom: 50px;
    text-align: right;
}
.weapons{
    width: 90%;
    margin: auto;
    display: flex;
    justify-content: space-around;
}
.weapons button{
    background-color: #ffd51b;
    color: #000000;
    border: none;
    font-size: 50px;
    height: 100px;
    width: 100px;
    border-radius: 50%;
    outline: none;
    cursor: pointer;
}
.details{
    margin-top: 30px;
    text-align: center;
```

```

}
.scores,.details{
    font-family: 'Poppins',sans-serif;
    font-weight: 400;
    font-size: 15px;
}
#result{
    width: 180px;
    padding: 10px 0;
    margin: 30px auto;
    font-weight: 600;
    letter-spacing: 0.5px;
}
#user_choice,
#computer_choice{
    font-weight: 400;
    margin-bottom: 10px;
}
span{
    font-weight: 600;
}

```

JAVASCRIPT CODE:

```

let [computer_score,user_score]=[0,0];
let result_ref = document.getElementById("result");
let choices_object = {
    'rock' : {
        'rock' : 'draw',
        'scissor' : 'win',
        'paper' : 'lose'
    },
    'scissor' : {
        'rock' : 'lose',
        'scissor' : 'draw',
        'paper' : 'win'
    },
    'paper' : {
        'rock' : 'win',
        'scissor' : 'lose',
        'paper' : 'draw'
    }
}

function checker(input){
    var choices = ["rock", "paper", "scissor"];
    var num = Math.floor(Math.random()*3);

```

```

document.getElementById("comp_choice").innerHTML =
` Computer choose <span> ${choices[num].toUpperCase()} </span>`;

document.getElementById("user_choice").innerHTML =
` You choose <span> ${input.toUpperCase()} </span>`;

let computer_choice = choices[num];

switch(choices_object[input][computer_choice]){
    case 'win':
        result_ref.style.cssText = "background-color: #cefdce; color:
#689f38";
        result_ref.innerHTML = "YOU WIN";
        user_score++;
        break;
    case 'lose':
        result_ref.style.cssText = "background-color: #ffdde0; color:
#d32f2f";
        result_ref.innerHTML = "YOU LOSE";
        computer_score++;
        break;
    default:
        result_ref.style.cssText = "background-color: #e5e5e5; color:
#808080";
        result_ref.innerHTML = "DRAW";
        break;
}

document.getElementById("computer_score").innerHTML = computer_score;
document.getElementById("user_score").innerHTML = user_score;
}

```

LOGIN PAGE:

HTML CODE:

```

<!DOCTYPE html>
<head>
    <meta charset="UTF-8">
    <title>LogIn and SignUp Page</title>
    <link rel="stylesheet" type="text/css" href="index.css">
</head>
<body>
    <div class="A">
        <a href="gamewiz.html" class="logo">Game wiz </a>
    </div>
    <div class="box">
        <div class="page">

```

```

        <div class="header">
            <a id="login" class="active" href="#login">login</a>
            <a id="signup" href="#signup">signup</a>
        </div>
        <div id="errorMsg"></div>
        <div class="content">
            <form class="login" name="loginForm" onsubmit="return
validateLoginForm()" method="POST">
                <input type="text" name="name" id="logName"
placeholder="Username">
                <input type="password" name="password" id="logPassword"
placeholder="Password">
                <div id="check">
                    <input type="checkbox" id="remember">
                    <label for="remember">Remember me</label>
                </div>
                <br><br>
                <input type="submit" value="Login">
                <a href="#">Forgot Password?</a>
            </form>
            <form class="signup" name="signupForm" onsubmit="return
validateSignupForm()" method="POST">
                <input type="email" name="email" id="signEmail"
placeholder="Email">
                <input type="text" name="name" id="signName"
placeholder="Username">
                <input type="password" name="password" id="signPassword"
placeholder="Password"><br>
                <input type="submit" value="SignUp">
            </form>
        </div>
    </div>
</div>
<script src="https://code.jquery.com/jquery-3.3.1.min.js"
integrity="sha256-FgpCb/KJQlLNfOu91ta32o/NMZxltwRo8QtmkMRdAu8="
crossorigin="anonymous"></script>
<script src="index.js"></script>
</body>

```

CSS CODE:

```

@import url('https://fonts.googleapis.com/css2?family=Nabla&display=swap');
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: Verdana, Geneva, Tahoma, sans-serif;
    outline: none;
}

```

```

    border: none;
    text-decoration: none;
    text-transform: lowercase;
    transition: .2s linear;
}

body {
    background-image: url("bgnd.jpg");
    background-repeat: no-repeat;
    background-size: cover;
    background-attachment: fixed;
    scroll-behavior: smooth;
}

html {
    font-size: 100%;
    scroll-behavior: smooth;
    scroll-padding-top: 6rem;
    overflow-x: hidden;
}

section {
    padding: 2rem 9%;
}

A.logo {
    font-size: 4rem;
    color: black;
    font-weight: bolder;
    font-family: 'Nabla', cursive;
}

div .logo span {
    color: var(--pink);
}

div .navbar a {
    font-family: 'Nabla', cursive;
    font-size: 3rem;
    padding: 0 1.5rem;
    color: black;
    font-weight: 600;
    justify-content: space-between;
}

div .navbar a:hover {
    color: var(--pink);
}

```

```

div #toggler {
    display: none;
}
header .fa-bars {
    font-size: 3rem;
    color: #333;
    border-radius: .5rem;
    padding: .5rem 1.5rem;
    cursor: pointer;
    border: .1rem solid rgba(0, 0, 0, .1);
    display: none;
}
body{
    margin: 0;
    padding: 0;
    background-image: url(bgnd.jpg);
    background-size: cover;
    background-repeat: no-repeat;
    font-family : Verdana,Tahoma, sans-serif;
}

.box{
    width: 380px;
    height: 500px;
    background-color:rgba(0, 0, 0, 0.7);
    padding: 20px;
    margin: 8% auto 0;
    text-align: center;
    position: relative;
    box-sizing: border-box;
    flex-direction: column;
}

.box img{
    width:100px;
    margin-top:-50px ;
}

.header {
    width: 300px;
    height: 50px;
    text-transform: uppercase;
    display: inline-flex;
    padding-top: 20px;
    padding-bottom: 0;
    justify-content: space-between;
}

```



```
.header a {  
    font-size: 20px;  
    text-decoration: none;  
    color: #ffffff;  
    display: inline-flex;  
    padding-left: 25px;  
    padding-right: 25px;  
    justify-content: center;  
    cursor:pointer;  
}
```

```
.header .active {  
    color: #df80ff;  
    font-weight: bold;  
    position: relative;  
}
```

```
.header .active:after {  
    position: absolute;  
    border: none;  
    content: "";  
}
```

```
#errorMsg{  
    color:red;  
    text-align: center;  
    font-size: 12px;  
    padding-bottom: 20px;  
}
```

```
.content{  
    display: inline-flex;  
    overflow: hidden;  
}
```

```
form {  
    position: relative;  
    display: inline-flex;  
    width: 100%;  
    height: 100%;  
    flex-shrink: 0;  
    flex-direction: column;  
    transition: right 0.5s;  
}
```

```
.login a{
```

```

        text-decoration: none;
        color: #ffffff;
        font-size: 15px;
        text-align: center;
        cursor: pointer;
    }

    .extend form {
        right: 100%;
    }

    input[type=text], input[type=password], input[type=email]{
        display: block;
        position: relative;
        border: 4px solid #ffffff;
        padding: 12px;
        margin-bottom: 15px;
        width: 100%;
        box-sizing: border-box;
        font-size: 17px;
        outline: none;
    }

    input[type=text]:hover, input[type=password]:hover, input[type=email]:hover{
        border: 4px solid #df80ff;
    }

    input[type=submit]{
        display: block;
        position: relative;
        border: 3px solid #df80ff;
        padding: 12px;
        margin-bottom: 20px;
        width: 100%;
        border-radius: 25px;
        background-color: #600080 ;
        text-align: center;
        font-size: 20px;
        color: #ffffff;
        cursor: pointer;
        outline: none;
    }

    input[type=submit]:hover{
        background-color: #ffffff;
        color: #000000;
    }

```

```

        font-weight: bold;
    }
    input[type=checkbox]{
        background-color:#df80ff;
    }
    #check{
        margin-top: 10px;
        text-align: left;
        color: #ffffff;
        font-size: 15px;
    }

```

JAVASCRIPT CODE:

```

$(window).on("hashchange", function () {
    if (location.hash.slice(1) == "signup") {
        $(".page").addClass("extend");
        $("#login").removeClass("active");
        $("#signup").addClass("active");
    } else {
        $(".page").removeClass("extend");
        $("#login").addClass("active");
        $("#signup").removeClass("active");
    }
});
$(window).trigger("hashchange");

function validateLoginForm() {
    var name = document.getElementById("logName").value;
    var password = document.getElementById("logPassword").value;

    if (name == "" || password == "") {
        document.getElementById("errorMsg").innerHTML = "Please fill the  
required fields"
        return false;
    }

    else if (password.length < 8) {
        document.getElementById("errorMsg").innerHTML = "Your password must  
include atleast 8 characters"
        return false;
    }
    else {
        alert("Successfully logged in");
        return true;
    }
}

function validateSignupForm() {

```

```
var mail = document.getElementById("signEmail").value;
var name = document.getElementById("signName").value;
var password = document.getElementById("signPassword").value;

if (mail == "" || name == "" || password == "") {
    document.getElementById("errorMsg").innerHTML = "Please fill the
required fields"
    return false;
}

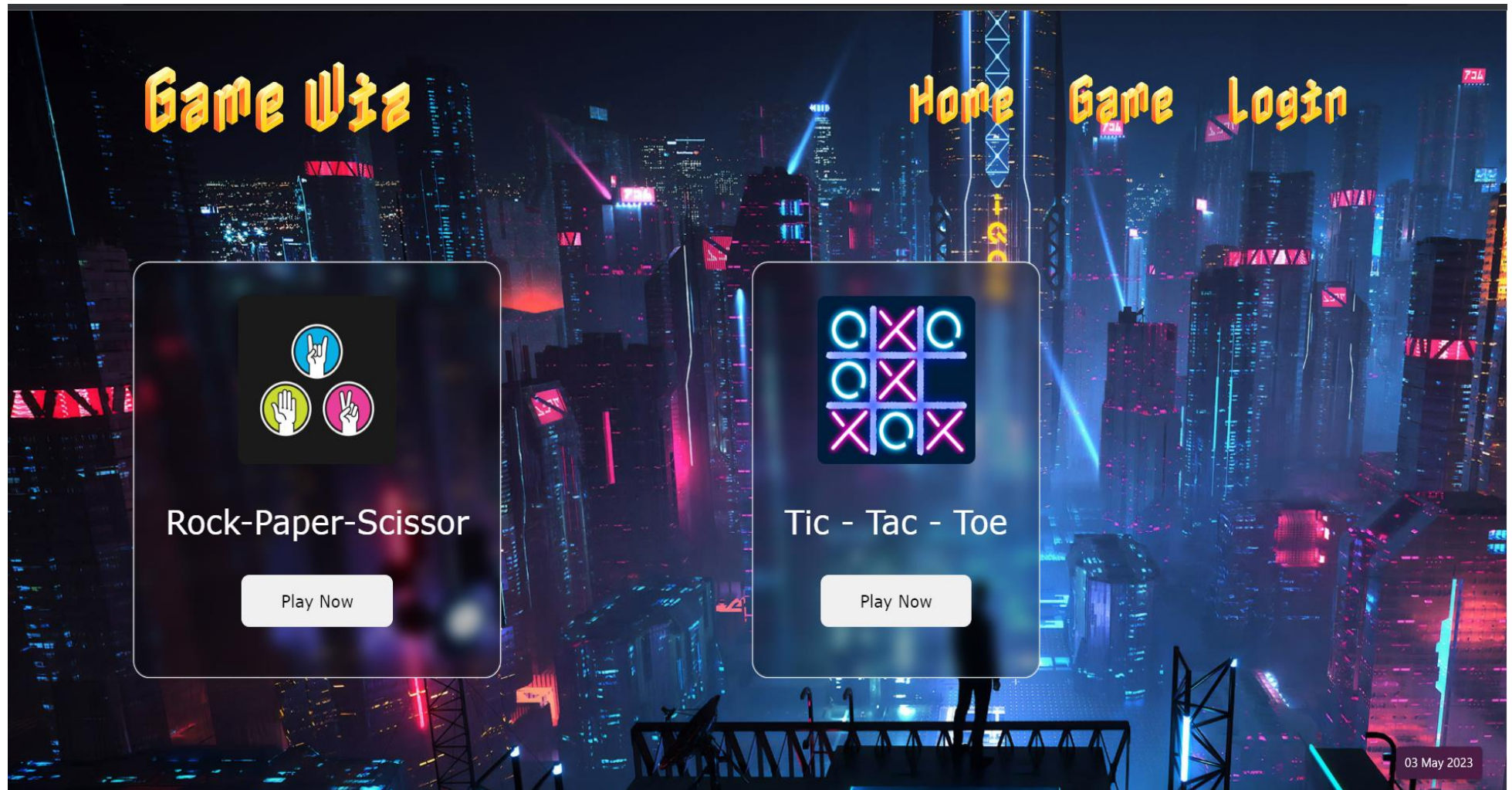
else if (password.length < 8) {
    document.getElementById("errorMsg").innerHTML = "Your password must
include atleast 8 characters"
    return false;
}
else {
    alert("Successfully signed up");
    return true;
}
}
```

OUTPUT :

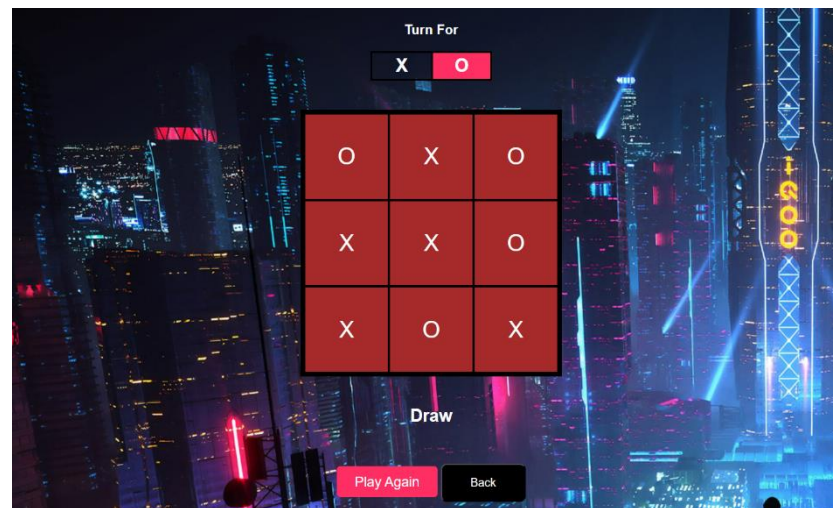
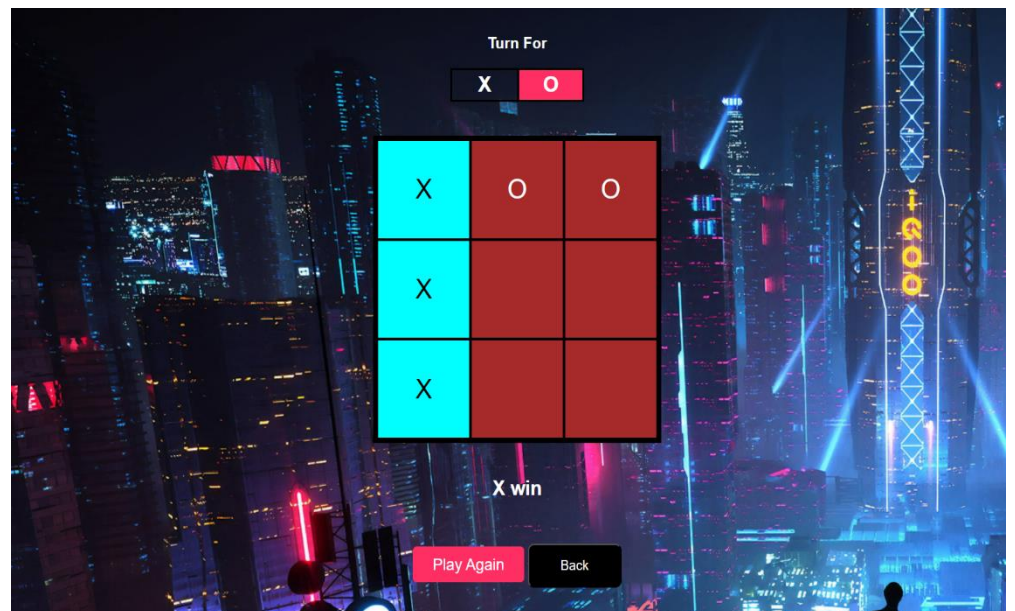
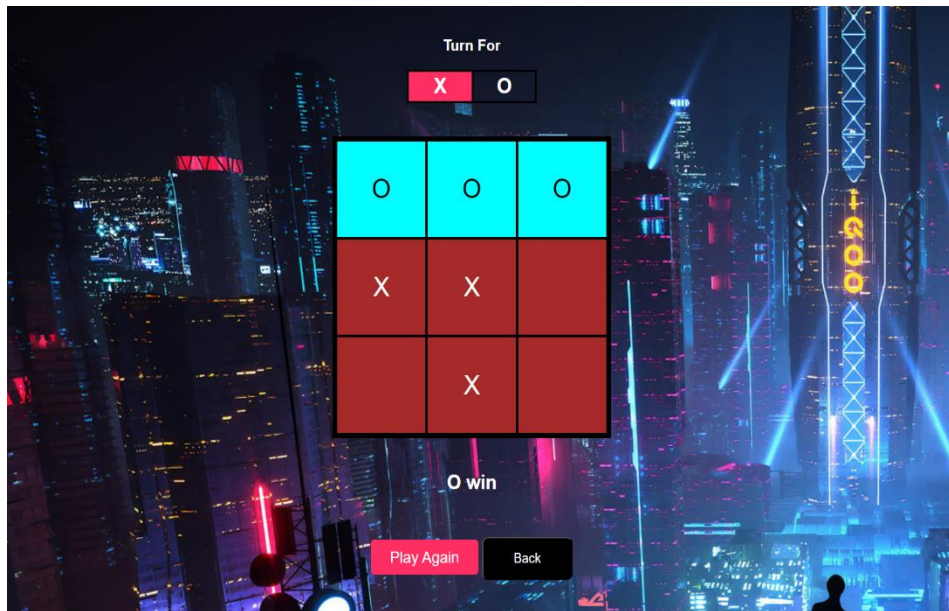
HOME PAGE



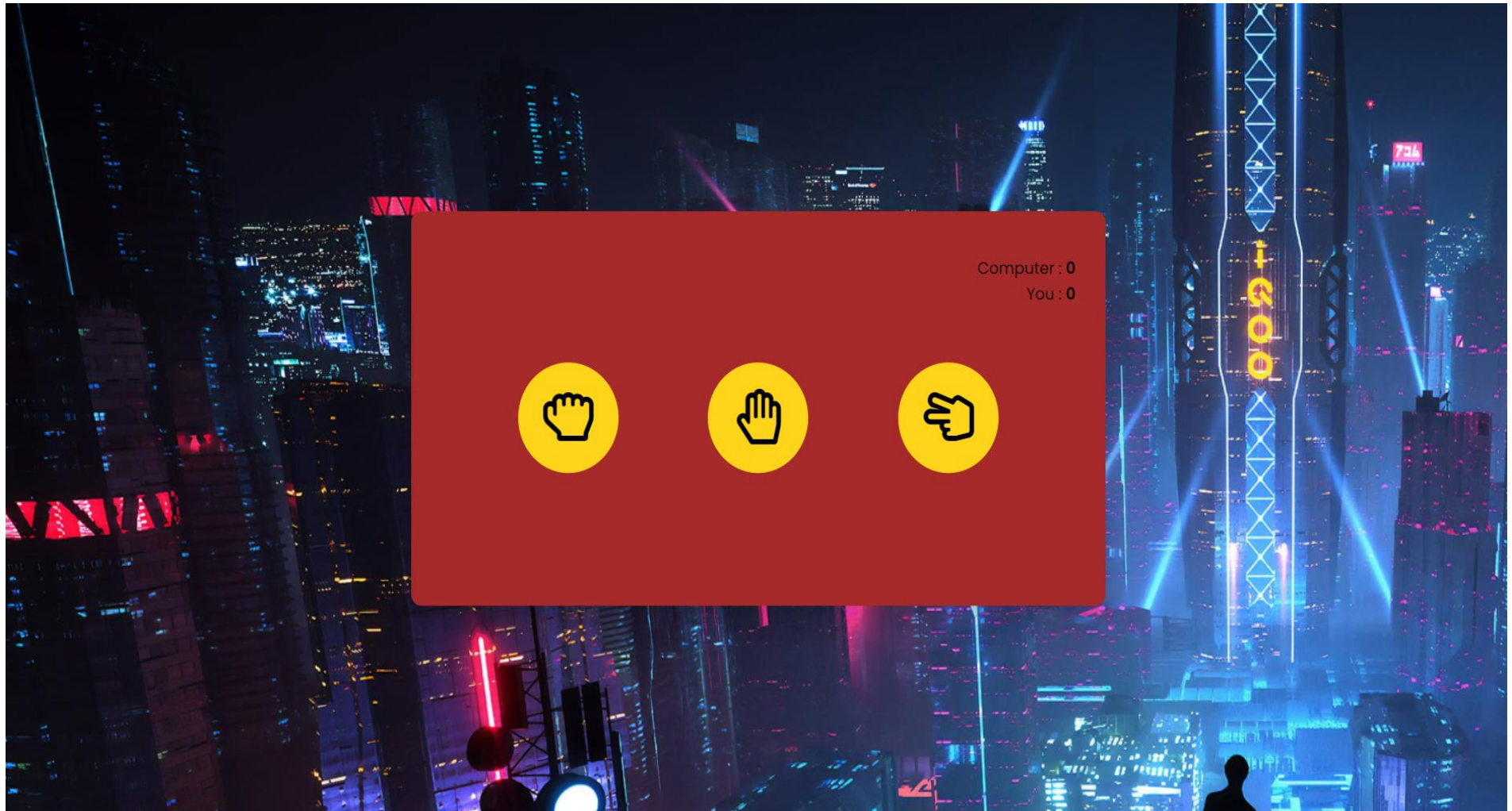
PAGE EXPLORE



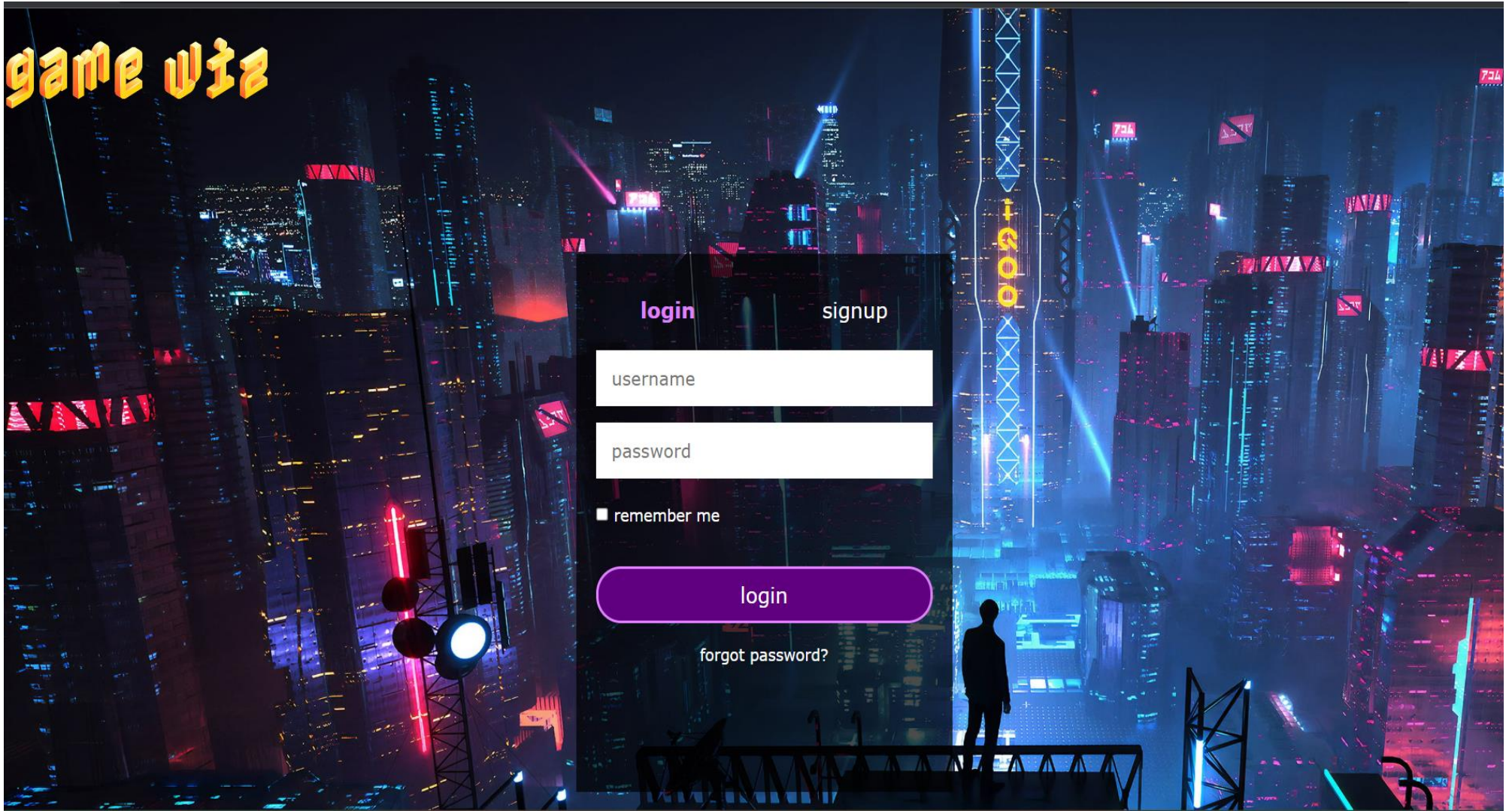
GAME PAGE: TIC - TAC - TOE



ROCK-PAPER-SCISSOR



LOGIN PAGE



GITHUB PROJECT URL:

<https://github.com/Ramya-selvam10/Game-wiz>