



UNIVERZITET U SARAJEVU
FAKULTET ZA SAOBRAĆAJ I KOMUNIKACIJE



PROJEKTNI RAD IZ PREDMETA:
SOFTVERSKO INŽINJERSTVO II

Tema rada:	IGRICA Tic Tac Toe
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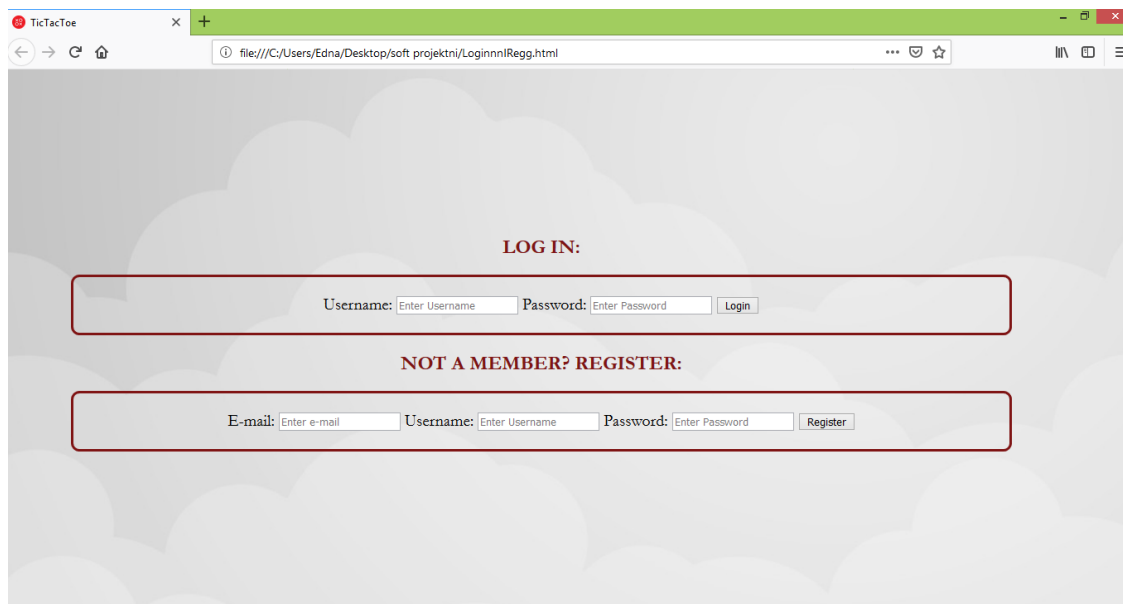
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Broj indeksa:	7761;7667;7659
Usmjerenje:	KIT
Godina studija:	III
Rezultat rada:	

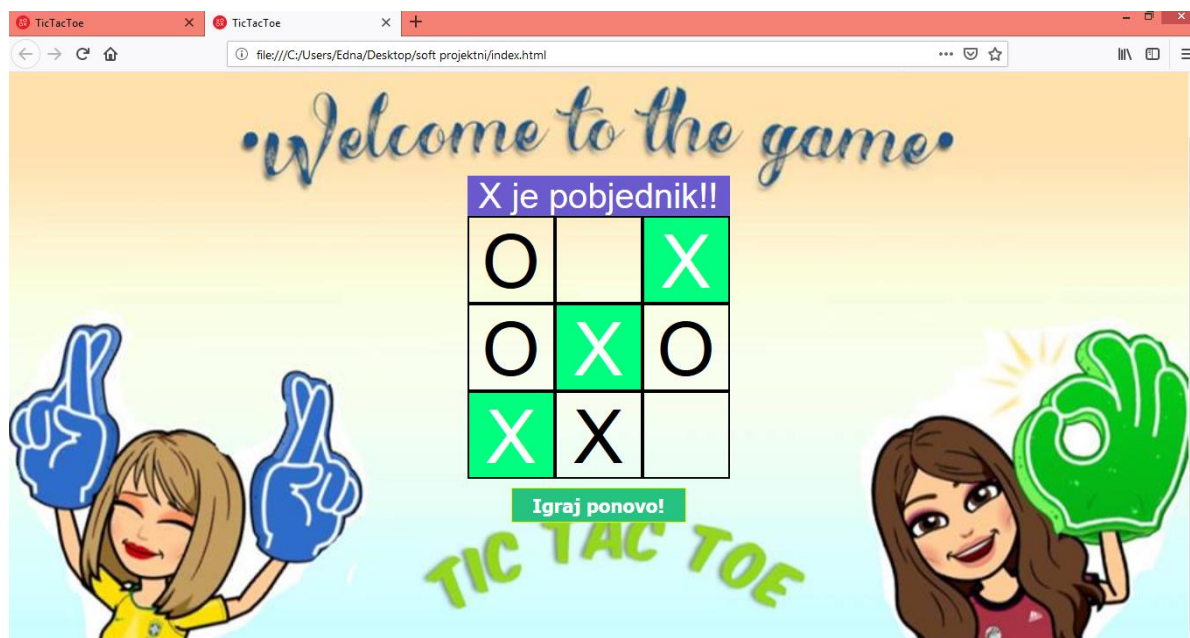
Datum:25.12.2018.

Zadatak: Kao zadatak naše grupe smo izabrale igricu *Tic Tac Toe*.

Tok i cilj zadatka: Pristupamo stranici (*Login_game.html*) gdje korisnik vrši prijavu, korisnici se nalaze u fajlu *igraci.JSON*. Ukoliko nema tog člana u *.JSON* fajlu, vrši se registracija koja se nalazi ispod prijave.. Kada se član prijavi (sa ispravnom šifrom), spaja ga sa sljedećom stranicom (*index.html*) gdje se nalazi igrica Tic Tac Toe. Za igricu su potrebne dvije osobe, jedna za X, a druga za O. Mali prozor se izbacuje gdje stoji pobjednik igre, a za restart igre vrši se pomoću dugmeta “Igraj ponovo!”.



The screenshot shows a web browser window with the title "TicTacToe". The address bar shows the file path: `file:///C:/Users/Edna/Desktop/soft projektni/LoginnnRegg.html`. The page has a light gray background with a faint cloud pattern. It features two main sections: a "LOG IN:" section and a "NOT A MEMBER? REGISTER:" section. The "LOG IN:" section contains a form with "Username:" and "Password:" labels, each followed by an input field, and a "Login" button. The "NOT A MEMBER? REGISTER:" section contains a form with "E-mail:", "Username:", and "Password:" labels, each followed by an input field, and a "Register" button.



Login_game.html

```
<!DOCTYPE html>

<html>

<head>

<title>TicTacToe</title>

    <meta charset="UTF-8">

    <link rel="icon" href="https://cdn3.iconfinder.com/data/icons/essenstial-ultimate-
ui/64/tic_tac_toe-512.png">

    <script type="text/javascript" src="igraci.json"></script>

    <script type="text/javascript" src="loginingame.js"></script>

    <link rel="stylesheet" type="text/css" href="logincss.css">

    <script type="text/javascript" src="registracija.js"></script>

    <script type="text/javascript">

        var xhttp= new XMLHttpRequest();

        xhttp.onreadystatechange=function(){

            if (xhttp.readyState===4 && xhttp.status===200){

                player=JSON.parse(xhttp.responseText).igrac;

                }

            }

        xhttp.open("GET","igraci.json", false);

        xhttp.send();

    </script>

</head>

<body>

<h2><center>LOG IN:</center></h2>

    <form>

    <div><center>

    </br>
```

Username:

<input id="username1" type="text" placeholder="Enter Username" name="username" required>

Password:

<input id="password1" type="password" placeholder="Enter Password" name="password" required>

<button type="button" onclick="login()">Login</button>

</br>

</br>

</center></div>

</form>

<h2><center>NOT A MEMBER? REGISTER:</center></h2>

<form>

<div><center>

</br>

E-mail:

<input id="email2" type="email" placeholder="Enter e-mail" name="email" required>

Username:

<input id="username2" type="text" placeholder="Enter Username" name="username" required>

Password:

<input id="password2" type="password" placeholder="Enter Password" name="password" required>

<button type="button" onclick="registracija()">Register</button>

</br>

</br>

</center></div>

</form>

</body>

</html>

index.html

```
<!DOCTYPE html>

<html>

<head>

  <title>IKS OKS</title>

  <meta charset="UTF-8">


  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <link rel="stylesheet" type="text/css" href="stil.css">

</head>

<body>

  <div class="container" id="main">

    <span id="turn">ZAPOČNI IGRU</span>

    <div class="box" id="box1"></div>

    <div class="box" id="box2"></div>

    <div class="box" id="box3"></div>

    <div class="box" id="box4"></div>

    <div class="box" id="box5"></div>

    <div class="box" id="box6"></div>

    <div class="box" id="box7"></div>

    <div class="box" id="box8"></div>

    <div class="box" id="box9"></div>

  </div>

  <button onclick="replay()">Igraj ponovo!</button>

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

</body>

</html>
```

Registracija.js

```
function registracija(){

    var regName= document.getElementById("username2").value;

    var regPass= document.getElementById("password2").value;

    var regMail= document.getElementById("email2").value;


    if(regName.length<=15 && regPass.length<=15){

        var user=new Object();

        user.username=regName;

        user.password=regPass;

        user.email=regMail;


        //pravimo objekat i dodjeljujemo .usernameu,.passwordu,.emailu vrijednosti varijabli
        regName,regPass,regMail

        player.push(user);

        console.log(player);

    }

}
```

Loginingame.js

```
function login(){

    var userName=document.getElementById("username1").value;

    var passWord=document.getElementById("password1").value;


    for(i=0;i<player.length;i++){

        if(userName==player[i].username && passWord==player[i].password){
```

```
        window.open("index.html");

        return;

    }

}

alert("Username ili password nije tacan. Pokušajte ponovo.");

}
```

game.js

```
var turn = document.getElementById("turn"),

    // boxes => all boxes

    // X_or_O => to set X or O into the box

    boxes = document.querySelectorAll("#main div"), X_or_O = 0;

function selectWinnerBoxes(b1,b2,b3){

    b1.classList.add("win");

    b2.classList.add("win");

    b3.classList.add("win");

    turn.innerHTML = b1.innerHTML + " je pobjednik!!";

    alert("Pobjednik je" + " " + b1.innerHTML)

    turn.style.fontSize = "40px";

}

function getWinner(){
```

```
var box1 = document.getElementById("box1"),
    box2 = document.getElementById("box2"),
    box3 = document.getElementById("box3"),
    box4 = document.getElementById("box4"),
    box5 = document.getElementById("box5"),
    box6 = document.getElementById("box6"),
    box7 = document.getElementById("box7"),
    box8 = document.getElementById("box8"),
    box9 = document.getElementById("box9");

// get all possibilites

if(box1.innerHTML !== "" && box1.innerHTML === box2.innerHTML &&
box1.innerHTML === box3.innerHTML)

    selectWinnerBoxes(box1,box2,box3);

if(box4.innerHTML !== "" && box4.innerHTML === box5.innerHTML &&
box4.innerHTML === box6.innerHTML)

    selectWinnerBoxes(box4,box5,box6);

if(box7.innerHTML !== "" && box7.innerHTML === box8.innerHTML &&
box7.innerHTML === box9.innerHTML)

    selectWinnerBoxes(box7,box8,box9);

if(box1.innerHTML !== "" && box1.innerHTML === box4.innerHTML &&
box1.innerHTML === box7.innerHTML)

    selectWinnerBoxes(box1,box4,box7);
```



```
    if(box2.innerHTML !== "" && box2.innerHTML === box5.innerHTML &&
box2.innerHTML === box8.innerHTML)
```

```
        selectWinnerBoxes(box2,box5,box8);
```

```
    if(box3.innerHTML !== "" && box3.innerHTML === box6.innerHTML &&
box3.innerHTML === box9.innerHTML)
```

```
        selectWinnerBoxes(box3,box6,box9);
```

```
    if(box1.innerHTML !== "" && box1.innerHTML === box5.innerHTML &&
box1.innerHTML === box9.innerHTML)
```

```
        selectWinnerBoxes(box1,box5,box9);
```

```
    if(box3.innerHTML !== "" && box3.innerHTML === box5.innerHTML &&
box3.innerHTML === box7.innerHTML)
```

```
        selectWinnerBoxes(box3,box5,box7);
```

```
    }
```

```
// set event onclick
```

```
for(var i = 0; i < boxes.length; i++){
```

```
    boxes[i].onclick = function(){
```

```
        // not allow to change the value of the box
```

```
        if(this.innerHTML !== "X" && this.innerHTML !== "O"){
```

```
            if(X_or_O%2 === 0){
```

```
                console.log(X_or_O);
```

```
                this.innerHTML = "X";
```

```
                turn.innerHTML = "O je sada na redu";
```

```
        getWinner();

        X_or_O += 1;

    }else{

        console.log(X_or_O);

        this.innerHTML = "O";

        turn.innerHTML = "X je sada na redu";

        getWinner();

        X_or_O += 1;

    }

}

};

}

function replay(){

    for(var i = 0; i < boxes.length; i++){

        boxes[i].classList.remove("win");

        boxes[i].innerHTML = "";

        turn.innerHTML = "IGRAJ";

        turn.style.fontSize = "25px";

    }

}
```

igraci.JSON

```
{
  "igraci":[
    {
      "username":"ednaa",
      "password":"12345",
      "email":"subotic551@outlook.com"
    },
    {
      "username":"mela",
      "password":"mjau",
      "email":"melisa.melka@hotmail.com"
    },
    {
      "username":"emeena",
      "password":"jaoo",
      "email":"emina.cokoja@windowslive.com"
    }
  ]
}
```

logincss.css

```
body{  
    background-image:  
url("http://getwallpapers.com/wallpaper/full/f/8/e/295019.jpg");  
    margin-top: 200px;  
    margin-bottom: 100px;  
    margin-right: 150px;  
    margin-left: 80px;  
}  
  
h2{  
    font-family: Garamond;  
    color: #7f1414;  
}  
  
div{  
    border-style: solid;  
    border-color: #7f1414;  
    border-radius: 10px;  
    font-family: Garamond;  
    font-size: 20px;  
}
```

stil.css

```
*{box-sizing: border-box}
```

```
.container{width: 300px;  
    overflow: hidden;  
    margin: 50px auto 0 auto;  
}
```

```
.container span{width: 100%;  
    display: block;  
    text-align: center;  
    font-family: sans-serif;  
    color: #fff;  
    font-size: 25px;  
    background: #6A5ACD;  
}
```

```
.container .box{float: left;  
    width: 100px;  
    height: 100px;  
    border: 2px solid #000;  
    transition: all .25s ease-in-out;  
    font-family: sans-serif;  
    font-size: 85px;  
    text-align: center;  
    line-height: 100px;
```

```
        cursor: pointer;
    }
}
```

```
.container .box:hover{background: rgba(10,10,10,0.5);
                        color: #6A5ACD
                        }
```

```
button{background: #26C281;
        color: #fff;
        font-weight: bold;
        border: 1px solid yellow;
        cursor: pointer;
        width: 200px;
        height: 40px;
        font-size: 22px;
        display: block;
        margin: 10px auto}
```

```
.win{background: #00FF7F; color: #fff}
```

```
body {background: url("tictactoe.jpg") no-repeat;
      background-size: cover;
      width: 100%;
      padding: 35px;
      margin: 95px auto;
    }
```