

Front End Technologies Week 5 Coding Assignment Lisa Smith — 2021-10-05-fesd-nashua

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

- 1. Using any of the tools you've worked with so far, create a game of tic-tac-toe.
 - **a.** A heading should say whether it is X's or O's turn and change with each move made.
 - **b.** Create a tic-tac-toe grid using your HTML element of choice. When a cell in the grid is clicked, an X or O should appear in that spot depending on whose turn it is.



- **c.** A button should be available to clear the grid and restart the game.
- **d.** When a player has won, or the board is full and the game results in a draw, a Bootstrap alert or similar Bootstrap component should appear across the screen announcing the winner.

Screenshots of Code:

main.css:

```
JS index.js M
                             index.html M
                                                              # main.css ×
          body {
    background-color: ■lightgray;
    text-align: center;
    font-family: 'Merriweather', serif;
                border: ■linen;
border-radius: 50%;
margin: 2em;
                padding: 2em;
                 border: ■linen:
          #tic-tac-toe-grid {
  background-color: □rgb(13, 170, 233);
                color: ■rgb(13, 170, 233);
background-color: ■linen;
                 text-decoration-color: ■pink;
color: ■blueviolet;
                 padding: 0.5em;
margin: 0.5em;
                 border: □rgb(3, 41, 56);
                border-color: □rgb(0, 9, 12);
background-color: ■lightgrey;
border-radius: 35%;
               oorder-radius: 35%;
padding: 20em;
margin: 0.5em;
color: □rgb(105, 13, 233);
font-size: 18px;
text-shadow: □gray;
font-weight: 5;
          border-color: □rgb(0, 5, 7);
background-color: ⊡rgb(13, 170, 233);
color: □rgb(105, 13, 233);
font-size: 16px;
                text-shadow: □gray;
margin: 1em;
padding: 1em;
border-radius: 50%;
                 background-color: | white;
color: | rgb(105, 13, 233);
box-shadow: 0 12px 16px 0 | rgba(0,0,0.24), 0 17px 50px 0 | rgba(0,0,0,0.19);
```



PROMINEO TECH

index.html

```
FE-Week5-HW > ♥ index.html > ...
       DOCTYPE html
<a href="html">html lang="en">
             <meta charset="UTF-8">
             <meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>FET Week 5 Coding Assignment</title>
              <link rel="preconnect" href="https://fonts.googleapis.com";</pre>
             <a href="brownect" href="https://fonts.gostatic.com" crossorigin>
<link rel="preconnect" href="https://fonts.gostatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Dancing+Script&display=swap" rel="stylesheet">
<link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css">
<link rel="stylesheet" href="main.css">

                  2. apply some CSS effects on the same.

NOTE: Show text showing whose turn it is...

NOTE: Define a button to reset the game. -->

<div class="container-fluid center mx-auto rounded">

<hl style="color: "rgb(13, 170, 233)">Tic-Tac-Toe Game</hl>
                         <div class="container-fluid rounded">
                              <div class="row">
     <div class="col-sm-4"></div>
                                    <button id="btn-p-1" class="button-1">1</button>
                                                          <button id="btn-p-2" class="button-1">2</button>
                                                           <button id="btn-p-4" class="button-1">4</button>
                                                          <button id="btn-p-9" class="button-1">9</button>
                   <button id="reset-game" type="button" class="button-2 rounded">Reset Game</button>
              <!-- Need to include jquery.js first, and then my .js file afterwards-->
<script src="node_modules/jquery/dist/jquery.js"></script>
              <script src="index.js"></script>
<script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
```



PROMINEO TECH

index.js:

```
function drawDOM() {
          nection drawbun() {
   // clear the view, and re"draw" the table
   let tictactoeDiv = document.getElementById('game-page');
   for (let index=1; index=9; index++) {
              //reset each button to original value
document.getElementById(`btn-p-${index}`).innerHTML=index;

}
if (gameId > 0) {
    $('#restart-game').show();
} else {
    let UineBreak = document.createElement('br');
    tictactoeDiv.appendChild(LineBreak);
    LineBreak = document.createElement('br');
    tictactoeDiv.appendChild(LineBreak);
    let alert = document.createElement('alert');
    alert.setAttribute('class', 'alert alert-success');
    alert.setAttribute('role', 'alert');
    alert.setAttribute('idl', 'restart-game');
    alert.inneriffML = 'Tic-Tac-Toe Game has been restarted!';
    tictactoeDiv.appendChild(alert);
}

             game10++;
// Use setTimeout() to hide it again after 5 second
setTimeout(() => $('#restart-game').hide(), 2000);
```



PROMINEO TECH

index.js cont'd:

```
//activeButtonl.inmerHPML = 'X';
gameStatus[btnIndex] = 'X';
console.log('XttVX 'X' sturn');
headerText.inmerHPML = 'Turn #${numOfTurn+1}: 0's turn';
} else {
// 0's turn
                                                                                                                            document.getElementById(`btn-p-${btnIndex}`).innerHTML = '0'
                                                                                                                                 //acciveoucconi.innermine = 'O';
gameStatus[btnIndex] = 'O';
console.log(`\t\t\t O's turn!`);
headerText.innerHTML = `Turn #$(numOfTurn+1); X's turn';
                                                                                                         let winner = checkforWinner();
console.log(winner);
if (winner! = ") {
    let headerText = document.getElementById('turn');
    headerText.innerHTML = "Game over! s(winner)";
    console.log('Game over! s(winner)');
    / porgonic/logts.
                                                                                                                     considering date over (system);

if (game-over), show();

it dysme-over), show();

it tictactoobly = document.oetElementById('game-page');

its inclinerank = document.createElement('br');

its inclinerank = document.createElement('br');

its quaneOverAlert = document.createElement('br');

its quaneOverAlert = document.createElement('br');

gameOverAlert.scatAttribute('class', 'alert alert-success');

gameOverAlert.scatAttribute('role', 'alert');

gameOverAlert.scatAttribute('sla', 'qame-over');

gameOverAlert.scatAttribute('sla', 'qame-over');

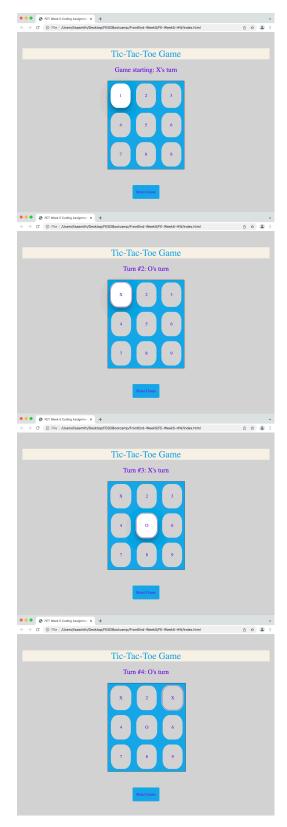
gameOverAlert.scatAttribute('sla', 'qame-over');

tictactooDiv.appendChld(gameOverAlert);

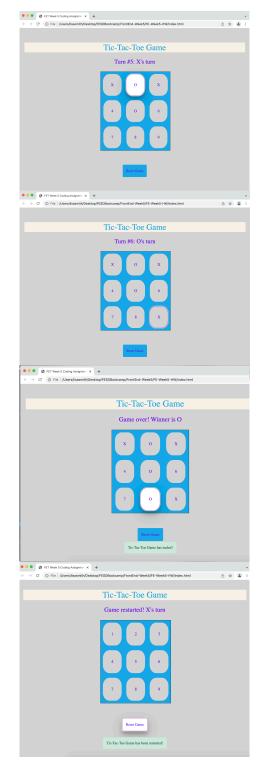
}
                                                                                                                               // Use setTimeout() to hide it again after 5 seconds
setTimeout(() => $('#game-over').hide(), 2000);
                                                   } else {
    console.log('INVALID CHOICE');
}
lese {
    numOfTurn++;
    console.log('Game Over');
function checkForkinner() {
    let winner = ';
    console.log(anmStatus);
    if ( (gameStatus));
    if ( (gameStatus)
```



Screenshots of Running Application:







URL to GitHub Repository: https://github.com/sw-dev-lisa-s-nh/FrontEnd-Week5