

Front End Technologies Week 5 Coding Assignment

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.

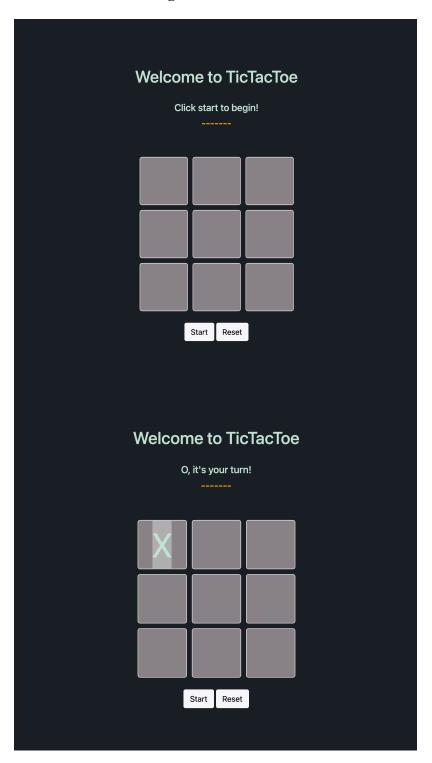
Coding Steps:

- 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 Running Code:











ScreenShots of Code:

```
A shoutput > COnsections a correct player wariable that starts the game with player X. In tic tac toe X goes first.

2 let currentlayer = "X:

3 //crasted an empty array where the X's and 8's will be pushed to for comparison for a winner

4 let currentlayer a more than the pushed that the pushed to for comparison for a winner

5 let currentlayer a ll;

6 currentlayer a ll;

6 currentlayer a ll;

6 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

7 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

8 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

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10 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

11 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

12 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

13 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

14 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

15 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

16 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

17 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

18 decument.gettlementby1d('displayturn').innerHTML = "X Goes first!';

19 con
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JS index.is • • index.html × # index.css
       <!DOCTYPE html>
<html lang="en">
            <meta charset="UTF-8">
            <meta http-equiv="X-UA-Compatible" content="IE=edge">
            <title>Tic Tac Toe</title>
link rel="stylesheet" href="index.css">
index.css
</title>
           k rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.css"
        <br/>body class="container" id="wrapper">
             <div id="welcome"
               <h1>Welcome to TicTacToe</h1>
               Click start to begin!
-----
            <div id="board":
                    <div class="box" id="0"></div>
                    <div class="box" id="1"></div>
<div class="box" id="2"></div>
                     <div class="box" id="3"></div>
                    <div class="box" id="4"></div>
<div class="box" id="5"></div>
                     <div class="box" id="6"></div>
                    <div class="box" id="7"></div>
<div class="box" id="8"></div>
                <button type="button" class="btn btn-light" id="resetgame">Reset</button>
            <script src="node_modules/jquery/dist/jquery.js"></script>
           <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
<script src="index.js"></script>
       </body>
```



```
# index.css ×
       https://developer.mozilla.org/en-US/docs/Web/CSS/CSS_Grid_Layout/Basic_Concepts_of_Grid_Layout*
          alsplay: grid;
grid-template-columns: 100px 100px 100px;
grid-template-rows: 100px 100px 100px;
justify-content: center;
row-gap: 10px;
column-gap: 10px;
padding-top: 50px;
    .box{
    display: flex;
    border-style: solid;
    border-width: 1px;
         border-width: 1px;
border-adius: 5px;
border-color: #ffffff;
align-items:center;
justify-content: center;
background-color: #f8b8589;
font-size:50pt;
font-family:'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
color: #fc2e5d3;
    #welcome{
    padding-top: 100px;
    color: ■#c2e5d3;
    #wrapper{
	text-align: center;
	background-color:□#1b1e23;
   #winner{
color:□orange;
                                               index.html # index.css
                                                                                                                                                                                                .gitignore ×
Js index.js
                          node_modules
```



GitHub Repository Link:

https://github.com/romanaragon/FET5_TicTacToe.git