

### Week 11: Coding Assignment

### **URL to GitHub Repository:**

https://github.com/Rcruzn33/tic-tac-toe-game.git

### **URL to Your Coding Assignment Video:**

https://youtu.be/bcSoAReptno

#### **Instructions:**

- In Visual Studio Code, write the code that accomplishes the objectives listed below and ensures that the code compiles and runs as directed.
- Create a new repository on GitHub for this week's assignments and push this document, with your project code, to the repository.
- Include the URLs for this week's repository and video where instructed.
- Submit this document as a .PDF file in the LMS.

### **Coding Steps:**

- Using any of the tools you've worked with so far, create a game of Tic-Tac-Toe.
  - Create a Tic-Tac-Toe game 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.
  - A heading should say whether it is X's or O's turn and change with each move made.
  - A button should be available to clear the grid and restart the game.
  - 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.



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#### **Video Steps:**

- Create a video, up to five minutes max, showing and explaining how your project works with an emphasis on the portions you contributed.
- This video should be done using screen share and voice over.
- This can easily be done using Zoom, although you don't have to use Zoom, it's just what we recommend.
  - You can create a new meeting, start screen sharing, and start recording.
  - o This will create a video recording on your computer.
- This should then be uploaded to a publicly accessible site, such as YouTube.
  - Ensure the link you share is **PUBLIC** or **UNLISTED!**
  - If it is not accessible by your grader, your project will be graded based on what they can access.



# **PROMINEO TECH**

## Week 11: Coding Assignment

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## **PROMINEO TECH**

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       V OPEN EDITORS
                                                30  // Reset the game
31  function reset() {
                                                      // Clear the board
$(".btn-sq-responsive").text("");
$(".btn-sq-responsive").prop("disabled", false);

✓ TIC TAC TOE GAME

                                                      // Reset the player's turn and move count
currentPlayer = "X";
moveCount = 0;
                                                        // Update the screen to show player 1's turn
$("#screen").text("PLAYER 1 TURN");
                                                       // Check if the game has ended
function checkGameStatus() {
                                                         // Possible winning combinations
let boxes = $('.btn-sq-responsive').toArray();
                                                         let hasWinningCombo1 = false;
                                                          [0, 1, 2], [3, 4, 5], [6, 7, 8], // horizontal [0, 3, 6], [1, 4, 7], [2, 5, 8], // vertical [0, 4, 8], [2, 4, 6] // diagonal
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                                                         for (let i = 0; i < winningCombos.length; i++) {
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                                                         for (let i = 0; i < winningCombos.length; i++) {
  const [a, b, c] = winningCombos[i];
  const Box1 = $(boxes[a]);
  const Box2 = $(boxes[b]);</pre>
       V TIC TAC TOE GAME
                                                           const Box3 = $(boxes[c]);
          () .package-lock.json
                                                         if (Box1.text() === "X" && Box2.text() === "X" && Box3.text() === "X") {
                                                           console.log("1" + hasWinningCombo1);
                                                         else if (Box1.text() === "0" && Box2.text() === "0" && Box3.text() === "0") {
                                                          hasWinningCombo2 = true;
console.log("2" + hasWinningCombo2)
                                                          if (hasWinningCombo1) {
                                                            // Display the winner
$("#screen").text(` Player 1 WINS!`);
                                                            $(".btn-sq-responsive").filter(function() {
   return !$(this).text();
                                                            }).prop("disabled", true);
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## **PROMINEO TECH**

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