

Week 11: Coding Assignment

URL to GitHub Repository: https://github.com/ValeriaMontano/TicTacToe

URL to Your Coding Assignment Video:

https://www.youtube.com/watch?v=9qB280f6w5k&t=22s

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.
 - O You can create a new meeting, start screen sharing, and start recording.
 - 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!**
 - o If it is not accessible by your grader, your project will be graded based on what they can access.



PROMINEO TECH

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```
if (options[cellIndex] != "" || !running) {
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                 updateCell(this, cellIndex);
                 checkWinner();
             function updateCell(cell, index) {
                 //update the placeholders
options[index] = currentPlayer;
cell.textContent = currentPlayer;
              function changePlayer() {
                 currentPlayer = currentPlayer === "X" ? "0" : "X";
                  statusText.textContent = `${currentPlayer}'s turn.`;
              function checkWinner() {
                 unction cneckwinner() {
let round/bon = false;
for (let i = 0; i < winConditions.length; i++) {
  const condition = winConditions[i];
  const cellA = options[condition[0]];
  const cellB = options[condition[1]];
  const cellC = options[condition[2]];</pre>
                    //check for empty spaces
if (cellA == "" || cellB == "" || cellC == "") {
                        continue:
                     //check for same characters/winner
if (cellA == cellB && cellB == cellC) {
   roundWon = true;
                    break;
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                if (roundWon) {
   statusText.textContent = `${currentPlayer} wins!`;
               running = false;
} else if (!options.includes("")) {
   statusText.textContent = `Draw!`;
   running = false;
               } else {
  changePlayer();
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               currentPlayer = "X";
options = ["", "", "", "", "", "", "", "", ""];
statusText.textContent = `$(currentPlayer)'s turn.`;
cells.forEach((cell) => (cell.textContent = ""));
                running = true;
```



PROMINEO TECH

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```
| Index.html | | Albania |
```



