TBI Assignment Not. Module 2

1. Variables ~

· coust board = Array (9), fin (mun);

- · Creates an array with I will values, representing the 3x3 Tic-Tad Toe guid.
 - · Let curent flager = 1 x ";
 - · Tracks the attrent player (x or o).
 - · let game Active = true,
 - · A flag to traver whether the of are is detire or has ended.

2. Functions

· renderboard()

- · Clears the board And re-rendus it haved on the board array.
- · Loops over lock cerrien the board array, veates a die element for each cell, and attaches an onclich event to handle player mous.
- . make Move (unaex).
 - · Handles player mones by updating the board array at the specified rider.
 - · Shi the the went player (x or o).
 - · Calls chell Winner () to check for a miner after each more
 - · Calls render boards to update the displayed board.

, check Winner ()

- · checks all the possible minning combinations to determine if a player is mining.
- · It hundring combination is journe, it displays a mersage much the minding player and display just for shoves. If a game is advant, it displays a draw mersage.
- · restarthane()~ · Resets the game by clearing the board array, setting current-- Player to "x" and re-establing the gametration true.

3. DOM Manipulation > "board", where the game · document, get Element By Id ("toard"). . Retwied the die Swith the id gid min be rendered. · donnent. veate Element ("div"). · breates aven dir clement for earliell in grid. · Assigns a click event handler to each cell, calling make Mone! · cell Div.oncluk = () => marké Mare (index); indek) unher the cerriscicked. . downent. get Elementsyld ("minner"). munitert = .. . Updates the text infide the p element unite the id="w. -uner todisplay the number or advan mensage 4. Event Handling · calls the restart brame () funition when the "Restart brame" · Dulick="restantigame()" button is wired. · cell Div. onelich=() => make More (index); Birds the makeflove () june to the onelien event of each sell, It passes the cell ender las an argument to handle the more. 5. Arrays Loops · Array (3). 'fin (mu) · Initializes an array with 9 well inclues to represent the empty cells in the Tic-tal-toe grid. · minning Combinations, for Each (combo => 9...3) · Loops over the predefined array of winning to moinations and cheeks if day of them drefeompretery by the