URL: https://mirarj.github.io/CS20/Assignment5 JS/

Questions:

1. What is the section of code you are most proud of (include the code in your answer). The section where I change the cursor image

```
if (currturn=="0") {
    cells.forEach(element => {
        element.style.cursor = "url('o.png') 8 8,auto"
    });
}
else
{
    cells.forEach(element => {
        element.style.cursor = "url('x.png') 8 9,auto"
    });
}
```

Code:

```
<!DOCTYPE html>
<html>
       <title>Tic Tac Toe</title>
       <meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
       <meta name='viewport' content='width=device-width, initial-scale=1'/>
           body {background-color: darkmagenta}
           body * {font-size: xx-large; text-align: center; max-width: 100%; color: white;
font-family: sans-serif;}
           input {color: darkmagenta;}
           table {margin: auto; text-align: center}
           td {width: 3em; height: 3em; text-align: center; padding: 0; margin: 0; border:
3px solid darkmagenta;}
            td > input {padding: 0; margin: 0; width: 100%; height: 100%; cursor:
url("x.png") 17 19,auto}
           #startover {width: 100%;}
           p {font-weight: bold;}
       </style>
```

```
<script>
               for (let i = 0; i < 3; i++) {
                  document.write("\langle tr\\n")
                  for (let j = 0; j < 3; j++) {
                      document.write(
                          "\t\n\t\t<input type='button' class='cell' id='"+i+j+"'
value=' '>\n\t\n")
                  document.write("\n")
           </script>
           id="turntxt">X's turn
       <input type="button" value="Start Over" id="startover" style="display: none;">
       <script>
           currturn = "X";
           canmove = true;
           cells = document.guerySelectorAll("td input[type='button']");
           turntxt = document.getElementById("turntxt");
           wintxt = document.getElementById("wintxt");
           startover = document.getElementById("startover");
           function makeMove(button)
               if (button.value != " " || !canmove) {return}
               button.value = currturn;
               if (checkWin(currturn))
                  canmove = false;
                  wintxt.innerHTML = currturn + " wins!";
                  startover.style.display="";
```

```
if (checkTie()) {
        canmove = false;
        wintxt.innerHTML = "You tied";
        startover.style.display="";
        return;
    if (currturn == "X") {currturn="0";}
    else if (currturn == "0") {currturn="X";}
    turntxt.innerHTML = currturn + "'s turn";
    if (currturn=="0") {
        cells.forEach(element => {
            element.style.cursor = "url('o.png') 8 8,auto"
        });
   else
        cells.forEach(element => {
            element.style.cursor = "url('x.png') 8 9,auto"
        });
function checkWin(turn)
    winstates = ['012','345','678','036','147','258','048','246'];
    for (let state = 0; state < winstates.length; state++)</pre>
        won = true;
        // check if player hasn't filled any of the cells for that win state
        for (let i = 0; i < winstates[state].length; i++)</pre>
            if (cells[winstates[state][i]].value != turn)
```

```
won = false;
                   if (won) {return true;}
              return false;
          function checkTie()
              grid_full = true;
              cells.forEach(element => {
                   grid_full = grid_full && element.value!=" "
              });
              return grid_full;
          cells.forEach(element => {
              element.addEventListener('click', function(){makeMove(element)});
          });
          function clearAll()
              cells.forEach(element => {element.value=" "});
              wintxt.innerHTML = "";
              startover.style.display="none"
              canmove = true;
          startover.addEventListener('click', function(){clearAll()});
      </script>
/html>
```