



DGMD E-28

Developing Single Page Web Applications

Assignment 2: Tic Tac Toe Part 1

Summary

Your assignment is to create Tic Tac Toe as a web app using JavaScript

This assignment will be started this week and completed in the upcoming assignments.
Do not do more than is requested each week.

Please check the tasks and the specification carefully to ensure you submit correctly.

Ground Rules

- You may use HTML, CSS only for this version.
- DO NOT look up how to do this online. DO NOT use AI for help.
- Use only the techniques we discussed in class and in the notes.
- Your page must work online in Github.
- You may add enhancements or variations after meeting the requirements only if you request approval in advance from the instructor.

Tasks for this week:

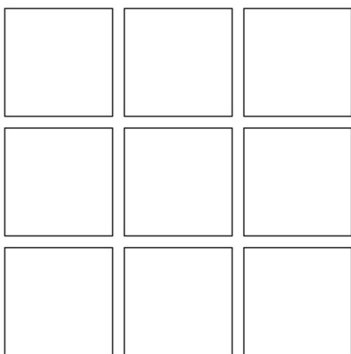
Version 1:

Create an HTML file called `ttt_v1.html`

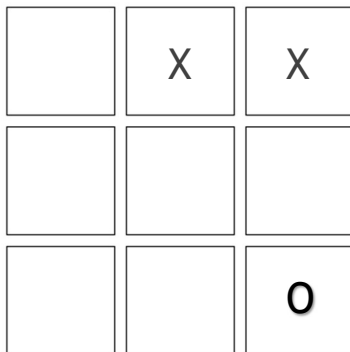
Build a tic tac toe board using HTML and CSS. Each square should be created using a `<div>` element.

The squares should end up looking similar to the example below - note that the boxes are 100px by 100px with a 5px margin.

The “board” should be centered on the page. Changing the width of the page should not degrade the display. The page should look correct for all widths from 600px and up.



- Hard code two X's and one O in 3 different squares of your choice. This will help you to get the position and sizing of the X's and O's correct. (See example below)



- Add CSS such that the background color of any square is changed when you hover over it.
- Add a title to the page (something like Tic Tac Toe Game) using an h1
- Add a link to the Wikipedia page for tic tac toe (<https://en.wikipedia.org/wiki/Tic-tac-toe>) or other page you find interesting that explains the game. It should open in a new tab.
- Add a button below the board called “Start Game” - create the button using the input tag or the button tag
- Add a div about the board that say's “X's Turn” (or something similar)
- All CSS should be an internal style sheet.

Deliverable WorkSheet

URL of your page working online https://pochat.github.io/tic-tac-toe/ttt_v1.html

Code file has been uploaded to canvas

Answer: What was the most satisfying part of this assignment?

This assignment is really fun. I enjoyed “drawing” the squares as div; it was therapeutic.

The professor explains things very clear, well paced, and with a sense of humor.

Rubric

20 points	Creativity & Effort
50 points	Meets requirements
30 points	Overall quality/technical proficiency
