Coding Challenge

This challenge has 2 parts to it. We are testing your abilities with React as well as your ability to write Vanilla JavaScript. Please comment your code to explain your process. Once you have completed the challenge please send a zip file with your work.

Part 1

Create the game Connect 4 in a React based app. The game should consist of a grid 7 across and 6 high. There should be 2 players that alternate turns. During a turn a user can select, which column to put their piece in. The game should recognize when someone has won and alert them. There should also be a button to reset the game.

Part 2

Create the same game as above, Connect 4, using Vanilla JavaScript, HTML, and CSS. You may use jQuery if you see fit. As mentioned above the game should consist of a grid 7 across and 6 high. There should be 2 players that alternate turns. During a turn a user can select, which column to put their piece in. The game should recognize when someone has won and alert them. There should also be a button to reset the game.

Bonus

Make an option in both games for 1 or 2 players, if there is only one player they are playing against the computer.

Be creative.