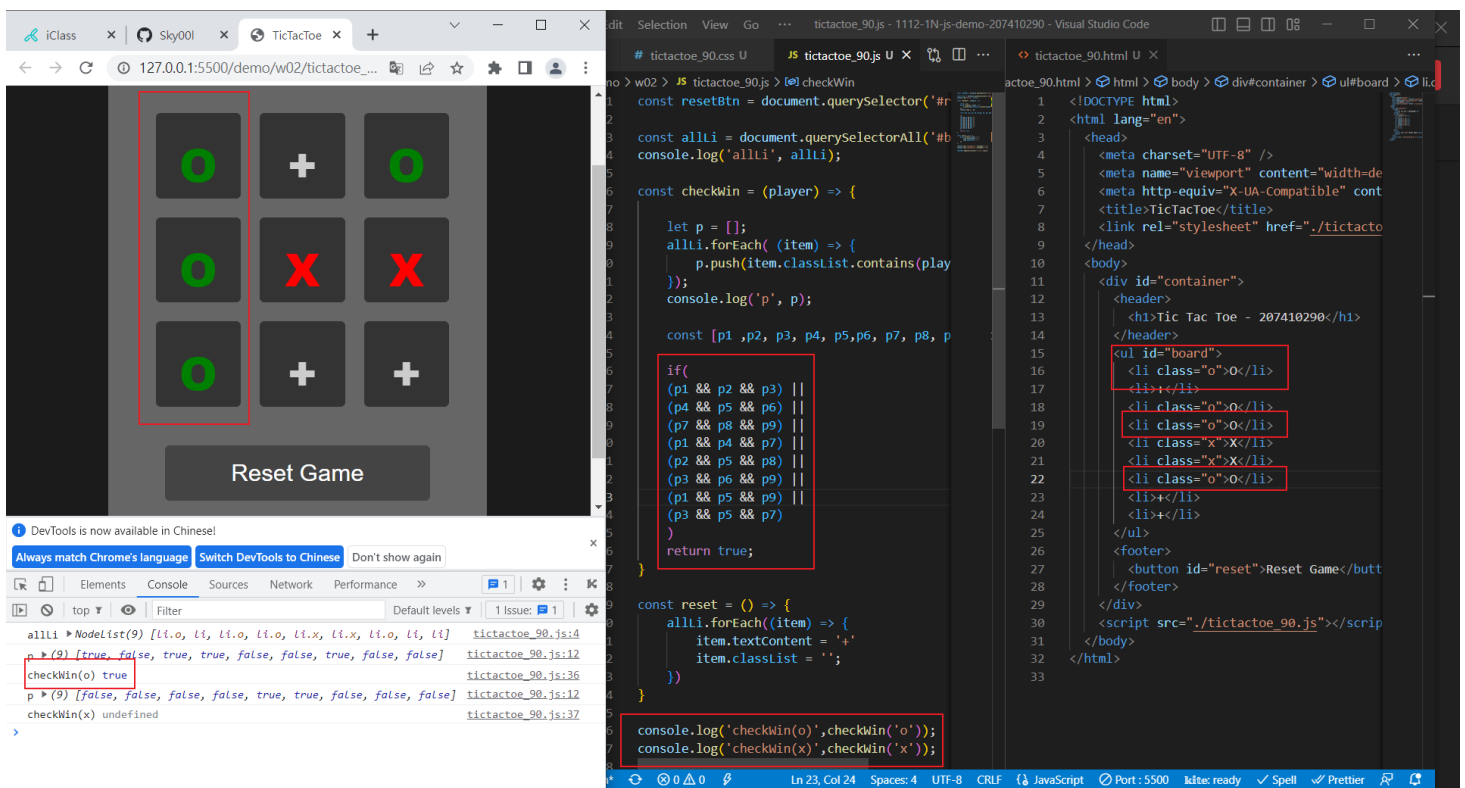
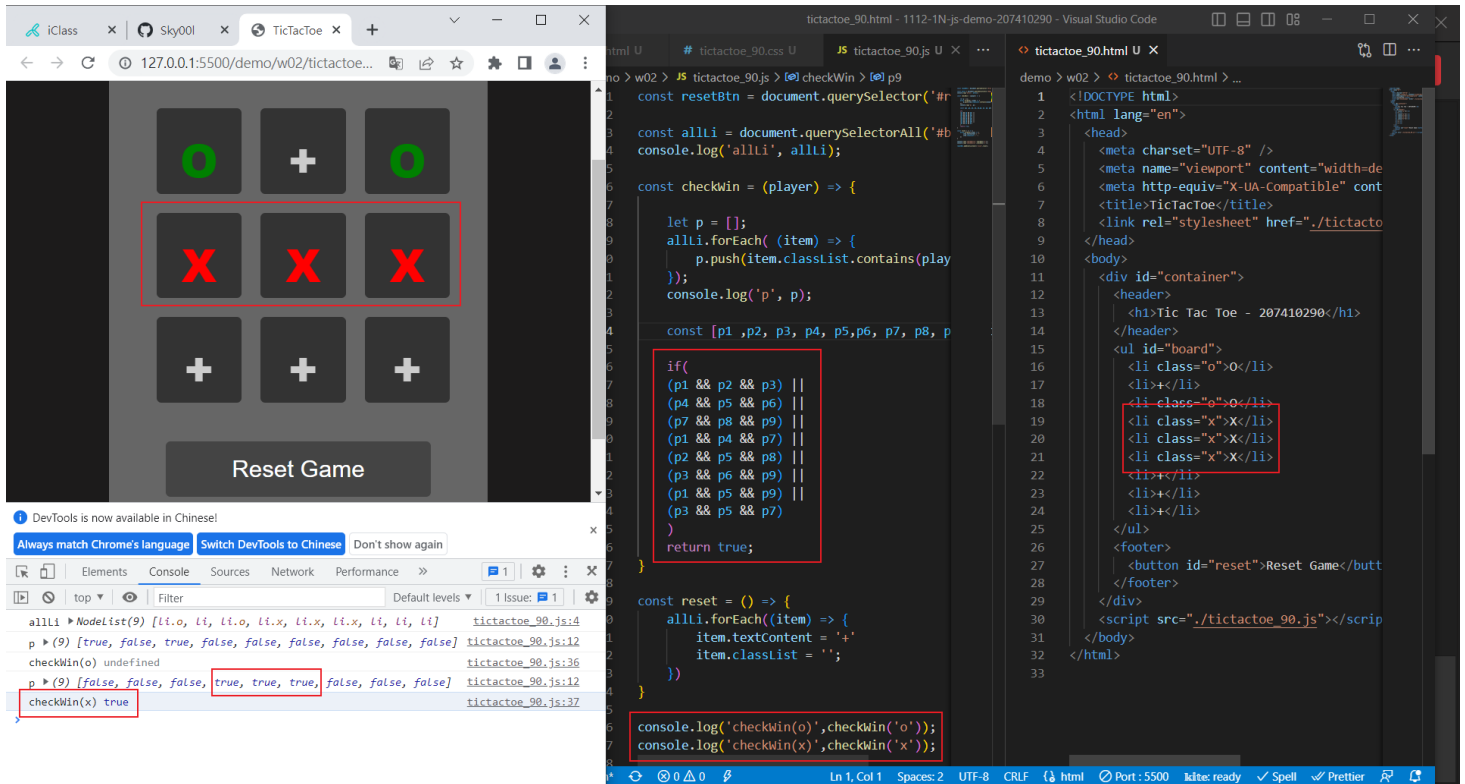


Github URL

W02-P1: checkWin to determine who wins, you need to create four images as said in class



Visual Studio Code interface showing the TicTacToe game logic and HTML structure.

HTML Structure (tictactoe_90.html):

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>TicTacToe</title>
    <link rel="stylesheet" href="/tictactoe.css" />
  </head>
  <body>
    <div id="container">
      <div id="board">
        <li class="x">X</li>
        <li></li>
        <li></li>
        <li class="o">O</li>
        <li class="x">X</li>
        <li></li>
        <li></li>
        <li></li>
        <li class="x">X</li>
      </div>
      <button id="reset">Reset Game</button>
    </div>
    <script src="/tictactoe_90.js"></script>
  </body>
</html>
```

JavaScript Logic (tictactoe_90.js):

```
const resetBtn = document.querySelector('#reset');
const allLi = document.querySelectorAll('li');
console.log('allLi', allLi);

const checkWin = (player) => {
  let p = [];
  allLi.forEach((item) => {
    p.push(item.classList.contains(player));
  });
  console.log('p', p);

  const [p1, p2, p3, p4, p5, p6, p7, p8, p9] = p;

  if(
    (p1 && p2 && p3) ||
    (p4 && p5 && p6) ||
    (p7 && p8 && p9) ||
    (p1 && p4 && p7) ||
    (p2 && p5 && p8) ||
    (p3 && p6 && p9) ||
    (p1 && p5 && p9) ||
    (p3 && p5 && p7)
  ) {
    return true;
  }
};

const reset = () => {
  allLi.forEach((item) => {
    item.textContent = '+';
    item.classList = '';
  });
};

console.log('checkWin(o)', checkWin('o'));
console.log('checkWin(x)', checkWin('x'));
```

Browser Console:

```
allLi > NodeList(9) [li.x, li, li, li.o, li.x, li, li, li, li.x]
p > (9) [false, false, false, true, false, false, false, false, false]
checkWin(o) undefined
p > (9) [true, false, false, false, true, false, false, false, true]
checkWin(x) true
```

Visual Studio Code interface showing the TicTacToe game logic and HTML structure.

HTML Structure (tictactoe_90.html):

```
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  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>TicTacToe</title>
    <link rel="stylesheet" href="/tictactoe.css" />
  </head>
  <body>
    <div id="container">
      <div id="board">
        <li class="x">X</li>
        <li></li>
        <li class="o">O</li>
        <li class="o">O</li>
        <li class="o">O</li>
        <li></li>
        <li></li>
        <li></li>
        <li class="x">X</li>
      </div>
      <button id="reset">Reset Game</button>
    </div>
    <script src="/tictactoe_90.js"></script>
  </body>
</html>
```

JavaScript Logic (tictactoe_90.js):

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const resetBtn = document.querySelector('#reset');
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  if(
    (p1 && p2 && p3) ||
    (p4 && p5 && p6) ||
    (p7 && p8 && p9) ||
    (p1 && p4 && p7) ||
    (p2 && p5 && p8) ||
    (p3 && p6 && p9) ||
    (p1 && p5 && p9) ||
    (p3 && p5 && p7)
  ) {
    return true;
  }
};

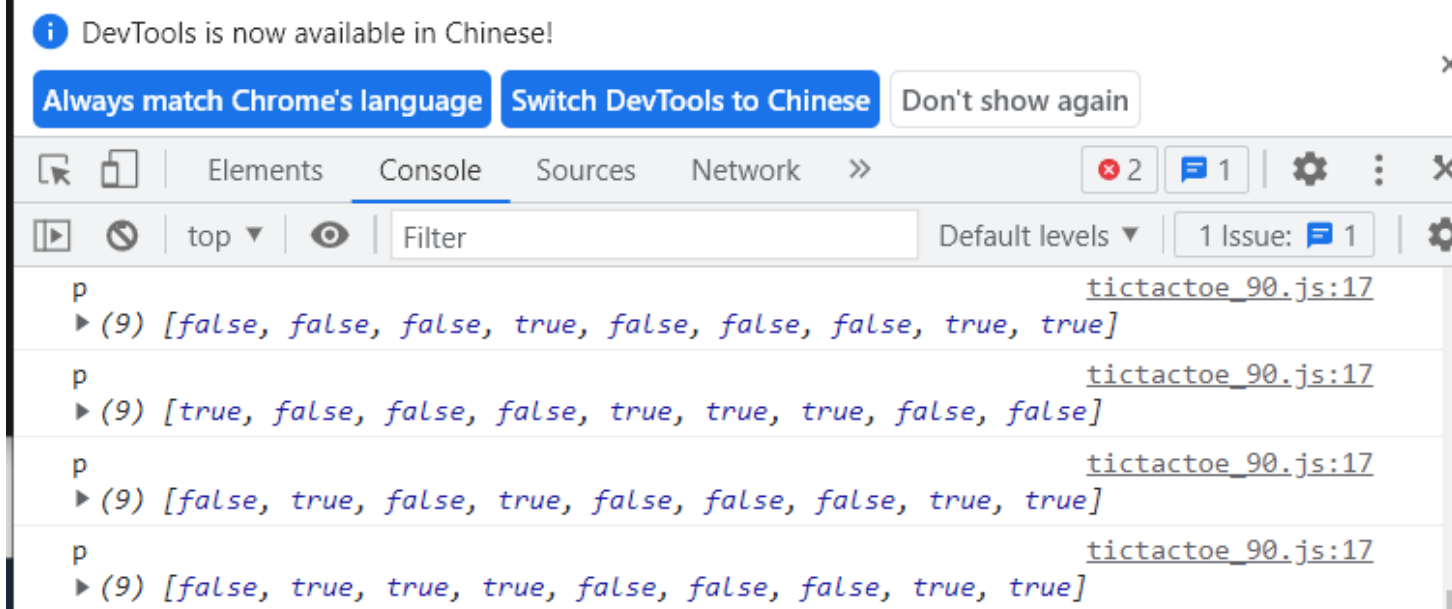
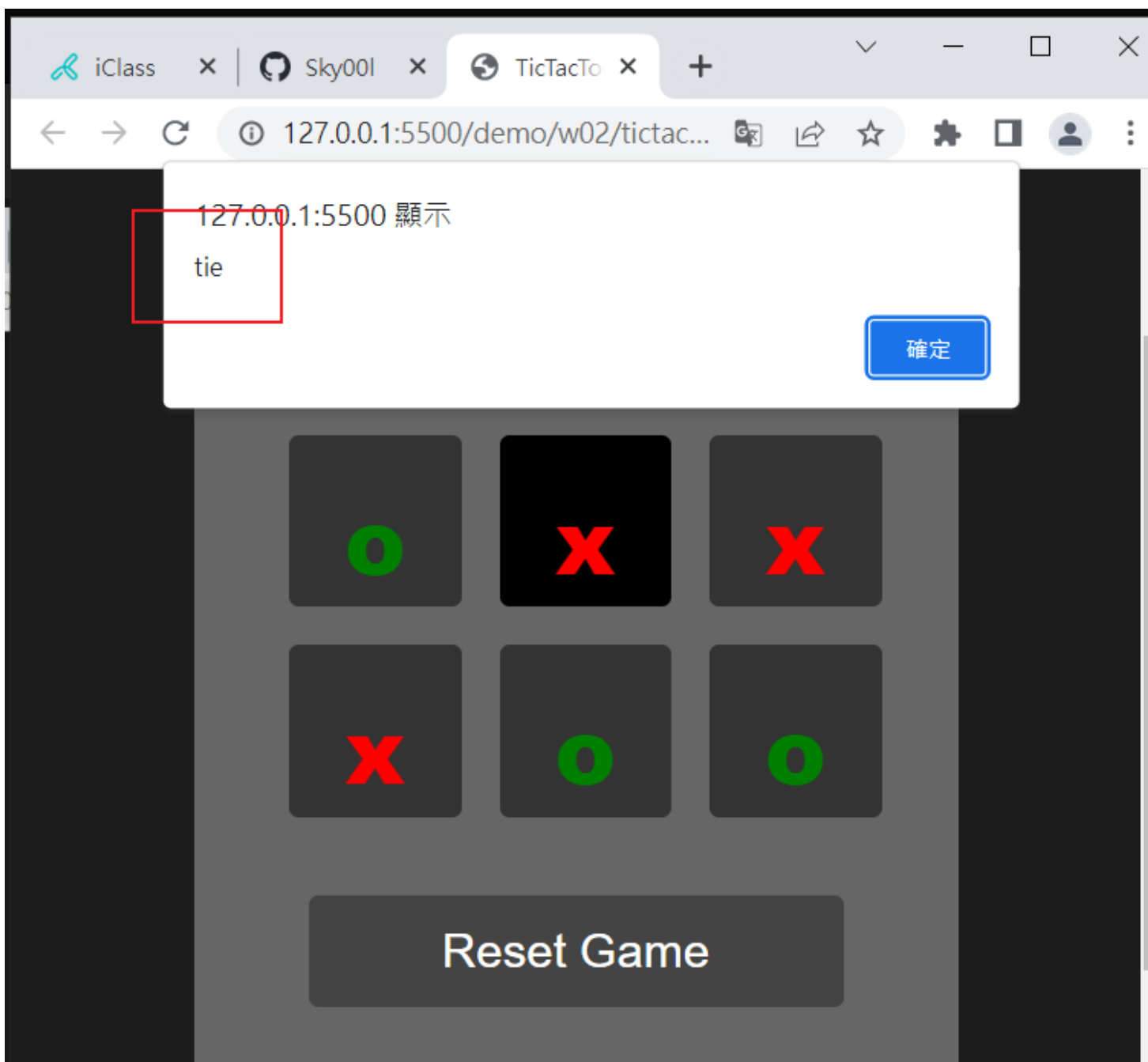
const reset = () => {
  allLi.forEach((item) => {
    item.textContent = '+';
    item.classList = '';
  });
};

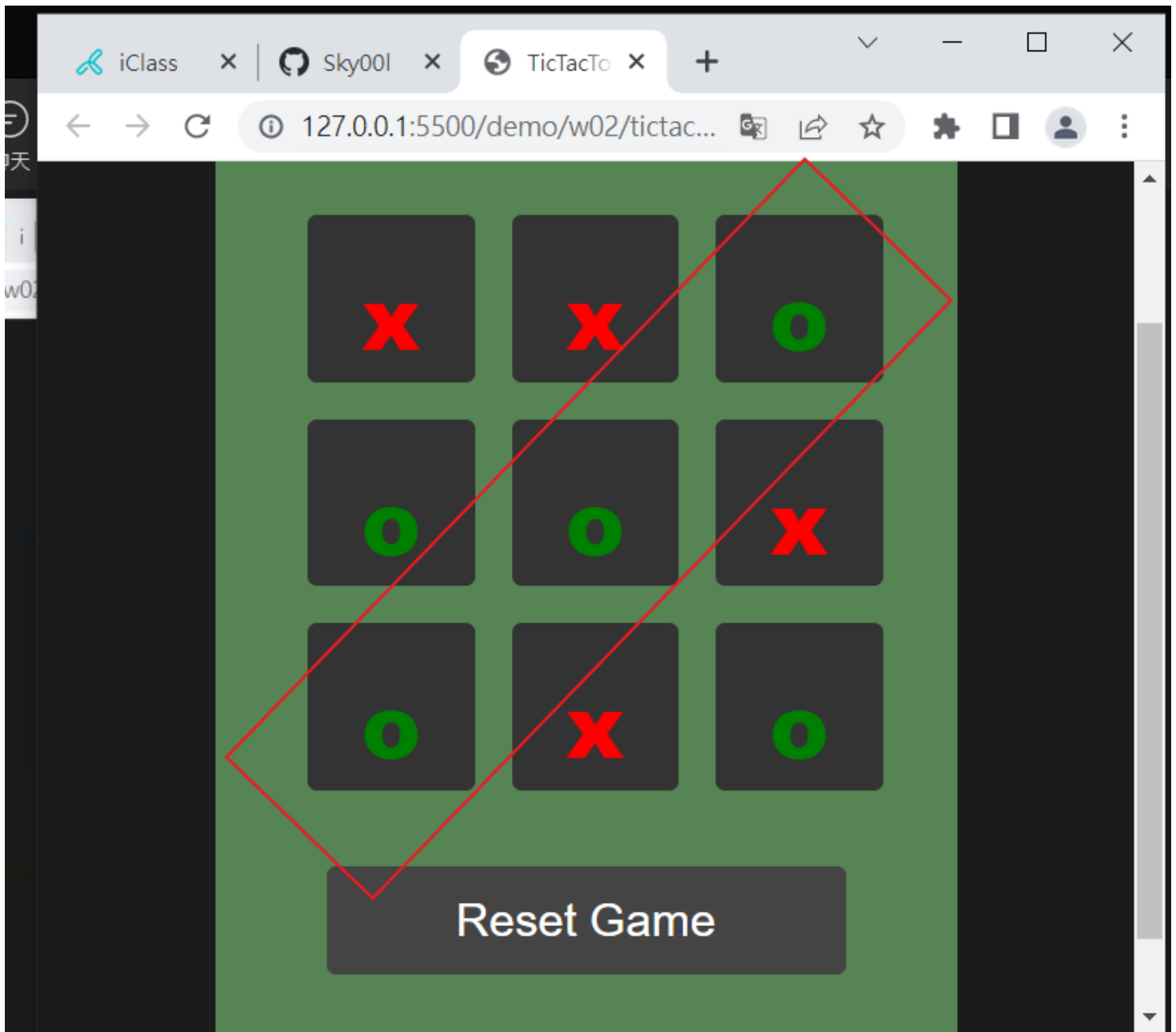
console.log('checkWin(o)', checkWin('o'));
console.log('checkWin(x)', checkWin('x'));
```

Browser Console:

```
allLi > NodeList(9) [li.x, li, li, li.o, li, li, li.o, li, li.x]
p > (9) [false, false, true, false, true, false, true, false, false]
checkWin(o) true
p > (9) [true, false, false, false, false, false, false, false, true]
checkWin(x) undefined
```

W02-P2: O win (9 times), X wins (8 times), tie (9 times)





i DevTools is now available in Chinese!

Always match Chrome's language

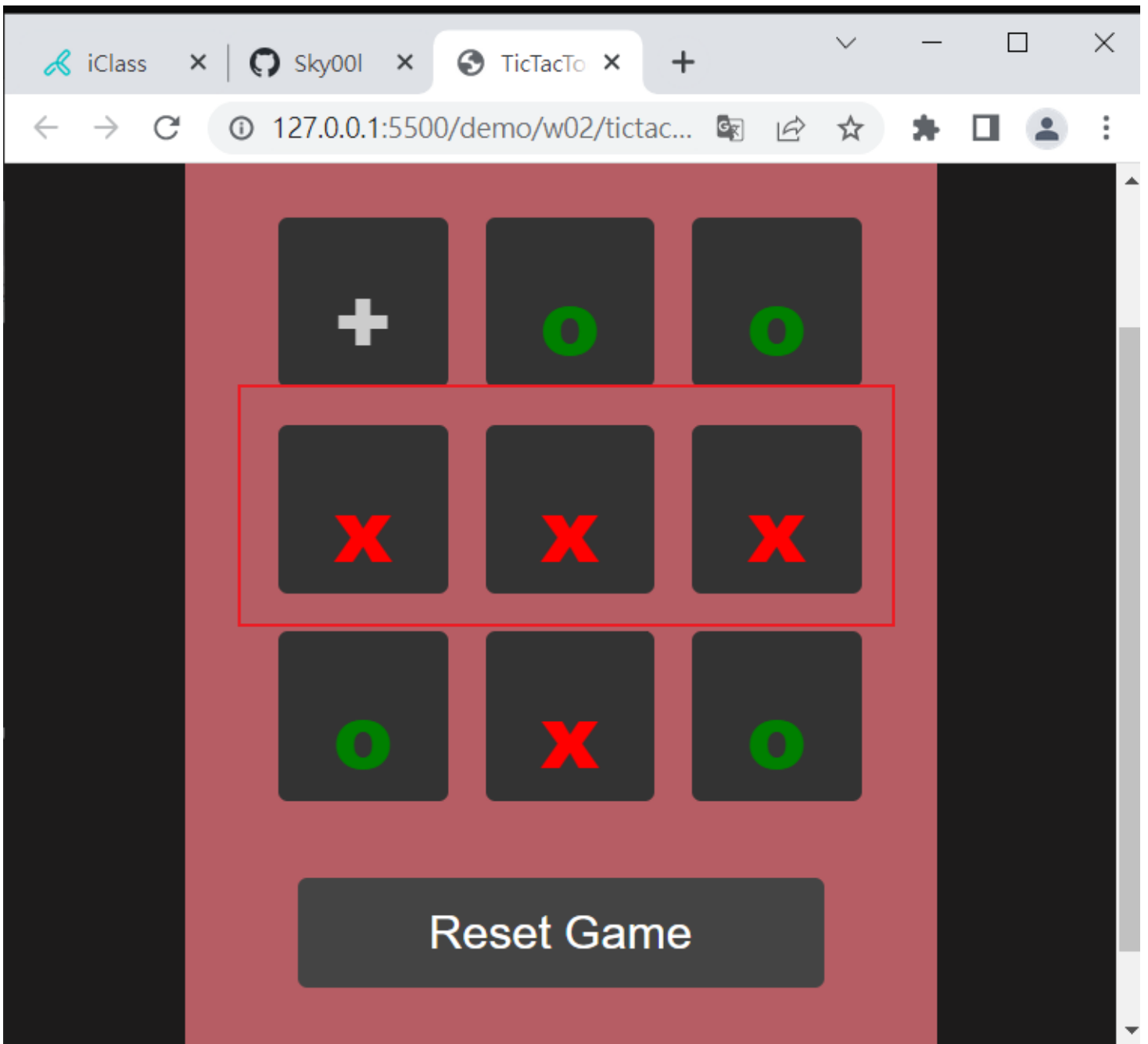
Switch DevTools to Chinese

Don't show again

Elements Console Sources Network >>

top Filter Default levels 1 Issue: 1 3 hidden

```
p tictactoe_90.js:17
▶ (9) [false, true, false, false, false, true, false, true, false]
p tictactoe_90.js:17
▶ (9) [false, false, false, true, true, false, true, false, true]
p tictactoe_90.js:17
▶ (9) [true, true, false, false, false, true, false, true, false]
p tictactoe_90.js:17
▶ (9) [false, false, true, true, true, false, true, false, true]
```



DevTools is now available in Chinese!

Always match Chrome's language

Switch DevTools to Chinese

Don't show again

Elements Console Sources Network

top Filter Default levels 1 Issue: 1

```
p tictactoe_90.js:17
▶ (9) [false, true, true, false, false, false, false, false, true]



p tictactoe_90.js:17
▶ (9) [false, false, false, false, true, true, false, true, false]

p tictactoe_90.js:17
▶ (9) [false, true, true, false, false, false, true, false, true]

p tictactoe_90.js:17
▶ (9) [false, false, false, true, true, true, false, true, false]
```

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<input type="checkbox"/>	<div><div>Hsingtai Chung htchung • Collaborator</div></div>	Remove
<input type="checkbox"/>	<div><div>jerry7657 Collaborator</div></div>	Remove