

<b>Project Title</b>	Tic-Tac-Toe Game
<b>Technologies</b>	HTML, CSS, JavaScript
<b>Project Difficulties level</b>	Hard

### Project Description:

In this project, you will design and implement a classic two-player Tic-Tac-Toe game using HTML, CSS, and JavaScript. Tic-Tac-Toe is a simple yet engaging game that will allow you to practice your front-end web development skills.

### Project Objectives:

- Create a user-friendly interface for the Tic-Tac-Toe game using HTML and CSS.
- Implement the game logic in JavaScript, allowing two players to take turns and determine the winner.
- Ensure that the game is responsive and works on both desktop and mobile devices.

### Project Requirements:

#### HTML Structure:

- Create the game board with a 3x3 grid of cells for the Tic-Tac-Toe game.
- Include a display area to show the current player's turn and the game result (win, tie, or ongoing).

#### CSS Styling:

- Style the game board, cells, and display area to make it visually appealing.
- Use CSS for responsive design to ensure the game works on various screen sizes.

#### JavaScript Game Logic:

- Implement the game logic to allow two players to take turns.

- Check for a win condition (three in a row, column, or diagonal) or a tie.
- Display the game result when a player wins or when the game ends in a tie.
- Provide a button to reset the game for a new round.

**User Interaction:**

- Allow players to click on empty cells to make their moves.
- Prevent further moves after a game has ended (win or tie).

**Project Guidelines:**

- Start by creating the HTML structure and CSS styling to set up the game interface.
- Implement the game logic in JavaScript, including functions to handle player moves, check for win conditions, and update the game status.
- Ensure that your game is responsive and works on different screen sizes.
- Test your game thoroughly to make sure it functions correctly and displays the results accurately.
- Include comments in your code to explain the different sections and functions.

**Project Submission:**

You should submit a ZIP file containing the following:

- HTML file (index.html) for the game structure.
- CSS file (style.css) for the game styling.
- JavaScript file (script.js) for the game logic.
- Any additional assets or images you used.

**Evaluation Criteria:**

Your project will be evaluated based on the following criteria:

- **Functionality:** Does the game work correctly, Can players take turns and win or tie as expected
- **User Interface:** Is the game visually appealing and user-friendly
- **Responsiveness:** Does the game work on both desktop and mobile devices
- **Code Quality:** Is the code well-organized and commented for clarity

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This project is designed to help you apply your front-end web development skills and create an interactive and enjoyable game. Have fun working on your Tic-Tac-Toe project.