

Tic-tac-toe Game Design Document

Overview

Tic-tac-toe is a casual strategy game for everyone. It is easy to teach, and the player can play this game almost everywhere. Because it only requires a writing tool and a writable surface. Vandalism is not recommended.

Players: Two players

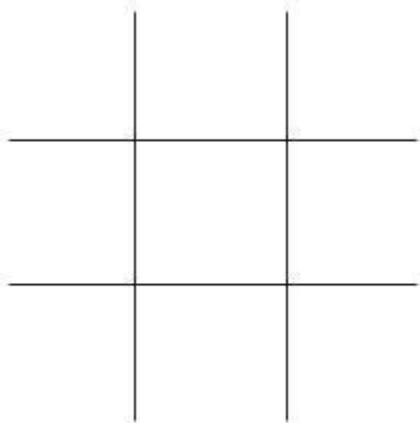
Time estimation: one – two minutes

Equipment

1. Paper (Or any surface that you can draw on)
2. Pen (Or anything that you can draw with)
(Or)
3. Game which we created in unity

Set Up

1. Draw a 3x3, nine possible spaces grid as follow.



2. With any method, one player chooses to draw O symbol; another player will draw X symbol.



Game Mechanic

How to play

- Use any method to find who will start first.
- Then each player taking turn draw their symbol on a space from that nine possible spaces.
- The one who met the winning condition first win.
- If after nine possible spaces are used, but no one wins, that game is a draw.

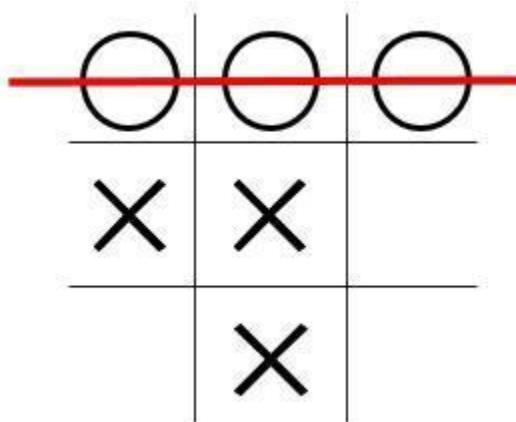
Goal

The goal of this game is to be the first one who draws three of the player's symbol to form one of these winning conditions

Winning Condition

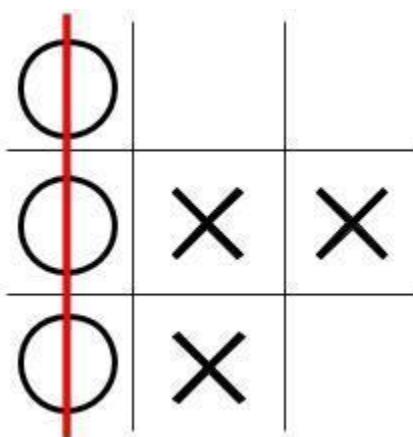
These are the acceptable win condition of this game.

Horizontal win.

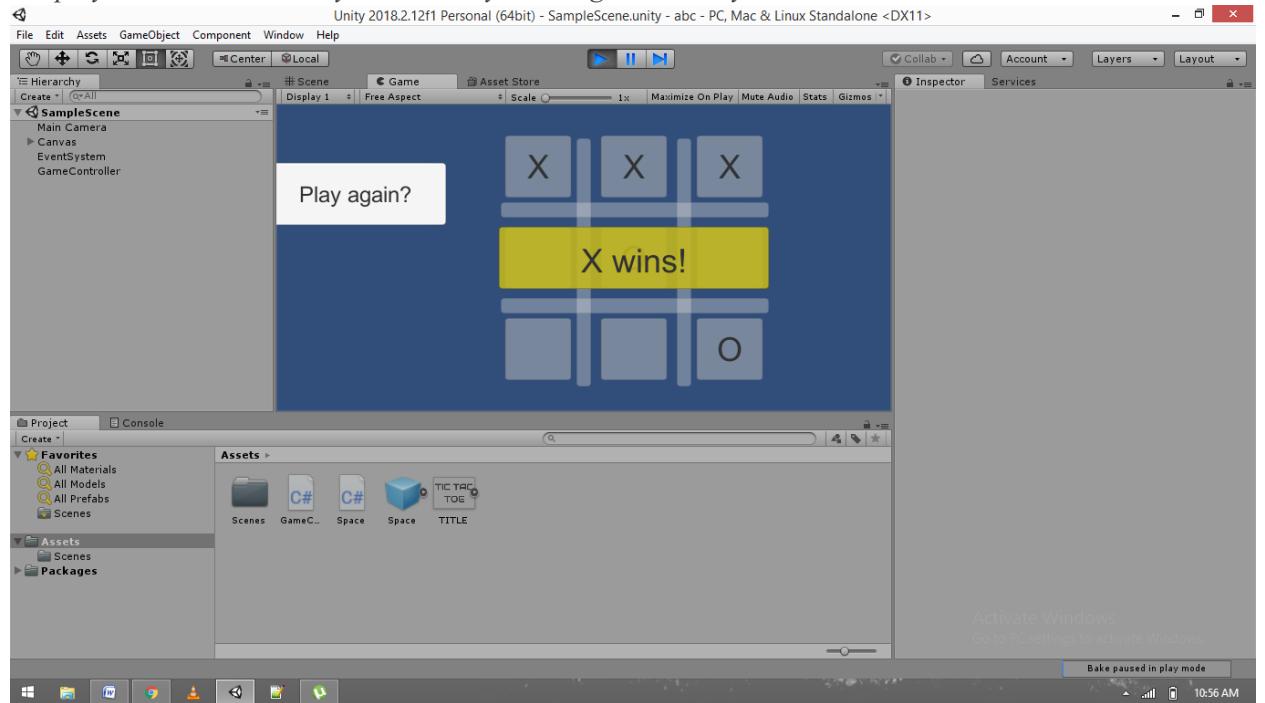


The player who controls O symbol won by drawing the three symbols in a horizontal line.

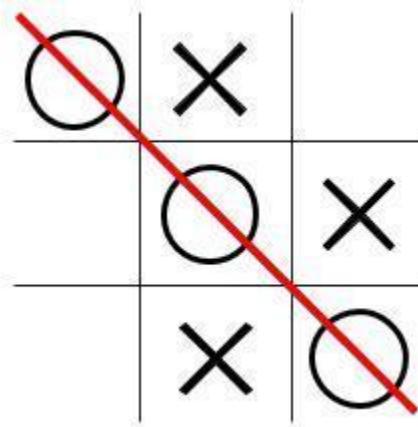
Vertical win.



The player who controls O symbol won by drawing the three symbols in a vertical line.



Diagonal win



The player who controls O symbol won by drawing the three symbols in a diagonal line.

Mechanic Explanation

- Anyone can play Tic-tac-toe almost everywhere with only pen and paper, making this a very casual game.
- With the goal in mind and only nine possible spaces to play, the player must think about defense and offense on the same move. Each move is very engaging.
- The one who plays first has a big advantage if he/she take the middle space because this space connects to every other space. This makes the mechanic of finding the first player very important.

Details

The Grid

The only important part of Tic-tac-toe grid is that it has nine spaces. The player can draw it any way they like.

The Symbol

If both symbols are different enough, the players can draw them any way they like.

Possible Variations

The players can play the game with bigger grid 4x4 or 5x5, but it is recommended that they also expand the winning requirements to four or five symbols in a row.

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