

TIC TAC TOE

Introduction:

Tic-tac-toe, alternatively called noughts and crosses, X's and O's, and many other names, is a pencil-and-paper game for two players, O and X, who take turns marking the spaces in a 3×3 grid, usually X going first. The player who succeeds in placing three respective marks in a horizontal, vertical, or diagonal row wins the game or in Tic-Tac-Toe a game can end with a player winning (getting 3 of his pieces in row) or end in a draw (no spaces left on the board with no-one winning).

4W's and 1H

What

- The Tic-Tac-Toe game is 2 player game on a computer-one plays with X's and the other as O's.
- The game starts with one of the players and ends with one of the players who has one whole row/column/diagonal filled with their respective character ('X' or 'O'). If no one wins then the game is said to be draw.

Why

- Tic Tac Toe game helps to apply the logic and develop strategy at an early age. Tic-tac-toe helps develop coordination, fine motor skills and visual skills.

When

- The Tic Tac Toe is a great way to pass your free time whether you're standing in a line or spending time with your kids.
- When bored with the day to day tats one can play it for refreshment.

Where

- It can now be played online in the computer rather than using the pen paper.

REQUIREMENTS

High-Level Requirements

- Maximum high definition.
- Design whole system with efficient manner.
- The game has to be user friendly.
- Instructions must be provided, which help the user throughout the game. This is useful for new users.

Low-Level Requirements

- Displaying the grid.
- Determining the winner of the game.
- Providing the options to play again.

SWOT Analysis

STRENGTHS

- Efficient in terms of time.
- Returns an optimal action by assuming the opponent play.

WEAKNESS

- Game cannot be played by more than 2 players.
- It doesn't contain levels.
- It is error prone.

OPPORTUNITIES

- Simplifies versions
- Young and encouraged for kids.

THREATS

- Players might get bored.
- Emerging of different attractive games.