

Project Proposal

Title

Tic-Tac-Toe: An Online Game of Xs and Os

Nickname

Tic-Tac-Toe

Description

The goal of this project will be to create an online tic-tac-toe game. Tic-tac-toe is a classic children's paper-and-pencil game. The following picture illustrates what a tic-tac-toe game board looks like:



The game is played by two players. The game board is a 3x3 grid. The players take turns making marks on the board. One player makes Xs and the other player makes Os. A player may make one mark per turn. The first player to make a row of 3 marks in the horizontal, vertical, or diagonal direction wins the game. For more details on the game of tic-tac-toe, see the [Wikipedia page](#).

People love the game of tic-tac-toe, and this app will enable them to play it online with opponents from all around the world. In addition to enabling playing the game, the app will record individual stats for each player, keeping track of, for example, a player's win/loss record and opponents played. It will award badges and ranks to players based on their historical data. The app will provide features for finding new opponents to play against. For example, it will help players search for other players at a similar level, and it will enable a player to invite other players to play then and there or to schedule game times for later. During a game, players will be able to message each other in real time.

Because cases of misconduct can happen, players will have a way of reporting other players who violate the app's terms of use. Additionally, administrators will have the ability to disable the account of players who violate the rules.