Tic Tac Toe Game

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This application features the game of tic tac toe with additional features such as a score tracker as well as a rule book which displays the rules of the game as well as how to win. To start, the application opens with the main form which has two buttons asking the user if they would like to either start the game or view the rules. Both the game form and the form containing the rules can be exited at any time to return to their main form. The first button opens the form which displays the tic tac toe gameboard. The second button displays a rulebook which tells the user how to play the game and how to win the game.

The form for the main game features a gameboard consisting of 9 labels arranged in a 3X3 format which represents the gameboard. The gameboard also has both an X and Y axis to help guide the user with selecting a space to claim. To the left of the gameboard features 2 textboxes and a button in which the user enters the coordinates for the space they would like to claim and then use the button to claim the space in which they have chosen. If that space has already been claimed, then a message box will be shown saying that the user must pick a different space. Both players will pick spaces until one player either matches 3 spaces in a row or all the spaces are filled with no winner declared. If one player wins or the game ends in a tie the board will reset. A label is shown on the left of the game form displaying the current turn within the game. The score is displayed in the bottom left corner of the game screen and is updated after every game based on which player wins and the score will not be changed if the game results in a tie. The game form also includes a clear button which allows the user to manually clear the application and includes a quit button which allows the user to manually quit the application.

Attached to both the game form and the main form Is a button which displays the rules on how to play the game as well as how to win. Also attached is an image which displays every possible combination of claiming 3 spots in a row that will result in a win. The form containing the rules will a button which will allow the user to manually exit the form.