Project 1

Title Connect Four

Course CIS-17b

Section **43399**

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1 Introduction

Title: Connect Four

Connect Four is an easy game for two people to put their checker into a board in order. Two players own different colors of pieces, and these pieces come in two colors, black and red; The board is placed vertically, so the pieces can only slide down from the top to the bottom. And the players need to put his/her pieces to the top of the column that he/she would like to let the piece slide down. Place pieces one by one, until one player wins the game.

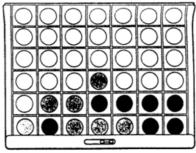
2 Game Play and Rules

Number of players: 2

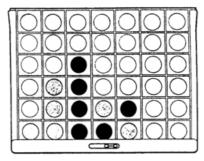
Rules:

Try to build a row of four of your colored checkers in a row - horizontally, vertically, or diagonally while keeping your opponent from doing the same.

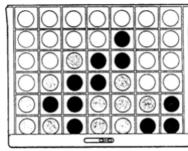
There are three pictures that show the three situations:



FOUR IN A ROW HORIZONTALLY



FOUR IN A ROW VERTICALLY



FOUR IN A ROW DIAGONALLY

How to play:

- 1. Decide who plays first. Players will alternate turns after playing a checker.
- 2. On your turn, after clicking your checker, click the column in which you want the checker to fall, and the checker will land in the bottom empty slot in that column
- 3. Play alternates until one player gets FOUR checkers of his or her color in a row. The four in a row can be horizontal, vertical, or diagonal.

How to win:

If you are the first player to get four of your checkers in a row, you win the game!

To start another game:

- 1. <u>If you or your opponent won the game, there will be a "You win!" "Or" Sorry, you lost "and asks if you want to start over.</u>
- 2. If you want to abort the game, you can restart or quit the game by clicking the "abort game" button next to it.

3 Development Summary

Lines of Code	
Lines of Comment	
Number of Class	
Total Lines of Source File	