Project 3-Part I: Connect Four Game

Authors: Ricordo Gonzalez (netID: rgonza 82)

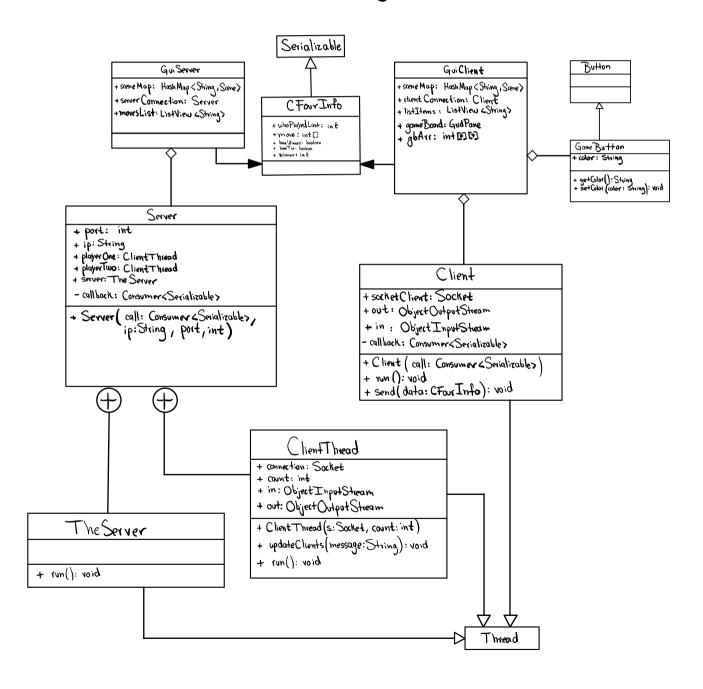
Quang Le (netID: qle21)

CS 342: Software Design

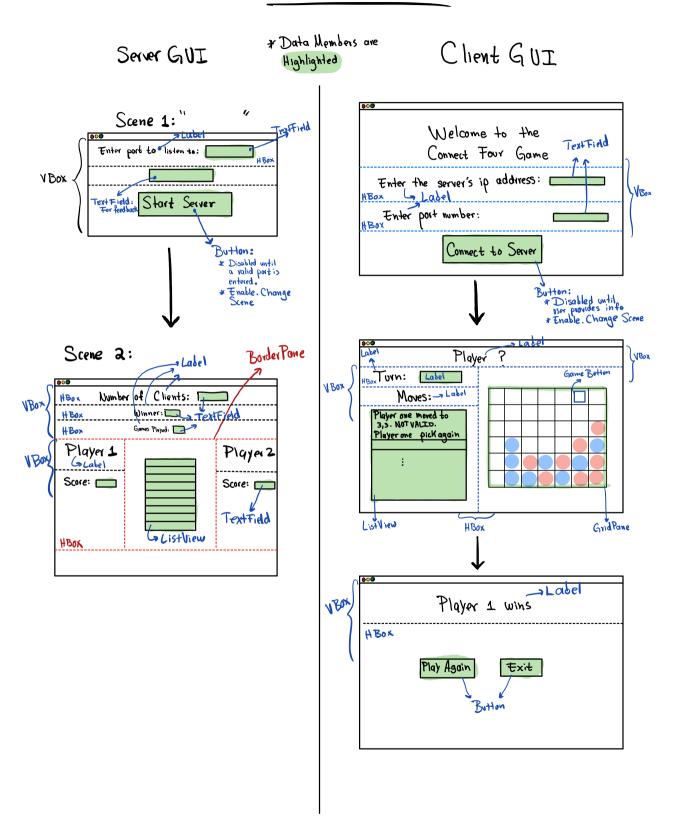
Fall 2022

Professor: Mark Hallenbeck

### Class Diagram



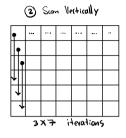
#### Wireframe

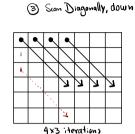


# Checking for a Winner Algorithm

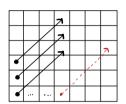








(4) Scan Diagonally, up



# Networking Algorithm

Client makes a move	Server receives data	Client receives data
Depresses an enabled button.  Get the source of the event  Get the row. Get the column  Record the move in a 2D array  La Check if he won.  The GVICtiont records  the move in CTOVInfo.  Send object to Client Thread via  the send method inside Client.  DISABLE.  Wait.	(a) Server receives object via ClientThread inside run() (b) Calls callback.accept(cfourlifo) to modify the Server GUI (c) Depending on who made the move, ClientThread will send the object to the other client: playerTwo.out.wr:teObject(cfowInk)  If Note that a ClientThread object has access to the other ClientThread because both are defined inside Server.	© Client receives object  ② Calls callback.accept (CFourInfo) to update its GUI (including the 2D array) ENABLE.

# Networking Algorithm Flow Diagram

