## Tic Tac Toe

## Crawe

Board board
List CPhyo7> players
Playor winner
List CMove> moves
GrameState jamestate
int cossentPlayer Inden

## Crame State

NOT\_STARTED

IN\_PROGRESS

ENDED

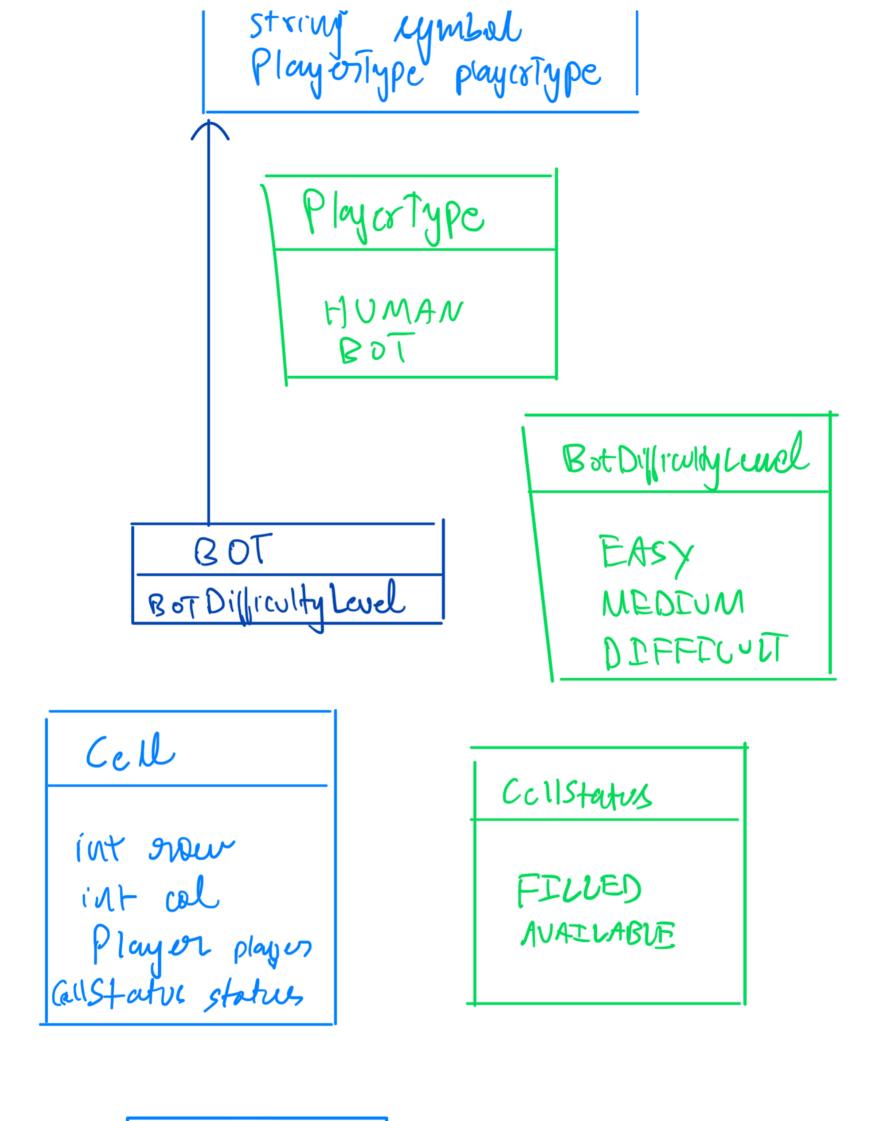
DRAW

Board

int size List Clist < Cell>>

Playor

string name



Move Playor playor Call

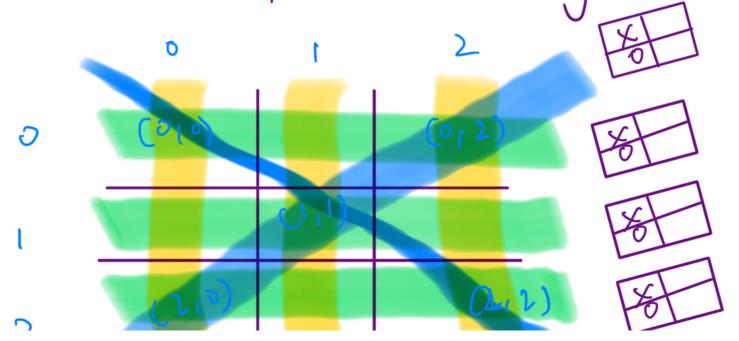
our the crame Contouler of a contouler, about the Crame Chase at a contouler, about the Crame class at well.

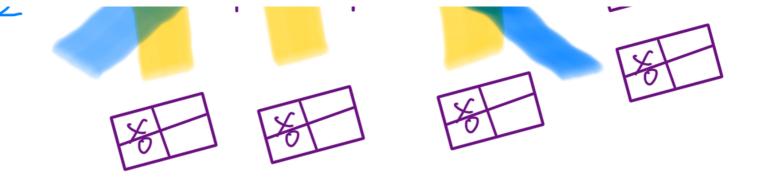
Rut, when we want to make a move, then, it elimit be moved with it or or a controller, which is a controller hose.

Ry default, when the cell is intralised, we are making knone that the cellstates is

No, we create a new Cell, 08, 10 We not create a new cell,

For checking the winner, we can use the stooley dosign pottern because, there can be multiple ways in which a player can win like now ford, column trio, or even a diagonal to io.





We can mountain a hostimap for each grow and column which can find the winner in D(1)

Since we call this often every move, we can also update this hashmap than.

ALCO, we don't need to worry about multiple object creations, we can just restorict only one object creation each for the strategy for a Grame.