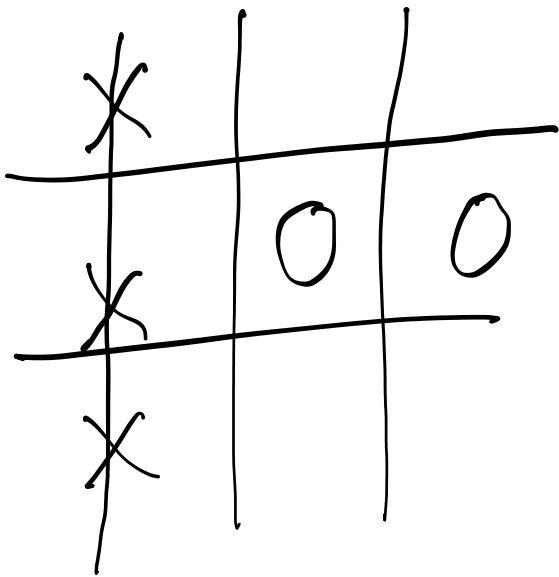


# Tic Tac Toe

Friday, 20 September 2024

11:34 AM

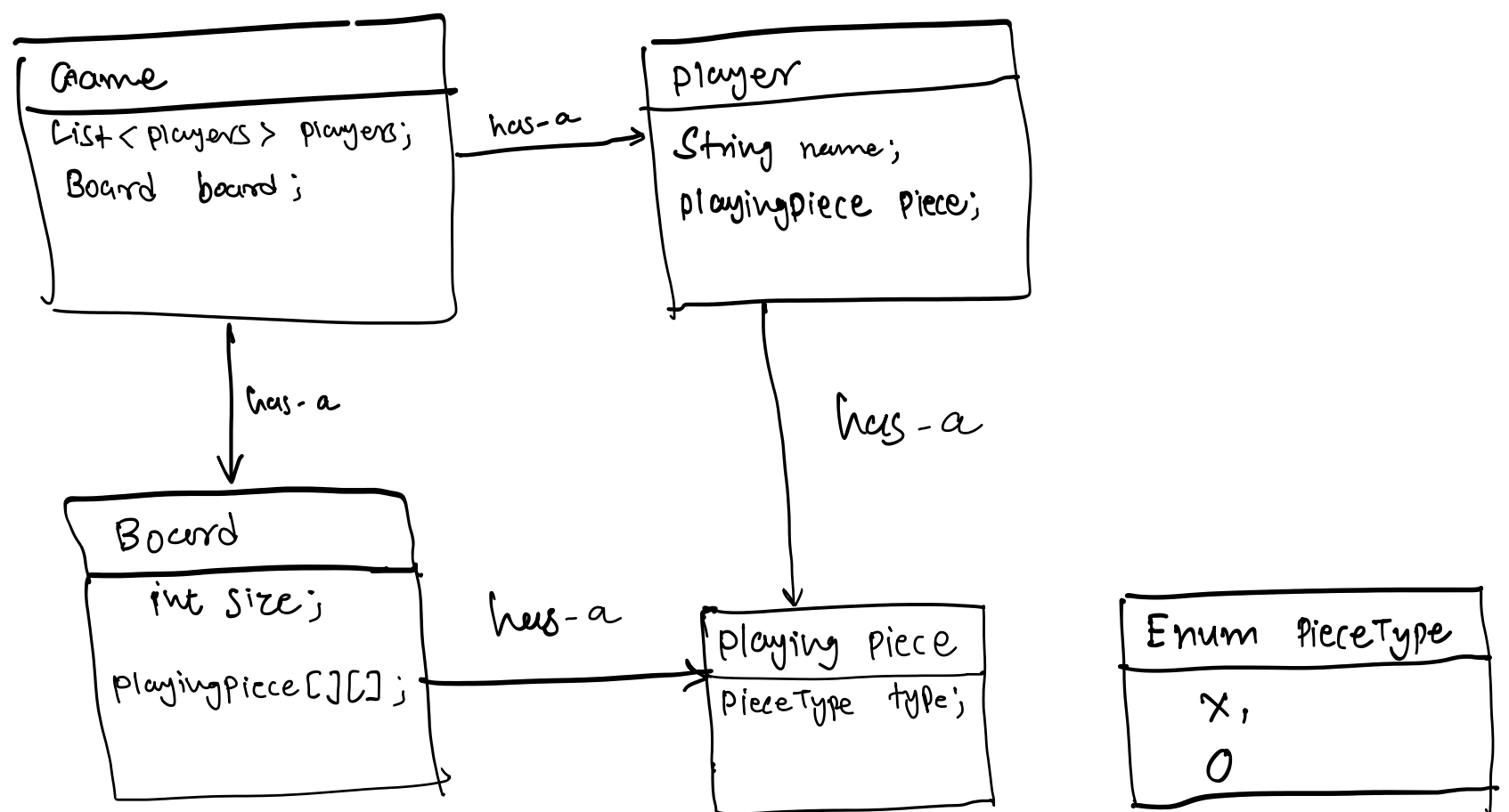


## Requirement:

- piece (X, O, Δ, □...) can be extended to more pieces
- player (P<sub>1</sub>, P<sub>2</sub>...P<sub>n</sub>) can have multiple players in case of more than 2 pieces
- Board

↓  
could be of type (n×n)

- We are trying to make code extensible



→ Main class will just call Game class.

→ All the game initialization should happen in game class  
Initialization:- Add players into list (Registration of players)

- Board initialization
- Assign piece to player.

→ Game class methods:-

initialization()

Start game()

Show Result()

→ Board class method:-

print Board()

- Decide player's turn
- Ask player
- Check if it's valid move
- make that move
- Check if it's winner
- decide game over or not
- If not put back player

draw condition:  
If all the cells are full then draw