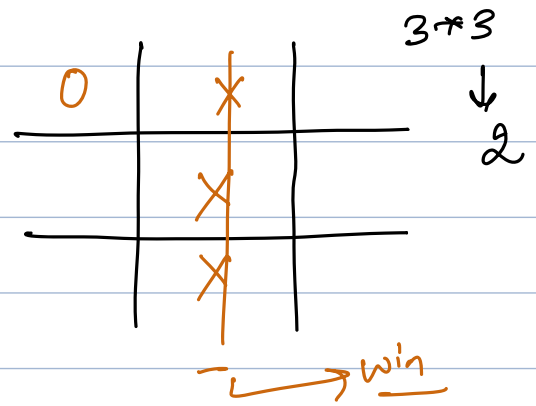
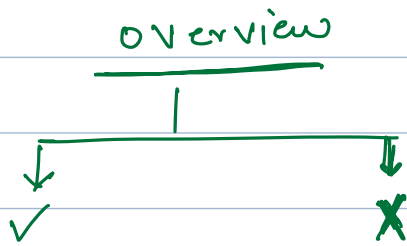
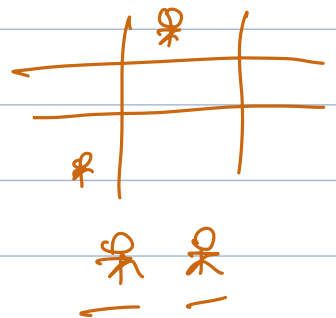


Design TicTacToe



- Real word Code — software system
- persist X
- Hardcode / command line.

Req gathering



① size of board — $n \times n$

② # of players = $n-1$

③ Each player select their own symbol

↓
if can 2 players have the same symbol?
↓
validations

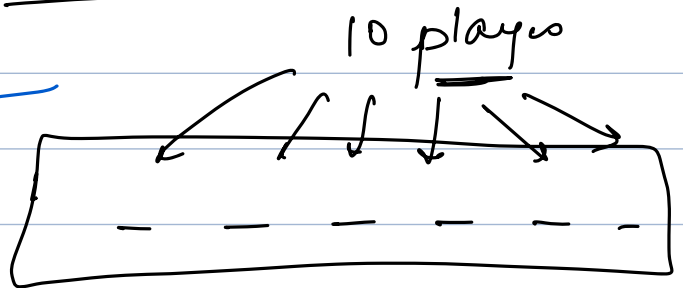
8-10

④ Will we have Bots? \Rightarrow Yes

①

⑤ Can my Bot have difficulty level? } Strategy design

⑥ Who will make the first move?
 \downarrow
Random



⑦ How is winner decided?

extensible/flexible

① All the col^m of a particular row have same symbol

② All the rows

③ All the diagonal

④ corners

⑧ Game can end \rightarrow draw
win

⑨ Undo

- Replay
- Leaderboard
- Tournament
- Timer
- Pause/Resume/Reset
- Some cells are blocked
- Exit
- autoplay