```
maze
array of rows of cells
each cell has position struct (int x, y) and type (char)
dim_x and dim_y for dimensions of maze
client
-timer regulating how often player can make a move
-client timer starts once the client makes a move request to the server
client loop:
  makeRequest()
  timer()
  acceptPrompt()
makeRequest:
  -test if player is free
  -test if new square is not a wall
  -if both conditions are met, send the request to the server
server
-timer regulating how often updates are broadcast
server loop:
  sendUpdate()
  timer()
```

server loop: acceptRequest() sendConfirmation() updateState()

acceptRequest:

- -trusts that square is not a wall (so don't recheck)
- -still have to check if player is in jail
- -if jail, send reject to client
- -otherwise, confirm move

updateState:

- -update all new player and game states based on the new move
- -possible updates are those listed in the player actions in specification
- -test if game has met a win condition

sendUpdate:

sends an array with all player states + attributes and whether the game is won or tie