CLIENT JOINING A GAME

This sequence diagram starts off with the client connecting to the server, the server asks the player to choose between single player and multiplayer mode.

In the former, the player is asked to choose a valid nickname, then the game can begin.

In the latter, we have two different options:

- Creating a match: the player chooses a nickname and the game settings, then the lobby is created and the server waits for other players to join.
- Joining an existing match: the player provides an existing match ID. The server then
 checks if there is an empty space in the lobby, if so, the player chooses the nickname
 and joins the match and when the lobby is completely filled, the server starts the
 game. Otherwise, the player can't join the lobby.

The nickname is checked automatically by the server:

- In a single player match, the nickname must be valid (no empty nicknames).
- In a multiplayer match, the nickname must be both valid (no empty nicknames) and not already taken by another player in the same lobby.



