Ciencia de la Computación

Redes y Comunicación

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Protocolo TicTacToe

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"El alumno declara haber realizado el presente trabajo de acuerdo a las normas de la Universidad Católica San Pablo"

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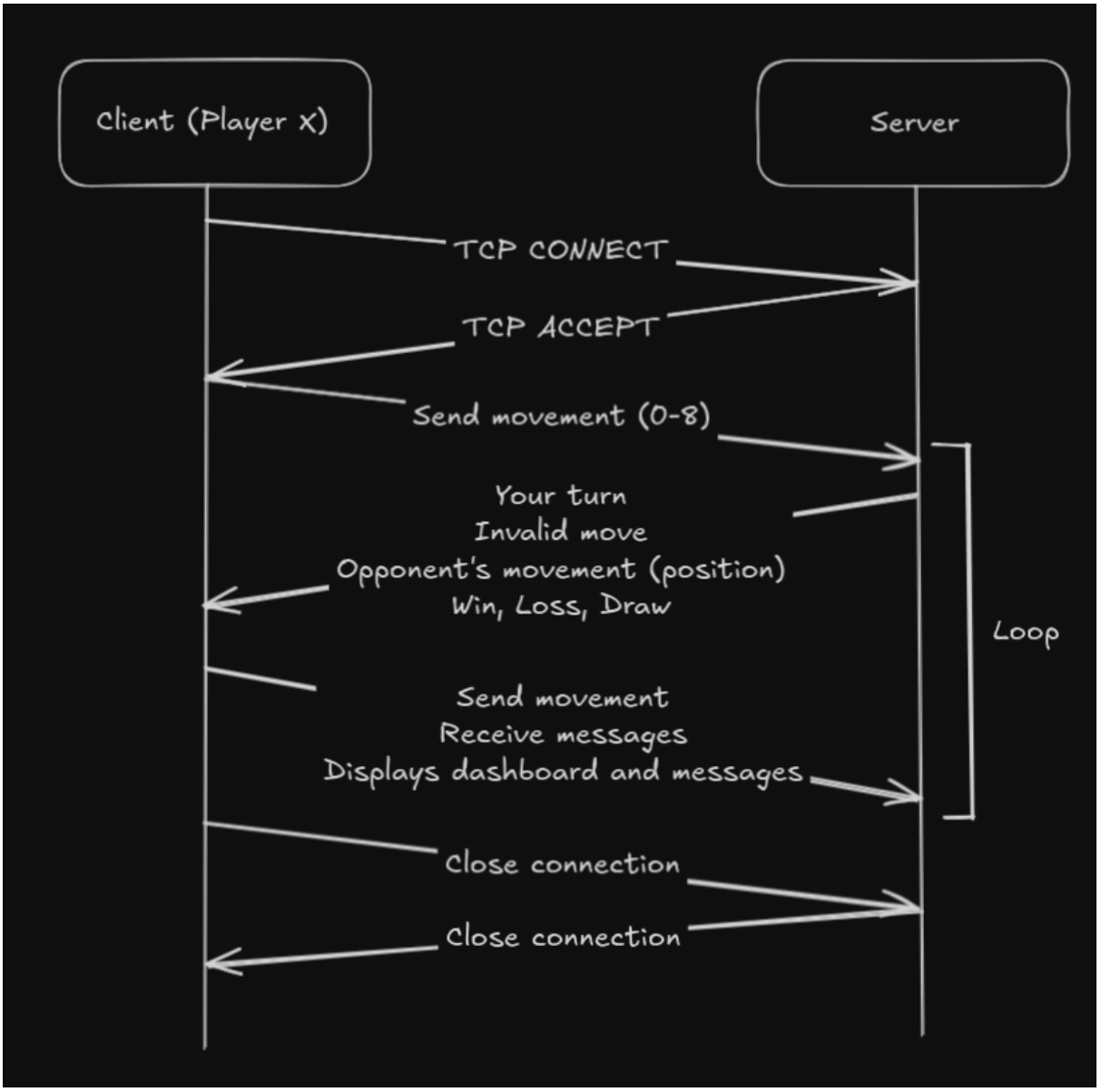
Protocolo Tic Tac Toe

Chart to understand how the Tic Tac Toe protocol works.



How the Protocol Works (in terms of data flow):

1. The **Client** initiates the conversation by sending a TCP connection request to the **Server**.
2. The **Server** accepts the connection.
3. The **Server** sends initial messages to the **Client** (welcome, start of the game).
4. When it is the Client's turn, the **Server** prompts the Client.
5. The **Client** responds by sending its **move** as a text string.
6. The **Server** processes the move, updates the game and replies to the **Client** with the result (invalid move, opponent's move, end of game, or indicating its turn).
7. This exchange of messages (turn -> move -> reply) continues until the game ends.
8. Finally, the TCP connection is closed by either party.