WebSockets

Coding Blocks - Kartik Mathur

WebSockets

Class Agenda

01 WebSockets

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WebSockets

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- The WebSocket API makes it possible to open a two-way interactive communication session between the user's browser and a server. With this API, you can send messages to a server and receive responses without having to poll the server for a reply.

1. They are persistent- THEY REMAIN
2. It is faster than HTTP request not removing handshake.
3. In HTTP we need to send request again and then receive it.
4. Client and Server can both send data without handshake - FULL DUPLEX communication.
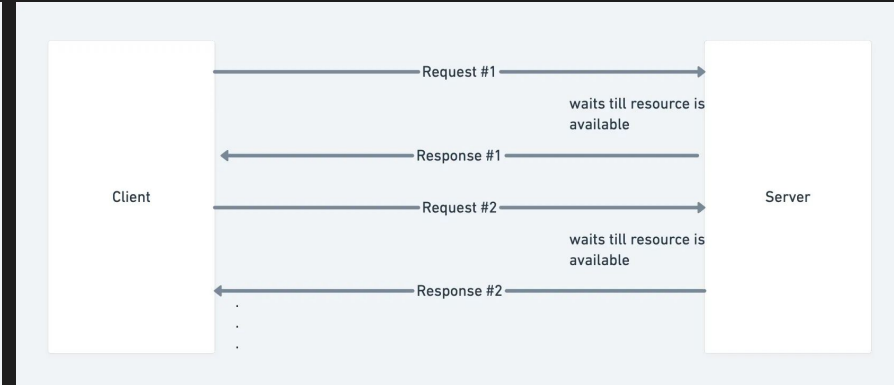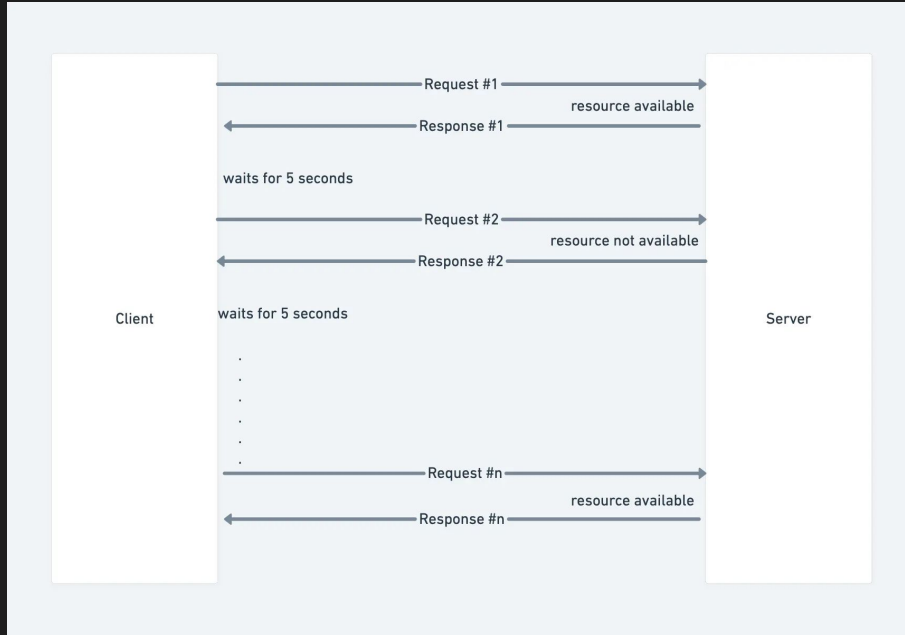5. It takes place on TCP connection - Read About OSI layers (Important for interview)

What are websockets?

We use WebSocket Server for **R**eal **T**ime **C**ommunication.

1. Stock/Cricket-Score/Chat/Gaming are some cases where we need it.
2. Building Google Meet/Zoom.
3. Figma/Canva/Ex-Calidraw can be built using this.

Why and What is RTC?

HTTP Polling/Long-Polling works too?

https://ide.codingblocks.com/
Also uses polling only.

Only Websockets can do this Duplex?

Installing WS to use WebSockets.

1. npm init -y
2. npm i ws

You can use express and ws together as well, that is the beauty of it.