20304신유민

실시간 채팅

목차

1.실시간 데이터 통신 방식

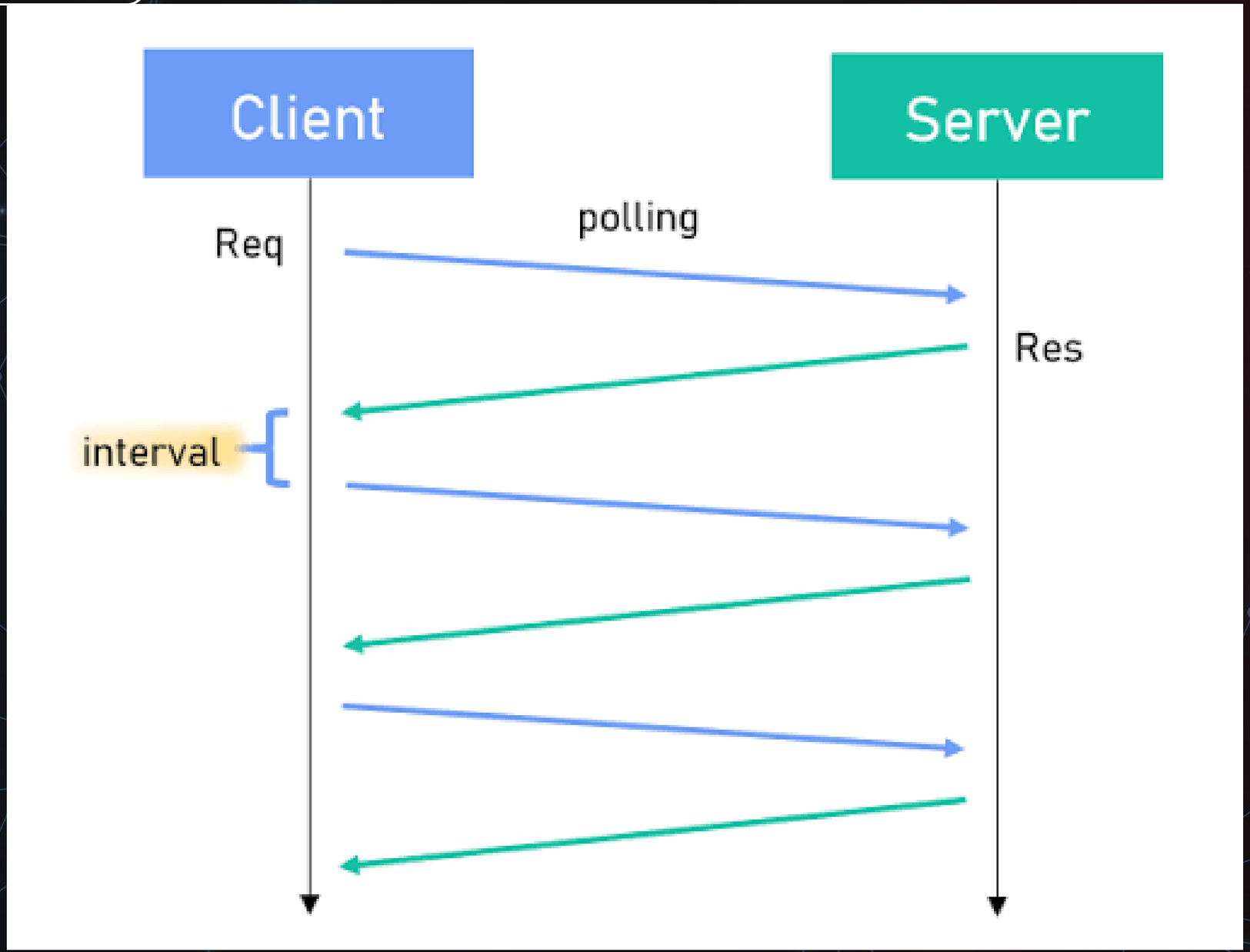
2.사용 기술

3.시연

실시간 통신 기술의 발전

Polling → Long Polling → SSE → WebSocket

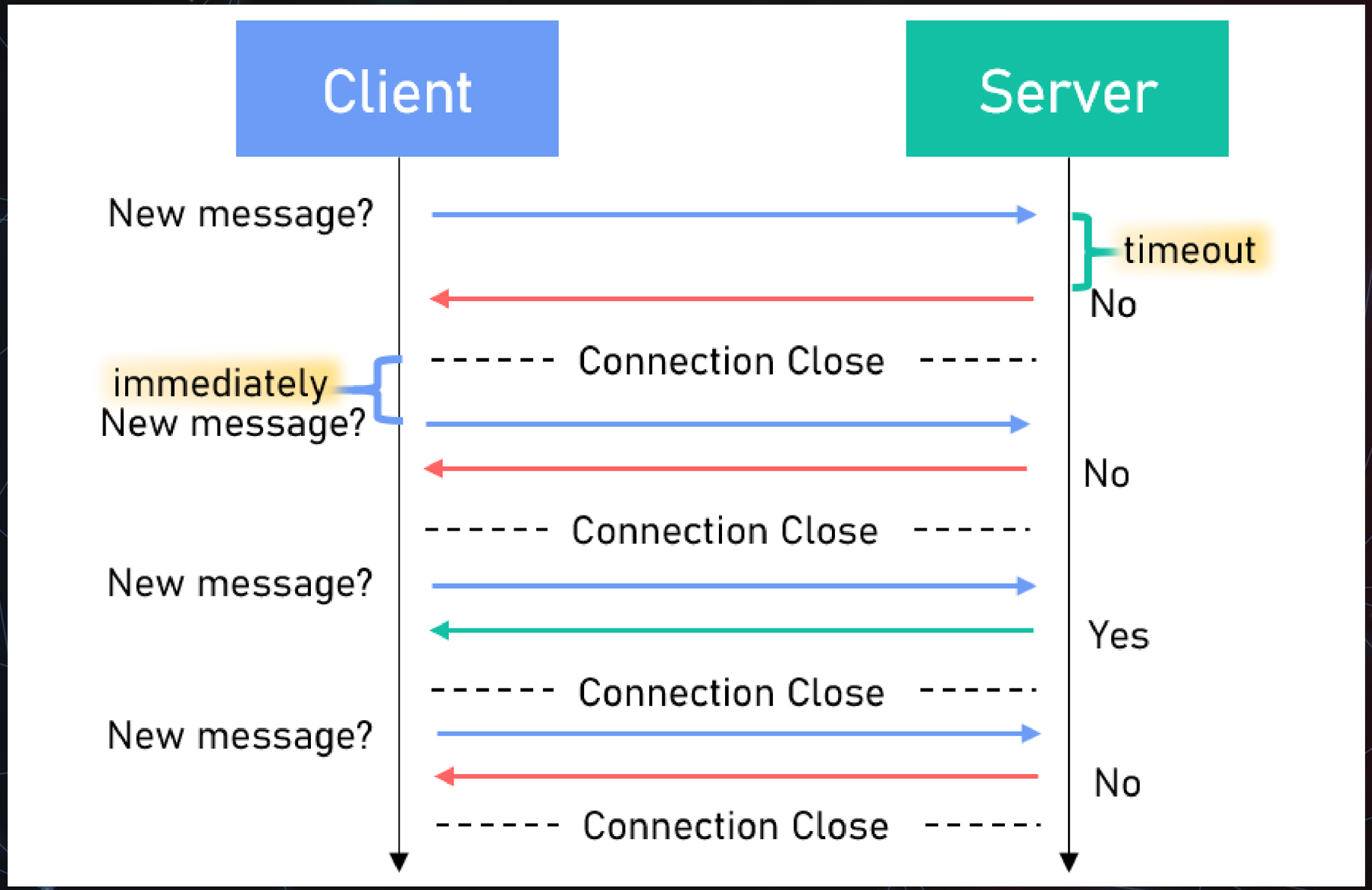
Polling



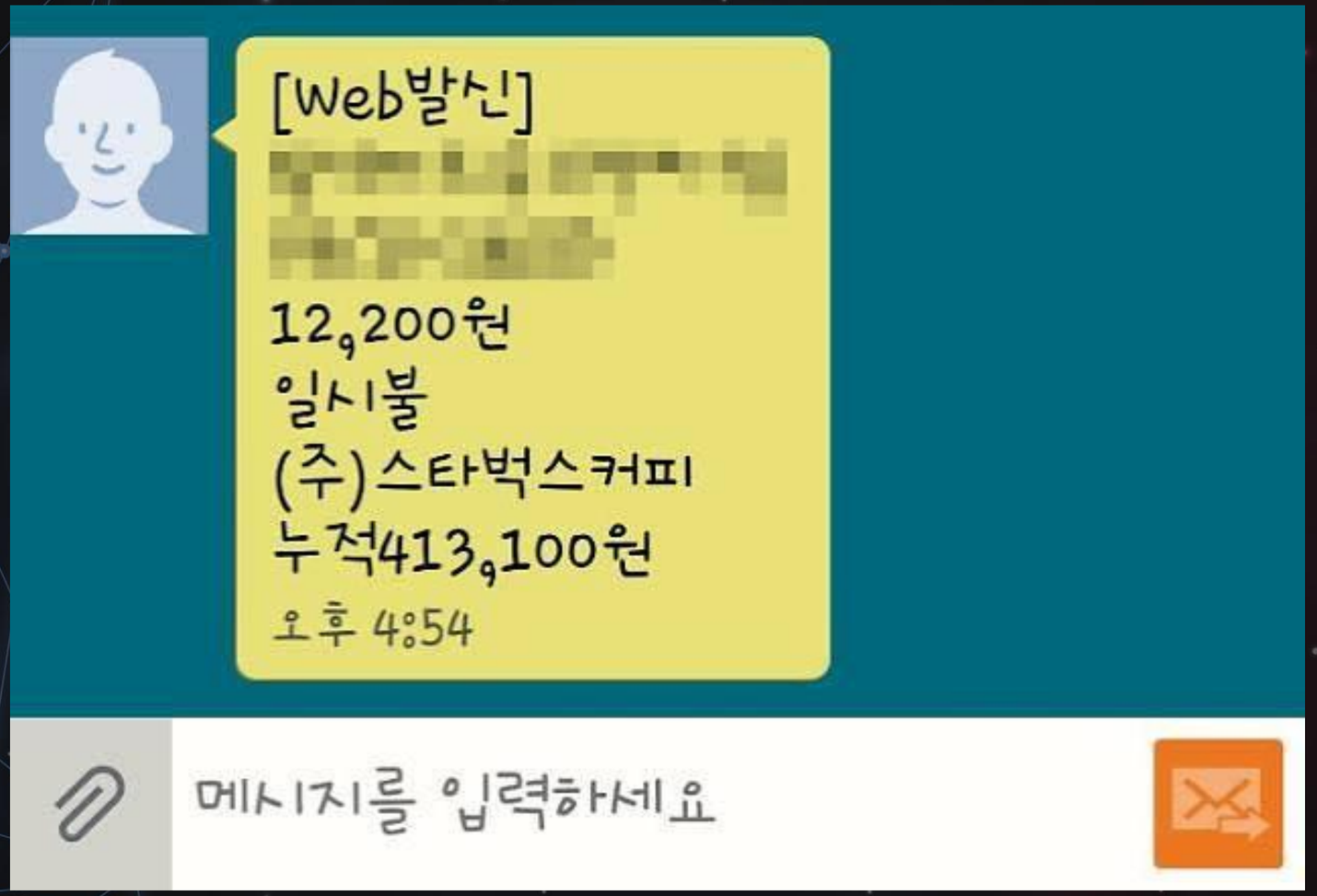
Polling



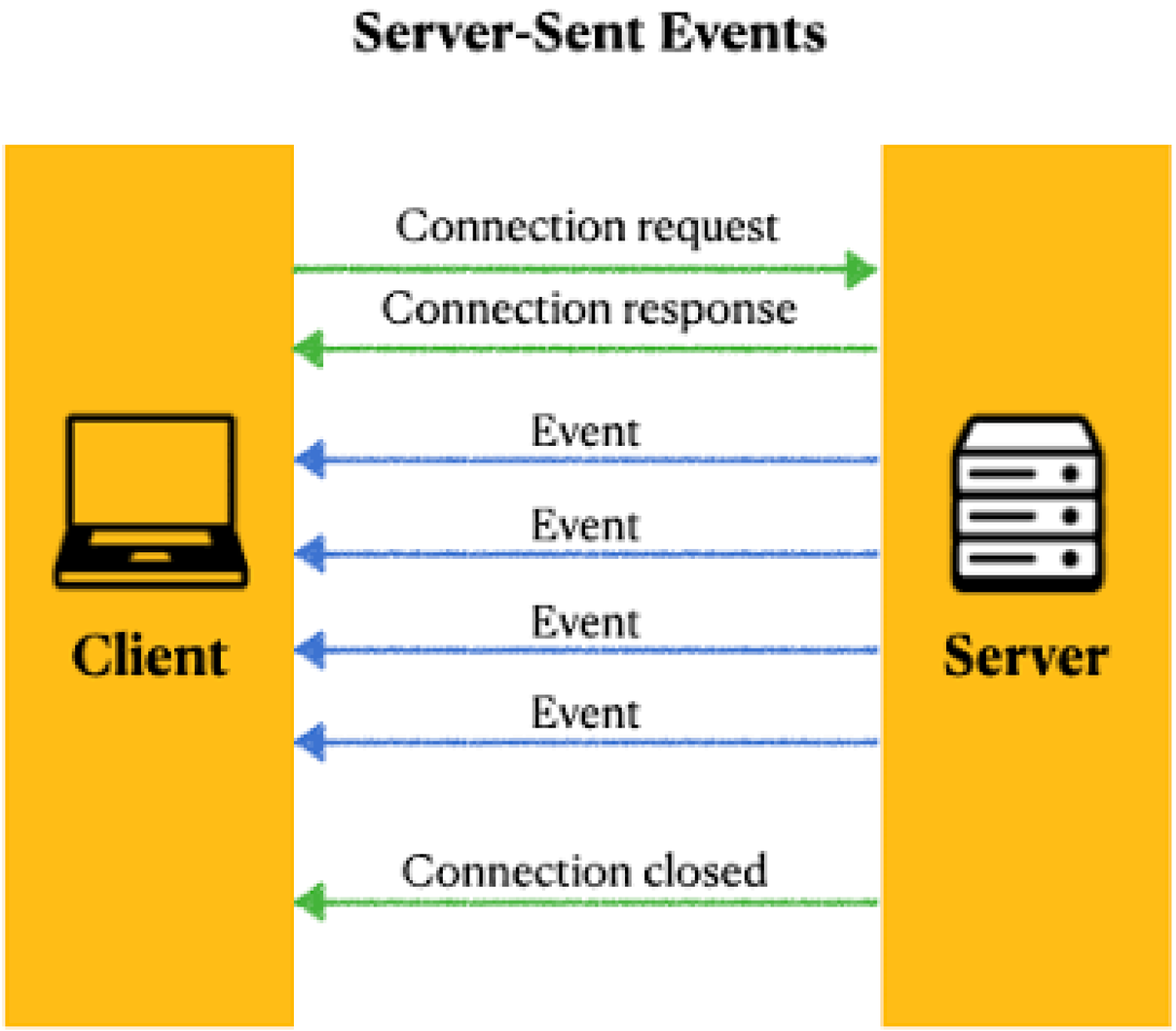
Long Polling



Long Polling



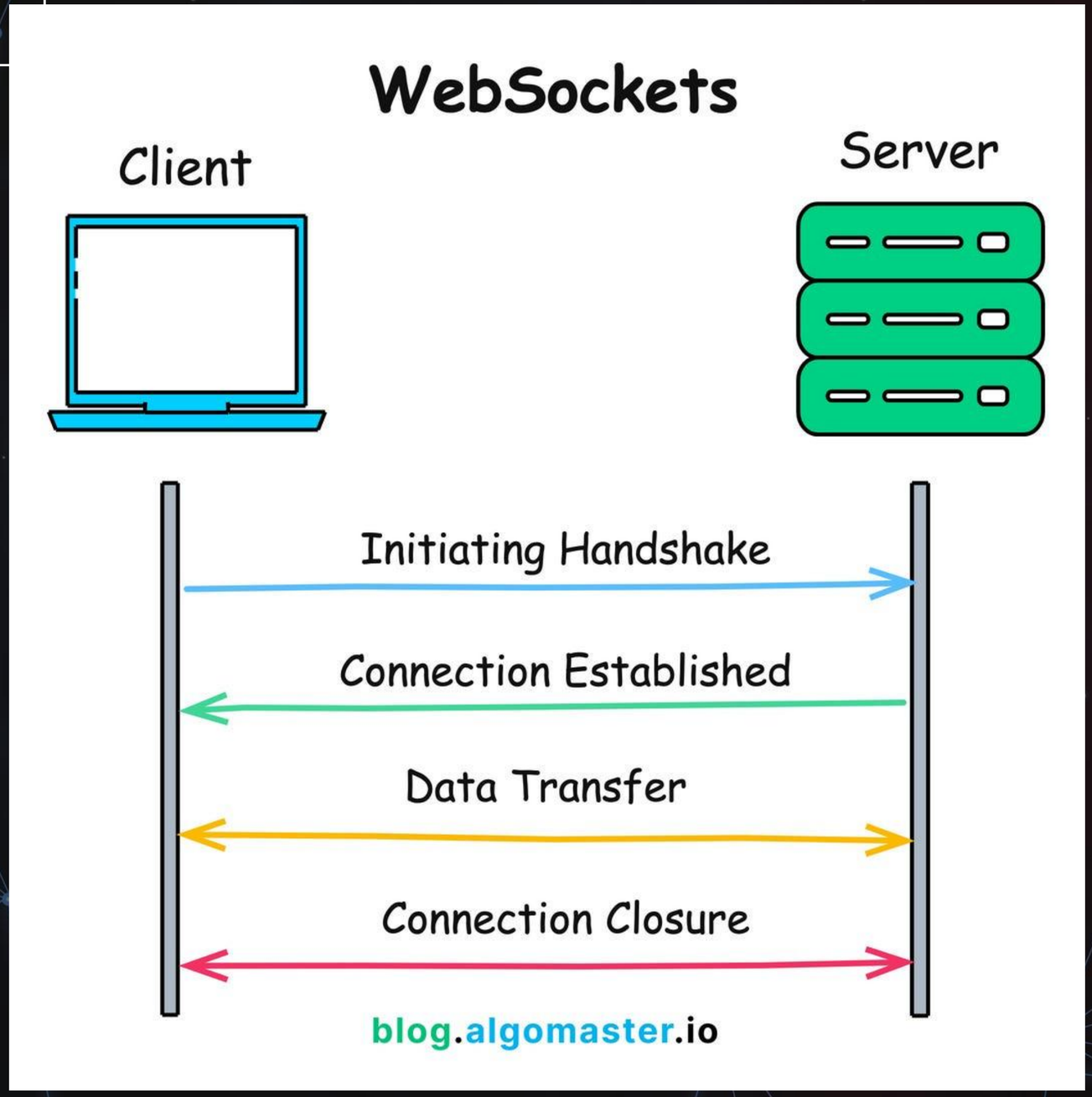
SSE


Server-Sent Events
Client
Server
Connection request
Connection response
Event
Event
Event
Event
Connection closed

SSE



WebSocket


WebSockets
Client
Server
Initiating Handshake
Connection Established
Data Transfer
Connection Closure
blog.algomaster.io

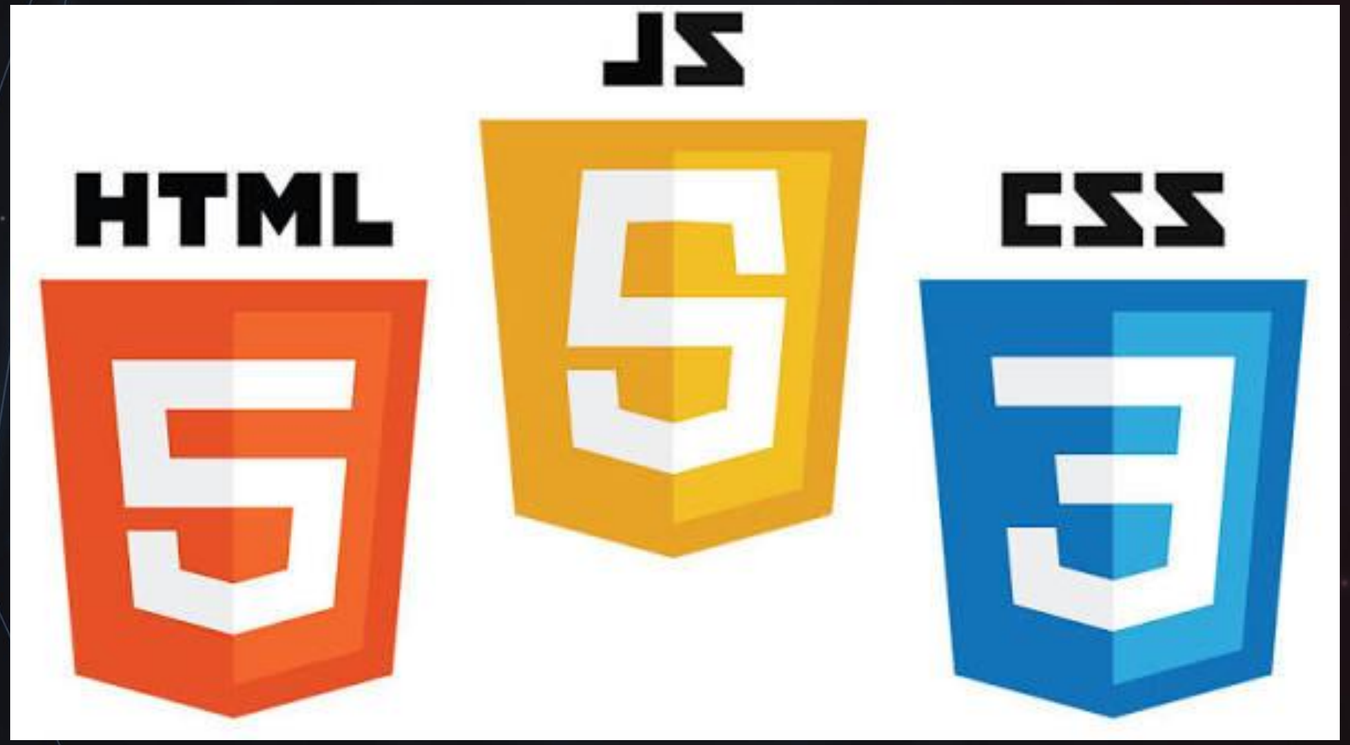
WebSocket







사용기술



사용기술



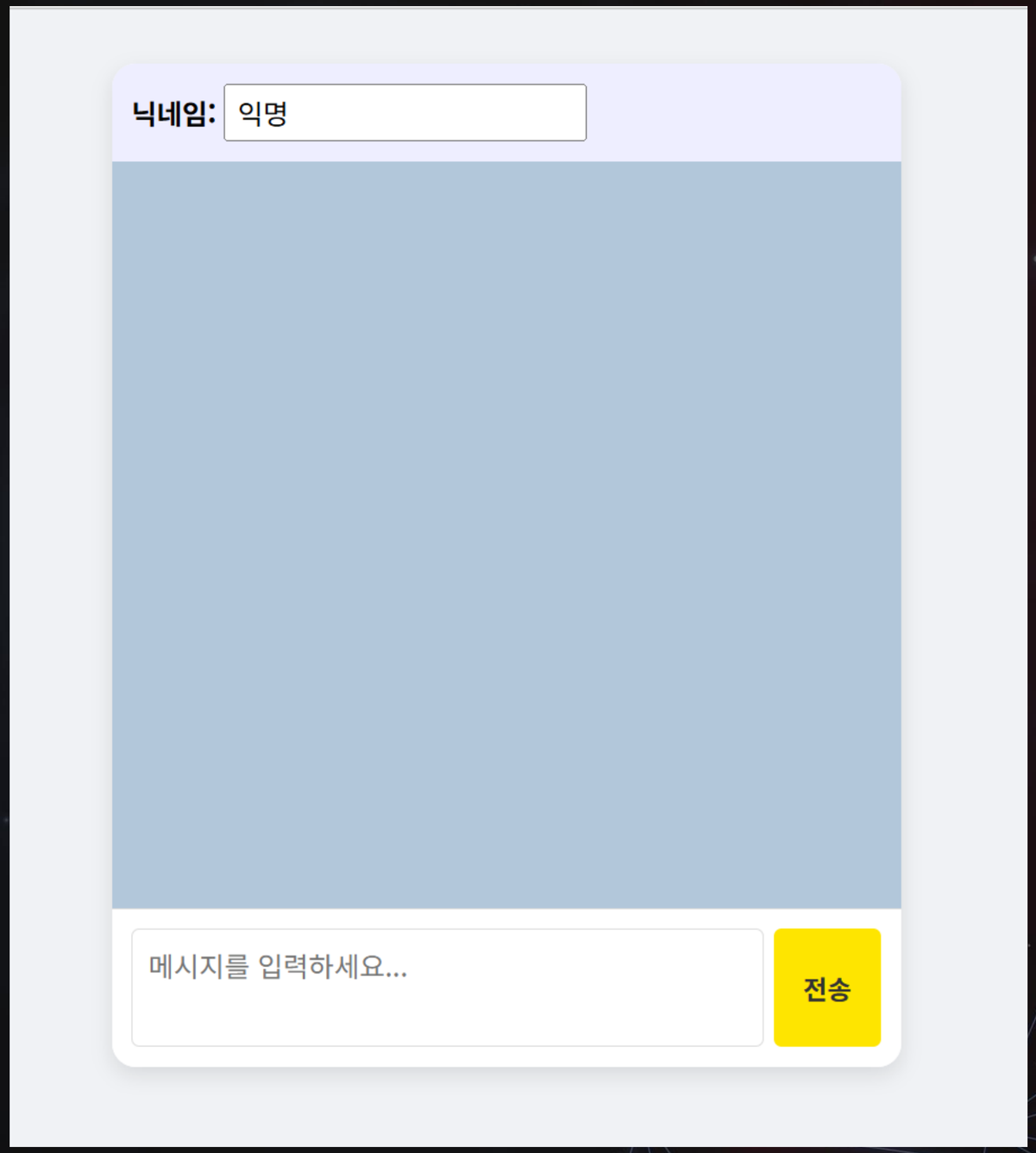
서버를 켜고(실행), 사용자가 인터넷으로 보낸 요청을 받아서 처리하는 것

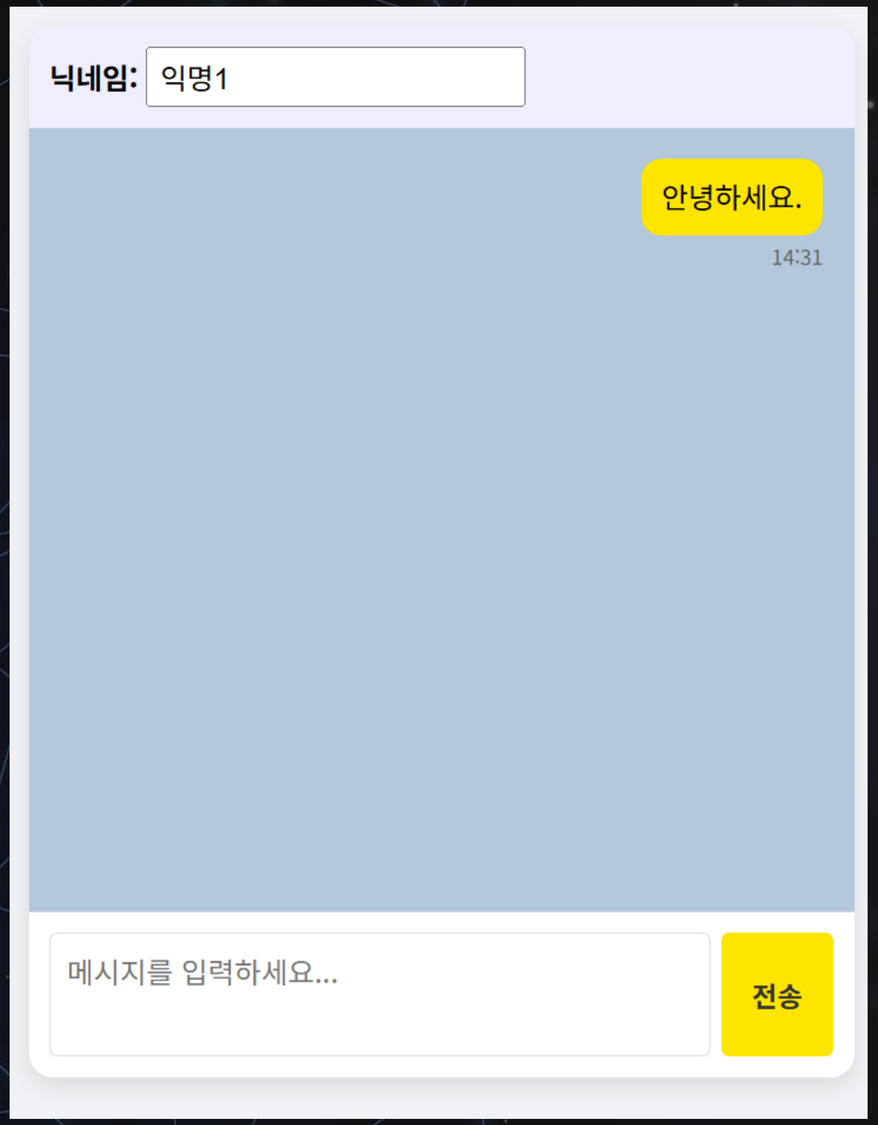
사용기술

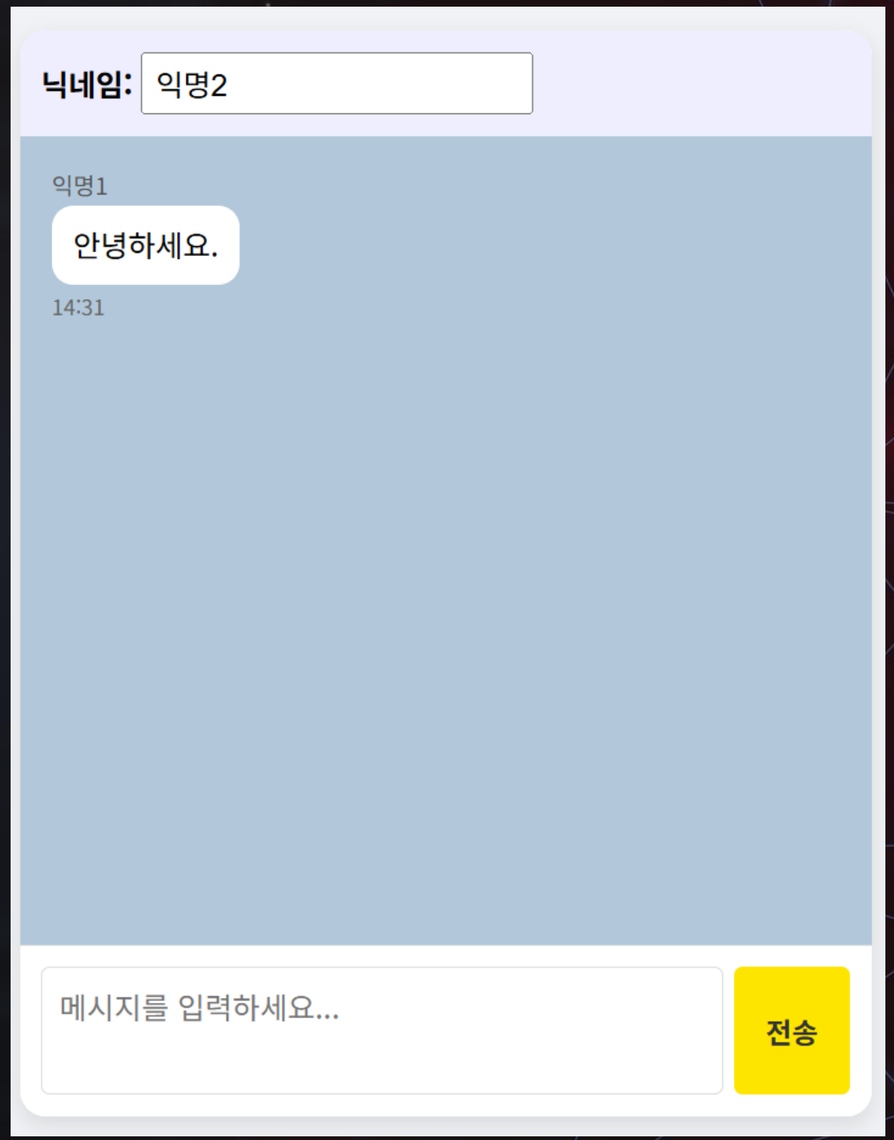


서버와 사용자 사이의 실시간 데이터 전달

시연




닉네임:
익명1
안녕하세요.
14:31
메시지를 입력하세요...
전송


닉네임:
익명2
익명1
안녕하세요.
14:31
메시지를 입력하세요...
전송

닉네임: 익명2

익명1

안녕하세요.

14:31

아아아

전송

```
C:\Users\LG\ch-app>node server.js
서버 실행 중: http://localhost:3000
사용자 접속: MXT7ZGNw8SHAoEr3AAAA
받은 메시지: { name: '익명', text: 'dd' }
받은 메시지: { name: '익명', text: 'd' }
사용자 퇴장: MXT7ZGNw8SHAoEr3AAAA
사용자 접속: Vm9jA60_DCpIg97-AAAB
사용자 접속: ftkHqMC4wEKs9IY5AAAC
받은 메시지: { name: '익명1', text: '안녕하세요.' }
받은 메시지: { name: '익명2', text: '아아아' }
받은 메시지: { name: '익명2', text: '아ㅏㅇ\nㅏ아앙' }
사용자 퇴장: Vm9jA60_DCpIg97-AAAB
사용자 퇴장: ftkHqMC4wEKs9IY5AAAC
```

THANK YOU