SignalR - Real Time Communication For The Web

by Johannes

Overview

- Introduction to real-time communication
- What is SignalR?
- Key features of SignalR
- Underlying technologies and protocols
- SignalR architecture
- Use cases
- Demo

Introduction to real-time communication

- immediate updates
- live data
- interactive user experience

What is SignalR?

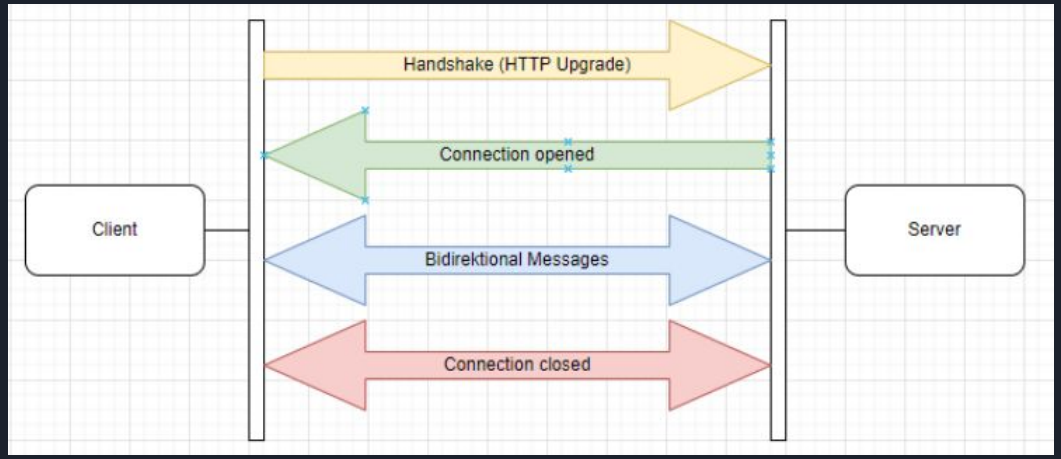
- framework for building realtime web applications
- simplifies implementation of real-time functionality
- enables scalability, load balancing, user handling and much more

Key features of SignalR

- enables real-time updates and communication between clients and servers
- bi-directional communication
- Scalability
- Cross-platform support

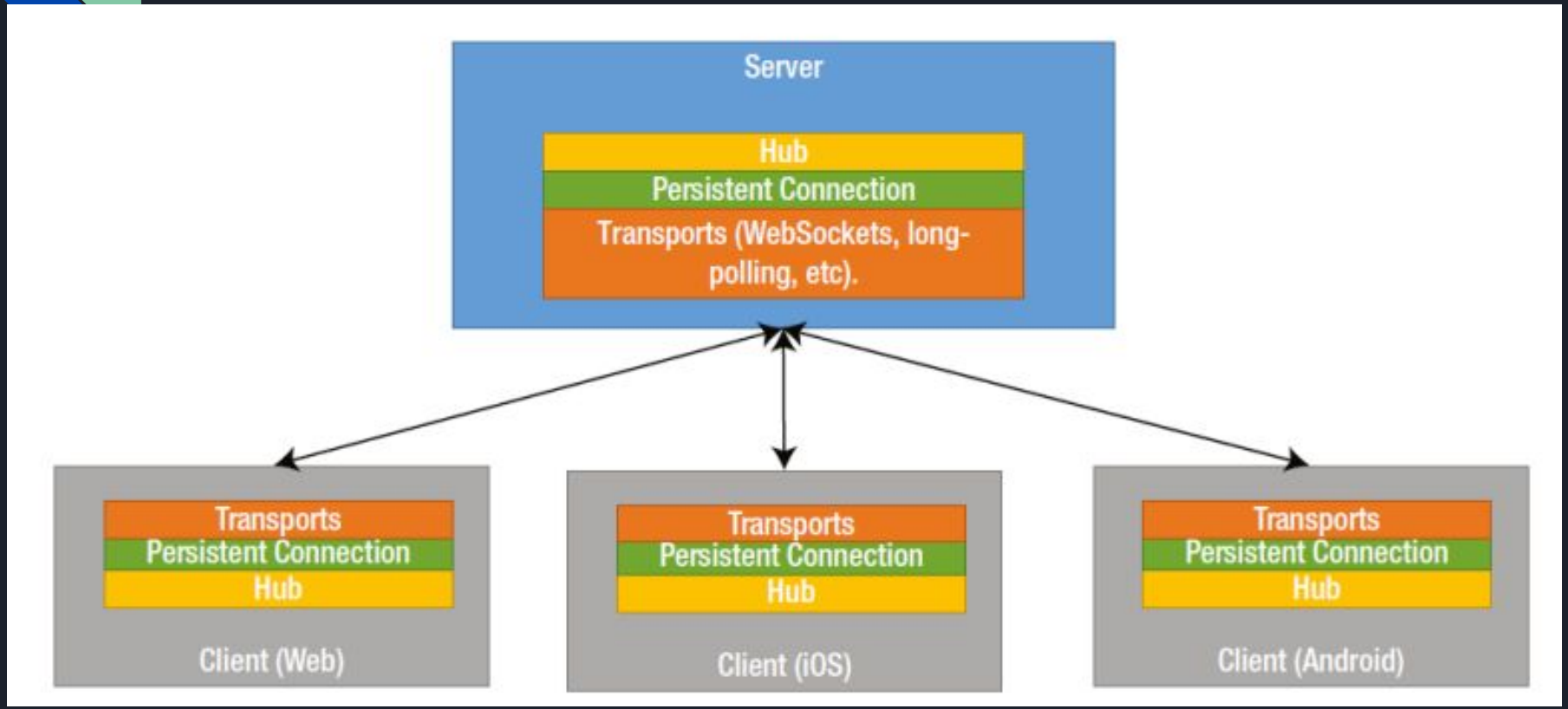
Underlying technologies and protocols

- WebSocket for full duplex communication



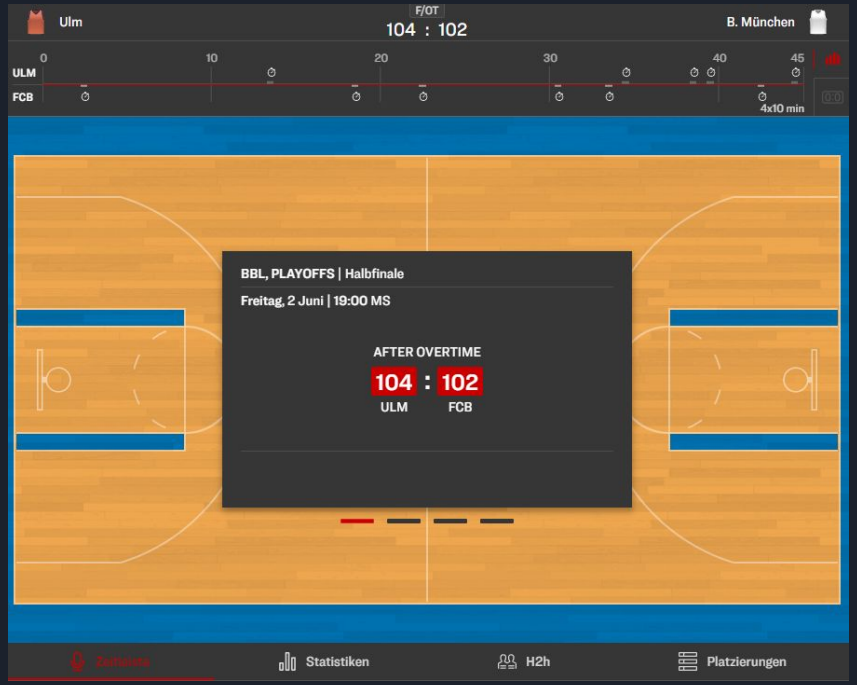
- fallback to Long Polling, Server Sent Events, Forever Frame

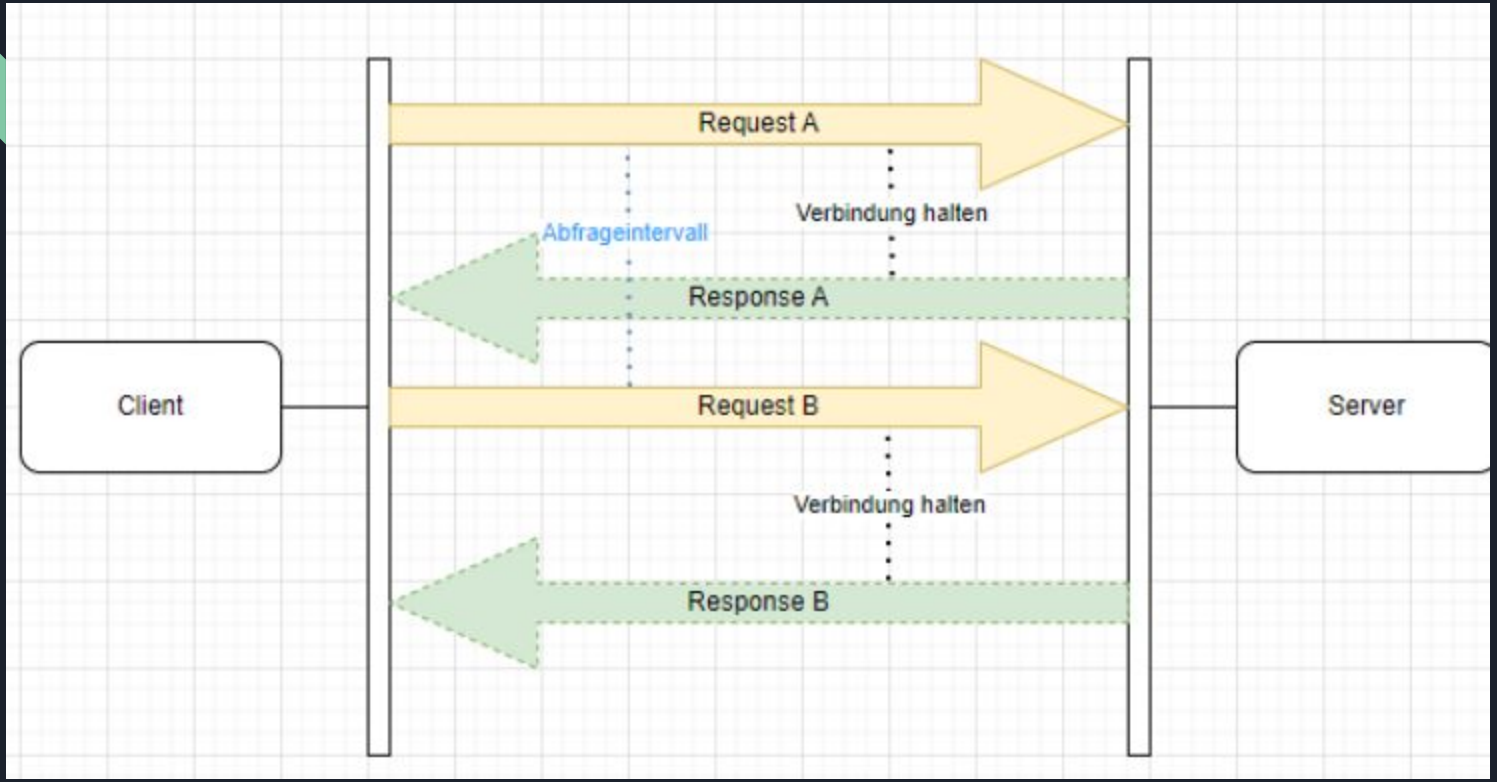
SignalR architecture

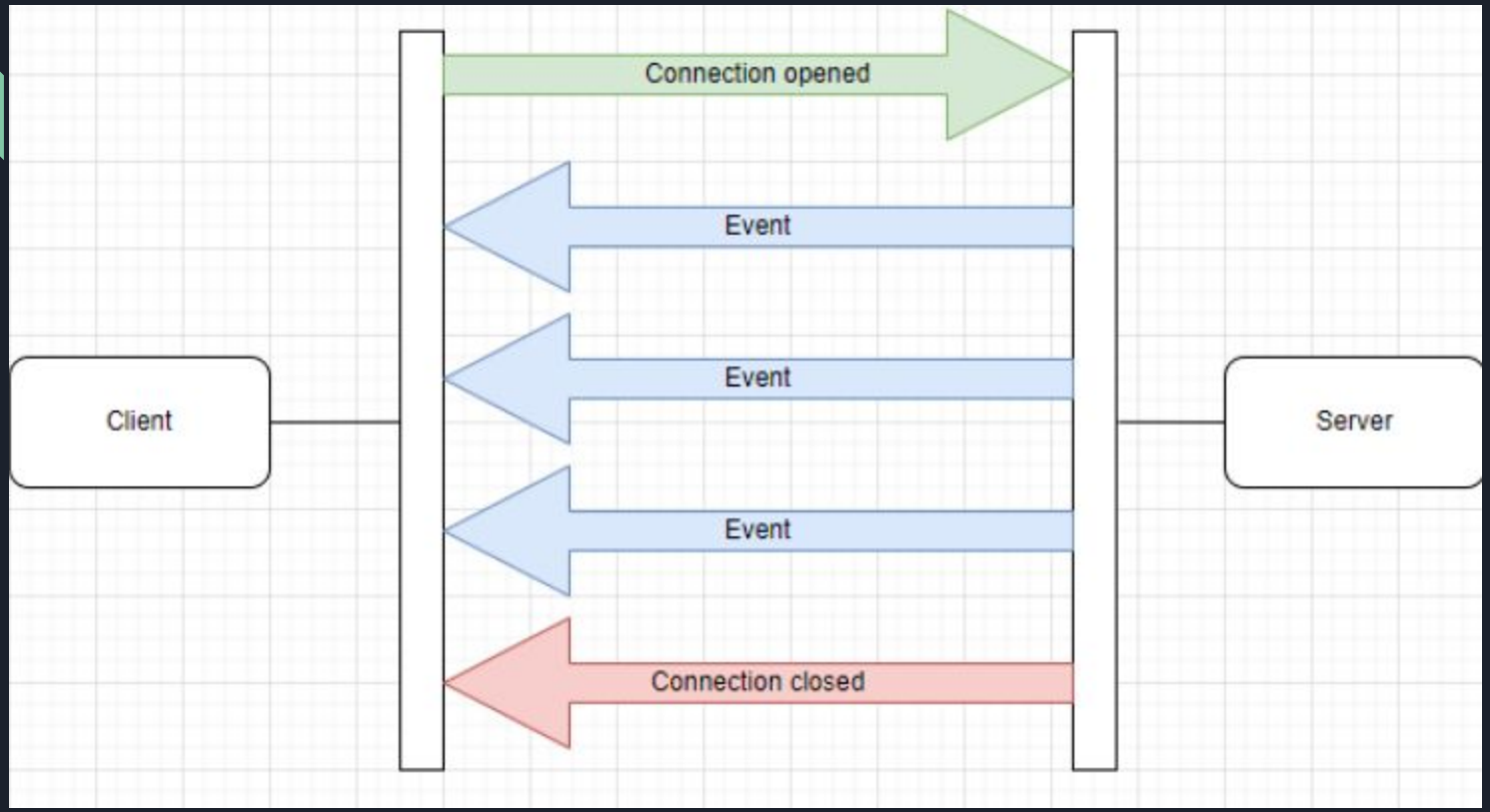


Use Case

- live ticker
- chats
- notifications
- gaming




Request A
Verbindung halten
Abfrageintervall
Response A
Client
Request B
Server
Verbindung halten
Response B


Connection opened
Event
Event
Event
Connection closed
Client
Server

Demo/Tasks

Thanks for your attention