

SignalR



Neden SignalR?

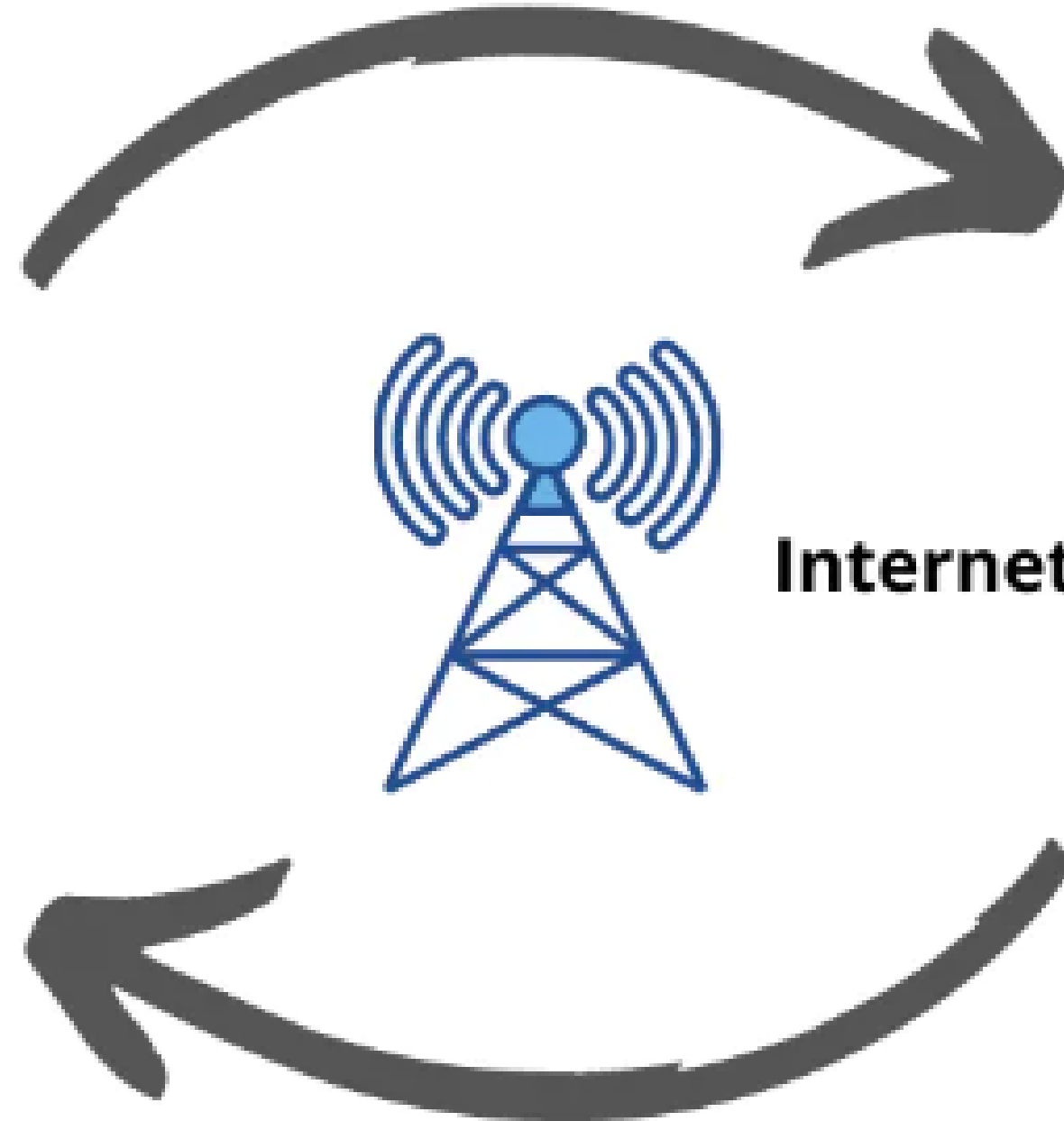
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Path/URI + Verb/Method: GET / HTTP/1.1

HTTP Request



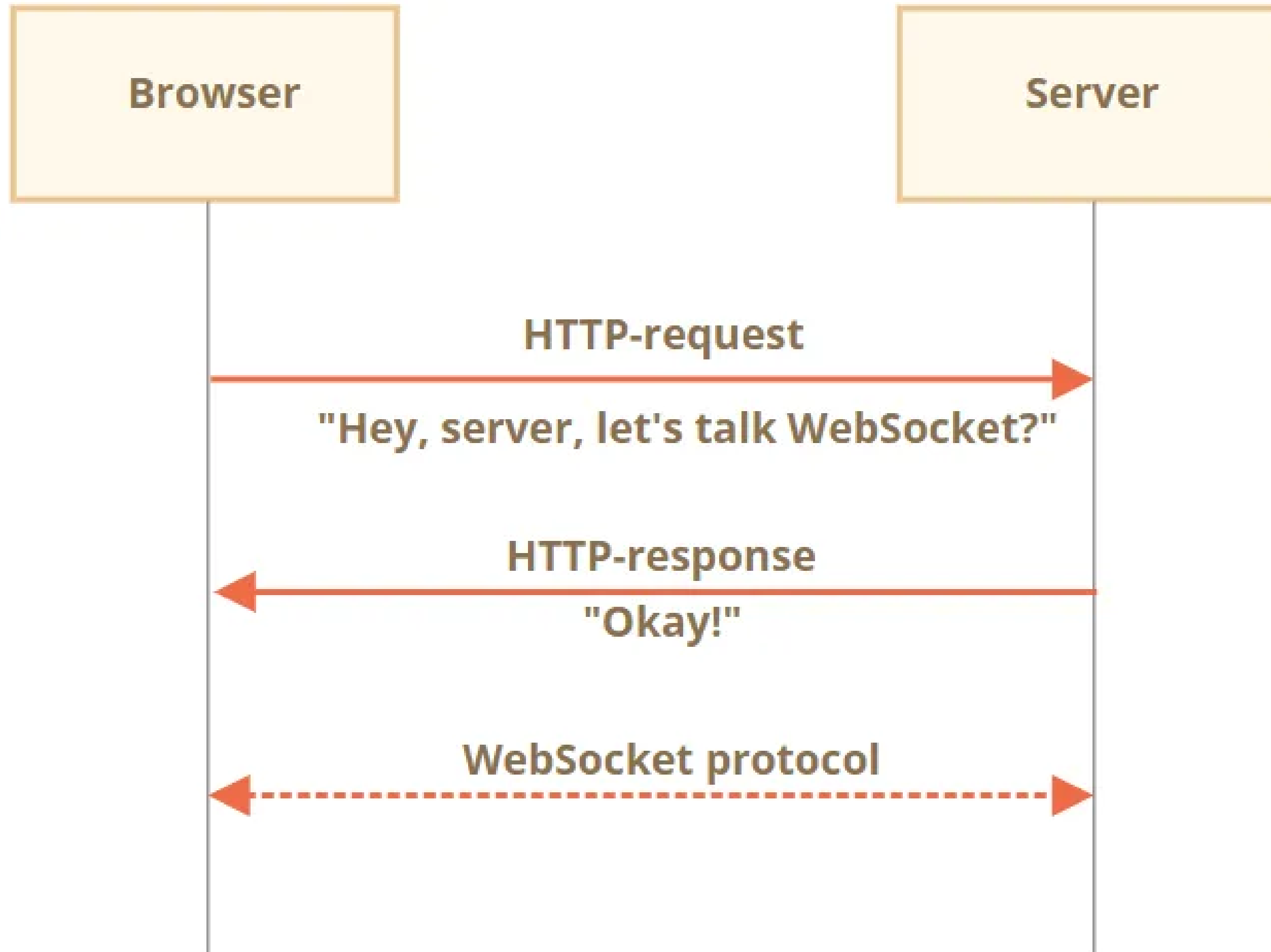
Client



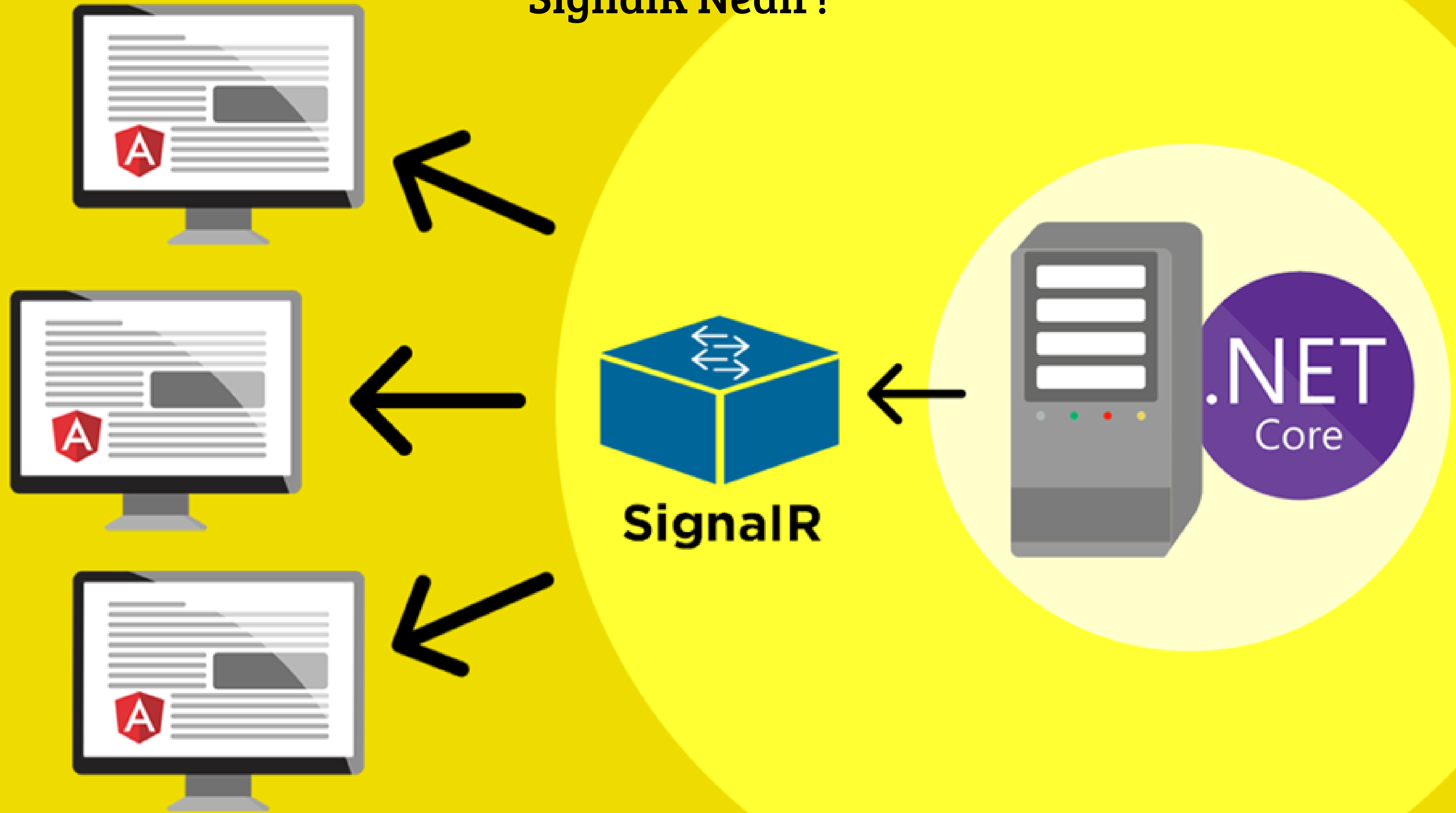
Server

HTTP Response

Status Code + Body: HTTP/1.1 200 OK

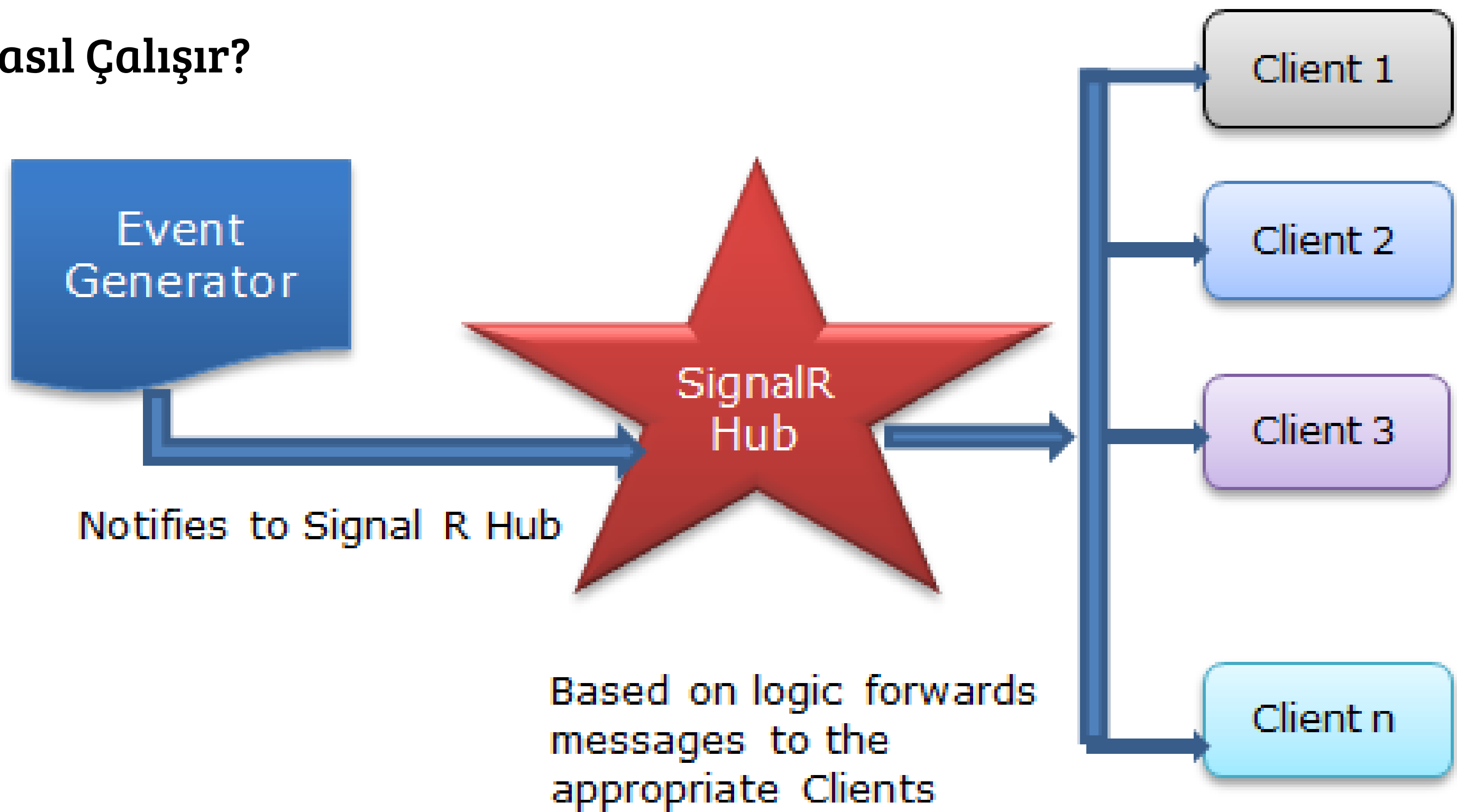


SignalR Nedir?

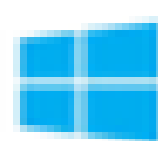


Nasıl Çalışır?

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Clients could be



```
using Microsoft.AspNetCore.SignalR; // SignalR dahili geliyor.

namespace SignalRExample.Hubs
{
    public class HubExample : Hub
    {
        public async Task SendMessageAsync(string message)
        {
            await Clients.All.SendAsync("receiveMessage", message);
        }
    }
}
```

```
builder.Services.AddCors(options => options.AddDefaultPolicy(policy =>
{
    policy.AllowAnyMethod()
        .AllowAnyHeader()
        .AllowCredentials()
        .SetIsOriginAllowed(origin => true);
}));

builder.Services.AddSignalR();

var app = builder.Build();

app.UseCors();
app.MapHub<HubExample>("/hub");
```

```
index.html

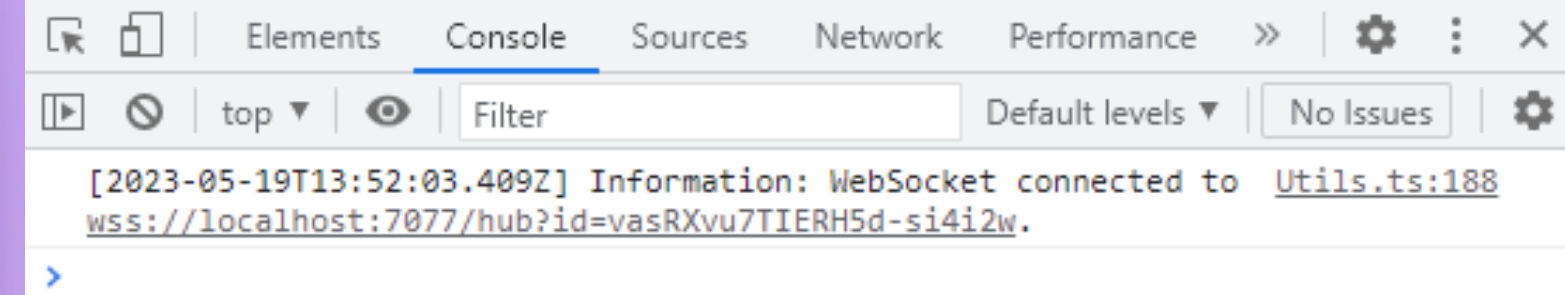
<!DOCTYPE html>
<html lang="en">
  <head>
    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <script
src="https://cdn.jsdelivr.net/npm/@microsoft/signalr@5.0.9/dist/browser/signalr.min.js">
</script>

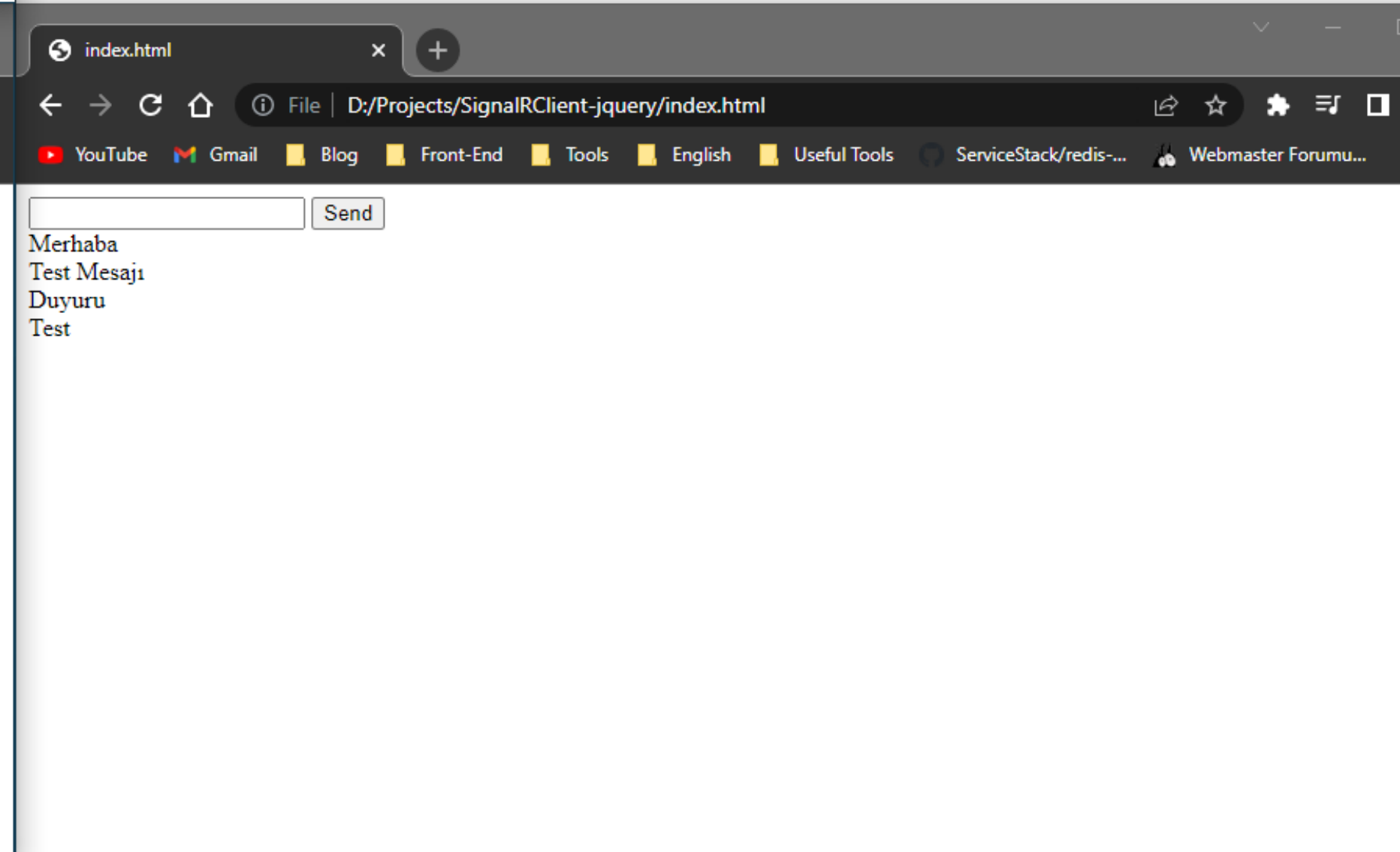
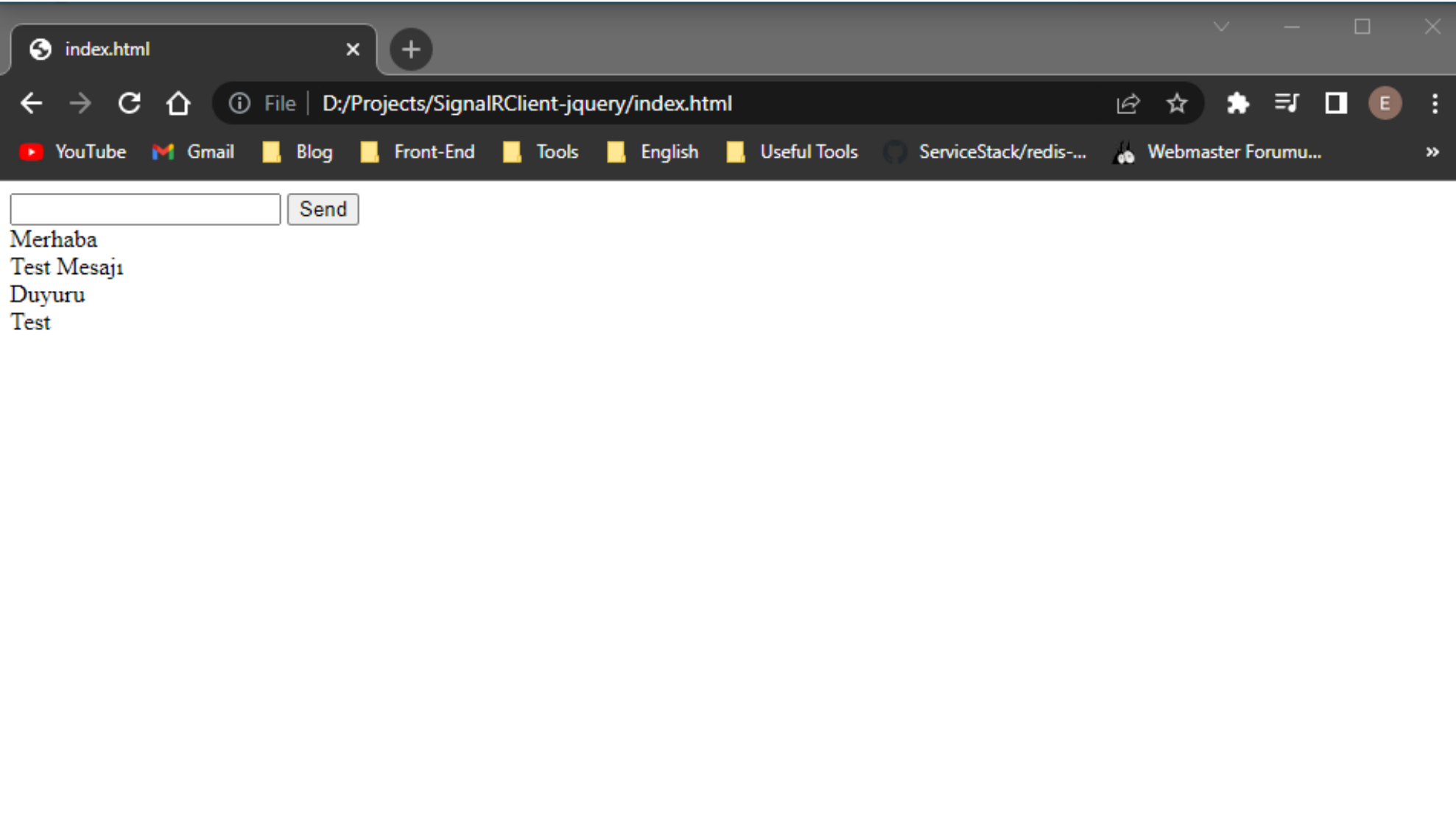
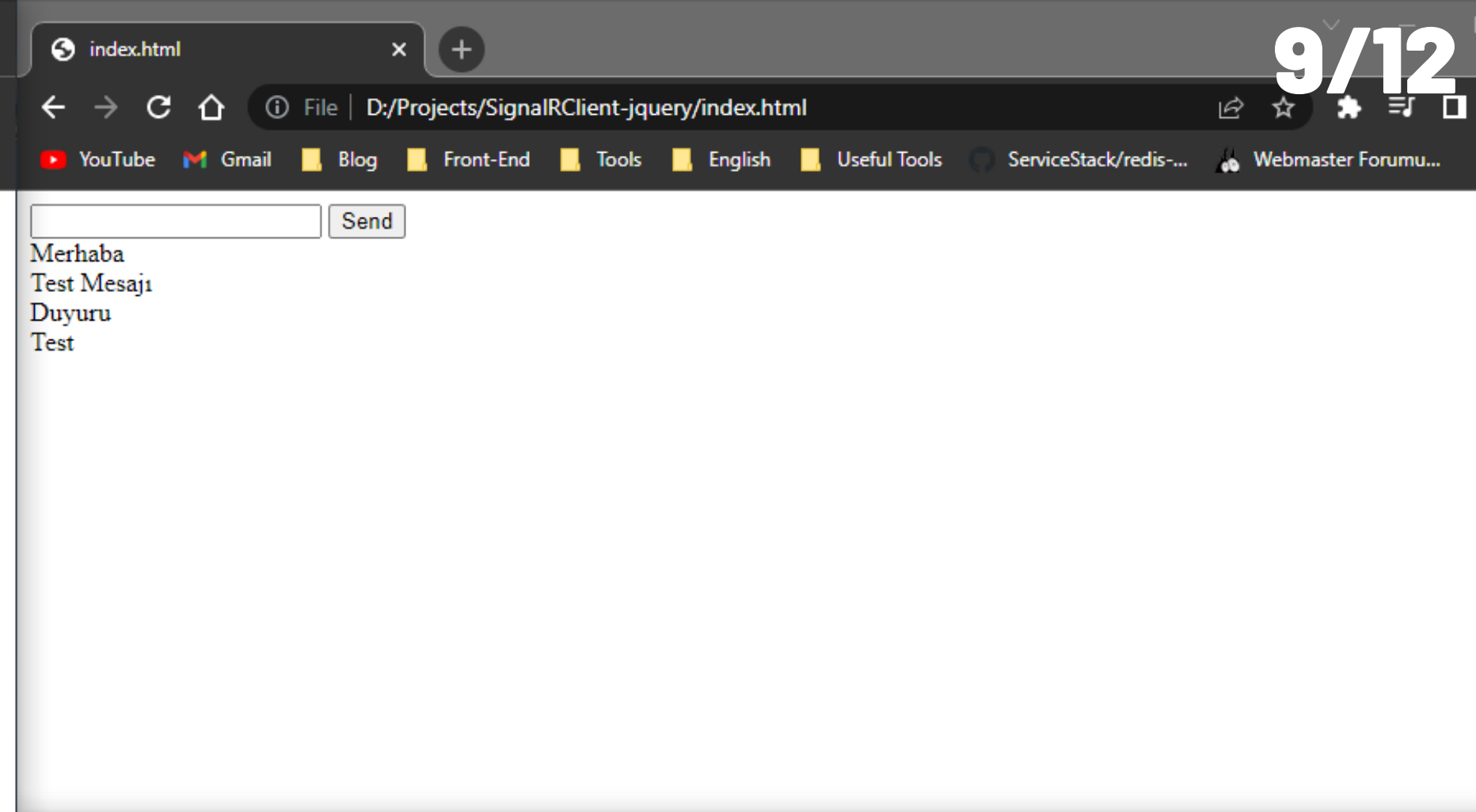
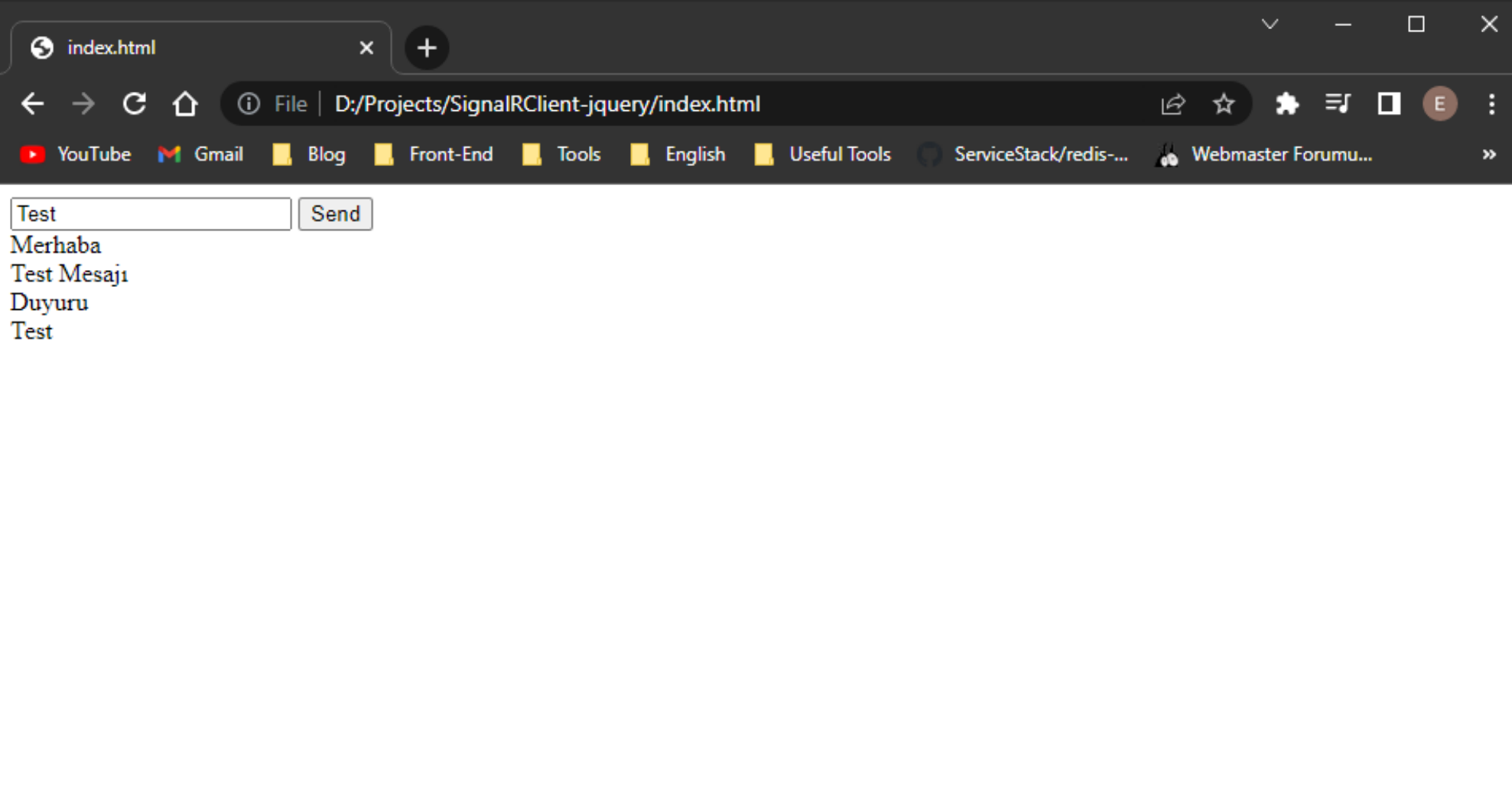
    <script>
      $(document).ready(() => {
        const connection = new signalR.HubConnectionBuilder()
          .withUrl("https://localhost:7077/hub")
          .build();

        connection.start();

        $("#btnSend").click(() => {
          let message = $("#txtMessage").val();
          connection.invoke("SendMessageAsync", message);
        });

        connection.on("receiveMessage", (message) => {
          $("#div").append(message + "<br>");
        });
      });
    </script>
  </head>
  <body>
    <input type="text" id="txtMessage" />
    <button id="btnSend">Send</button>
    <div></div>
  </body>
</html>
```





```
<script>
```

```
$(document).ready(() => {  
    const connection = new signalR.HubConnectionBuilder()  
        .withUrl("https://localhost:7077/hub")  
        .withAutomaticReconnect()  
        .build();  
  
    connection.start();  
  
    $("#btnSend").click(() => {  
        console.log("asd");  
        let message = $("#txtMessage").val();  
        connection.invoke("SendMessageAsync", message);  
    });  
});
```

ElementsConsoleSourcesNetwork

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topFilterDefault levelsNo Issues

[2023-05-19T14:12:56.438Z] Information: WebSocket connected to <wss://localhost:7077/hub?id=giS8RZx2VDHHfLHvGt2wxw>.

✖

▶ [2023-05-19T14:13:00.656Z] Error: Connection disconnected with error 'Error: WebSocket closed with status code: 1006 ()'.

Utils.ts:182

✖

▶ POST <https://localhost:7077/hub/negotiate?negotiateVersion=1> net::ERR_CONNECTION_REFUSED

FetchHttpClient.ts:83

⚠

▶ [2023-05-19T14:13:03.026Z] Warning: Error from HTTP request. TypeError: Failed to fetch.

Utils.ts:185

✖

▶ [2023-05-19T14:13:03.026Z] Error: Failed to complete negotiation with the server: TypeError: Failed to fetch

Utils.ts:182

✖

▶ [2023-05-19T14:13:03.026Z] Error: Failed to start the connection: TypeError: Failed to fetch

Utils.ts:182

✖

▶ POST <https://localhost:7077/hub/negotiate?negotiateVersion=1> net::ERR_CONNECTION_REFUSED

FetchHttpClient.ts:83

⚠

▶ [2023-05-19T14:13:07.406Z] Warning: Error from HTTP request. TypeError: Failed to fetch.

Utils.ts:185

✖

▶ [2023-05-19T14:13:07.406Z] Error: Failed to complete negotiation with the server: TypeError: Failed to fetch

Utils.ts:182

✖

▶ [2023-05-19T14:13:07.406Z] Error: Failed to start the connection: TypeError: Failed to fetch

Utils.ts:182

✖

▶ POST <https://localhost:7077/hub/negotiate?negotiateVersion=1> net::ERR_CONNECTION_REFUSED

FetchHttpClient.ts:83

⚠

▶ [2023-05-19T14:13:19.768Z] Warning: Error from HTTP request. TypeError: Failed to fetch.

Utils.ts:185

✖

▶ [2023-05-19T14:13:19.769Z] Error: Failed to complete negotiation with the server: TypeError: Failed to fetch

Utils.ts:182

✖

▶ [2023-05-19T14:13:19.769Z] Error: Failed to start the connection: TypeError: Failed to fetch

Utils.ts:182

✖

▶ POST <https://localhost:7077/hub/negotiate?negotiateVersion=1> net::ERR_CONNECTION_REFUSED

FetchHttpClient.ts:83

⚠

▶ [2023-05-19T14:13:52.135Z] Warning: Error from HTTP request. TypeError: Failed to fetch.

Utils.ts:185

✖

▶ [2023-05-19T14:13:52.135Z] Error: Failed to complete negotiation with the server: TypeError: Failed to fetch

Utils.ts:182

✖

▶ [2023-05-19T14:13:52.135Z] Error: Failed to start the connection: TypeError: Failed to fetch

Utils.ts:182

ElementsConsoleSourcesNetwork

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topFilterDefault levelsNo Issues

[2023-05-19T14:15:23.990Z] Information: WebSocket connected to <wss://localhost:7077/hub?id=sTfcs3NQjrjIm0Q49iCDog>.

✖

▶ [2023-05-19T14:15:27.277Z] Error: Connection disconnected with error 'Error: WebSocket closed with status code: 1006 ()'.

Utils.ts:182

✖

▶ POST <https://localhost:7077/hub/negotiate?negotiateVersion=1> net::ERR_CONNECTION_REFUSED

FetchHttpClient.ts:83

⚠

▶ [2023-05-19T14:15:29.642Z] Warning: Error from HTTP request. TypeError: Failed to fetch.

Utils.ts:185

✖

▶ [2023-05-19T14:15:29.642Z] Error: Failed to complete negotiation with the server: TypeError: Failed to fetch

Utils.ts:182

✖

▶ [2023-05-19T14:15:29.643Z] Error: Failed to start the connection: TypeError: Failed to fetch

Utils.ts:182

[2023-05-19T14:15:34.245Z] Information: WebSocket connected to <wss://localhost:7077/hub?id=nBylVIBqRSC4fMBIOF6xwQ>.

>

index.html

```

<script>
  $(document).ready(() => {
    const connection = new signalR.HubConnectionBuilder()
      .withUrl("https://localhost:7077/hub")
      .withAutomaticReconnect()
      .build();

    async function start() {
      try {
        await connection.start();
      } catch (error) {
        setTimeout(() => start(), 5000);
      }
    }

    start();
    //connection.start();

    $("#btnSend").click(() => {
      console.log("asd");
      let message = $("#txtMessage").val();
      connection.invoke("SendMessageAsync", message);
    });

    connection.on("receiveMessage", (message) => {
      $("#div").append(message + "<br>");
    });
  });
</script>

```

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top Filter Default levels No Issues

- POST https://localhost:7077/hub/negotiate?negotia FetchHttpClient.ts:83
 teVersion=1 net::ERR_CONNECTION_REFUSED
- [2023-05-19T14:21:15.260Z] Warning: Error from HTTP request. Uutils.ts:185
 TypeError: Failed to fetch.
- [2023-05-19T14:21:15.261Z] Error: Failed to complete negotiation with the server: TypeError: Failed to fetch Uutils.ts:182
- [2023-05-19T14:21:15.261Z] Error: Failed to start the connection: TypeError: Failed to fetch Uutils.ts:182
- POST https://localhost:7077/hub/negotiate?negotia FetchHttpClient.ts:83
 teVersion=1 net::ERR_CONNECTION_REFUSED
- [2023-05-19T14:21:22.644Z] Warning: Error from HTTP request. Uutils.ts:185
 TypeError: Failed to fetch.
- [2023-05-19T14:21:22.644Z] Error: Failed to complete negotiation with the server: TypeError: Failed to fetch Uutils.ts:182
- [2023-05-19T14:21:22.644Z] Error: Failed to start the connection: TypeError: Failed to fetch Uutils.ts:182
- POST https://localhost:7077/hub/negotiate?negotia FetchHttpClient.ts:83
 teVersion=1 net::ERR_CONNECTION_REFUSED
- [2023-05-19T14:21:30.041Z] Warning: Error from HTTP request. Uutils.ts:185
 TypeError: Failed to fetch.
- [2023-05-19T14:21:30.042Z] Error: Failed to complete negotiation with the server: TypeError: Failed to fetch Uutils.ts:182
- [2023-05-19T14:21:30.042Z] Error: Failed to start the connection: TypeError: Failed to fetch Uutils.ts:182
- [2023-05-19T14:21:35.360Z] Information: WebSocket connected to Uutils.ts:188
 wss://localhost:7077/hub?id=QVfa1Qp4-zpg-D9F0AhWwA.