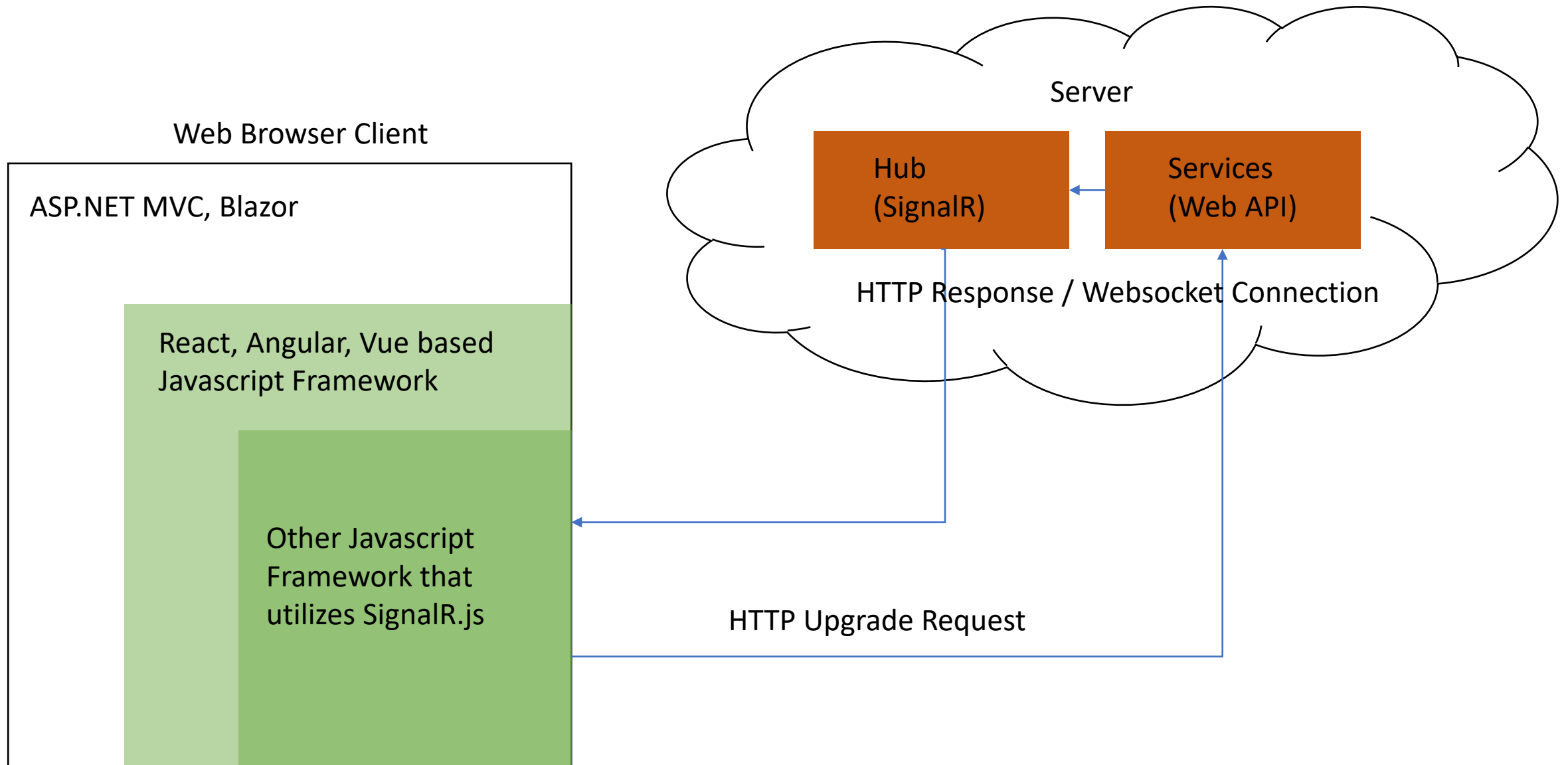# Chatty-Chat Web Chatting Application

The Chatty-Chat is an IRC style web chat application based on SignalR and ASP.NET Web Api. There is no need to register as user. Everybody can join the chat as long as the client can send HTTP upgrade request or can connect directly using Websocket protocol to establish persistent connection.

SignalR and ASP.NET Web.Api will be used as a server. SignalR is used as it can automatically determine if Websocket is available and will fallback to Long Polling for persistent connection between Client and Server.

Any Web Clients as long as it support SignalR.js javascript library can be used. Also, can use ASP.NET MVC and Blazor as it natively support SignalR.

Client/Server Chat Architecture

Web Browser Client

ASP.NET MVC, Blazor

React, Angular, Vue based Javascript Framework

Other Javascript Framework that utilizes SignalR.js

Server

Hub (SignalR)

Services (Web API)

HTTP Response / Websocket Connection

HTTP Upgrade Request

Server (Web Api and SignalR)

ASP.NET Web API	
Api Endpoint	<service-url>/lets-chat
Services (SignalR Hub)	OnConnected – Connected event
	OnDisconnected – Disconnected Event
	SendMessage – Send a Message Event

Client (Any Javascript Framework that support SignalR.js) – i.e Blazor