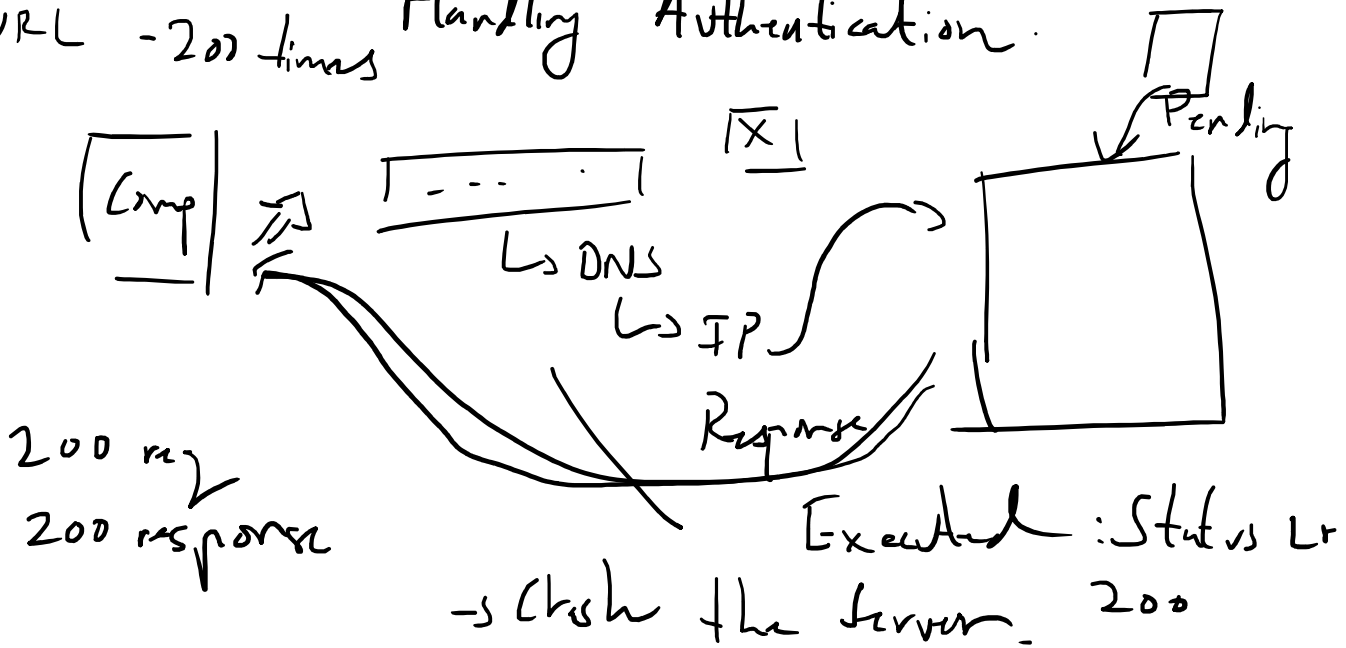
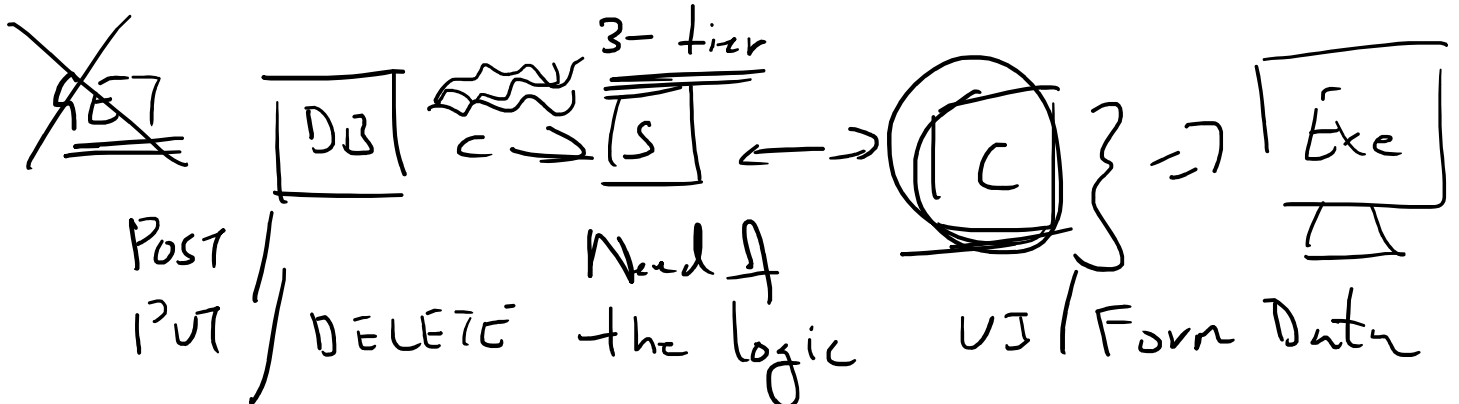


render template & Routing: 1990-2005

- Flaws: Overhead on Server (Processing Load)
- Duties of Server: Managing Logic, Handling Data,
- URL - 200 times Handling Authentication.



→ Check the server. 200



PUT / DELETE the logic UI / Form Data

-> C ~ Vanilla JS, React, Angular, Vue, Svelte,
Flutter, React Native, Kotlin, Java (gradle)
HTML5 / Bootstrap, Tailwind, Materialize CSS

-> S ~ Flask, Django, Fast API (Python)
Node JS (JavaScript)
PHP, Ruby on Rails
Java (Spring & Springboot)
Dart (Cholany)

-> 3-tier (Communication RestAPI)
API ~ Application Programming Interface

```
graph LR; subgraph Backend; B1[Flask]; B2[Python]; end; subgraph Mobile; M1[Android (Kotlin / RN / Flutter)]; M2[iOS (Flutter)]; end; subgraph Web; W1[Web (React / Angular / Vue / Svelte)]; end; B1 --> M1; B1 --> M2; B1 --> W1; B2 --> M1; B2 --> M2; B2 --> W1;
```

Android (Kotlin / RN / Flutter)
iOS (Flutter) Dart JS
Web (React / Angular / Vue / Svelte)
REST API

-> Representational state Transfer

7/11

Python \leftrightarrow JSON \leftrightarrow Angular
Mediator (Data Format)

JQuery

XML

AJAX

JSON (JavaScript Object Notation)

{ "name" : "Firstname" }

\rightarrow Python Dictionary

{ 'number' : 3.14 }
{ 'onClick' : true }