Browser Architecture

User Interface

Brower Engine

Rendering Engine

Data Storage

Networking

JavaScript Engine

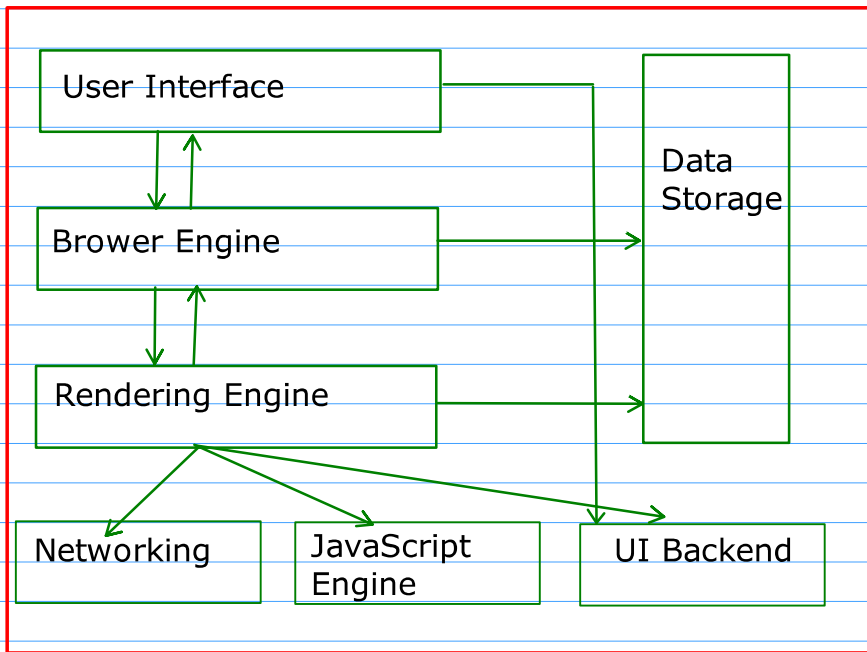UI Backend

Rendering Engine
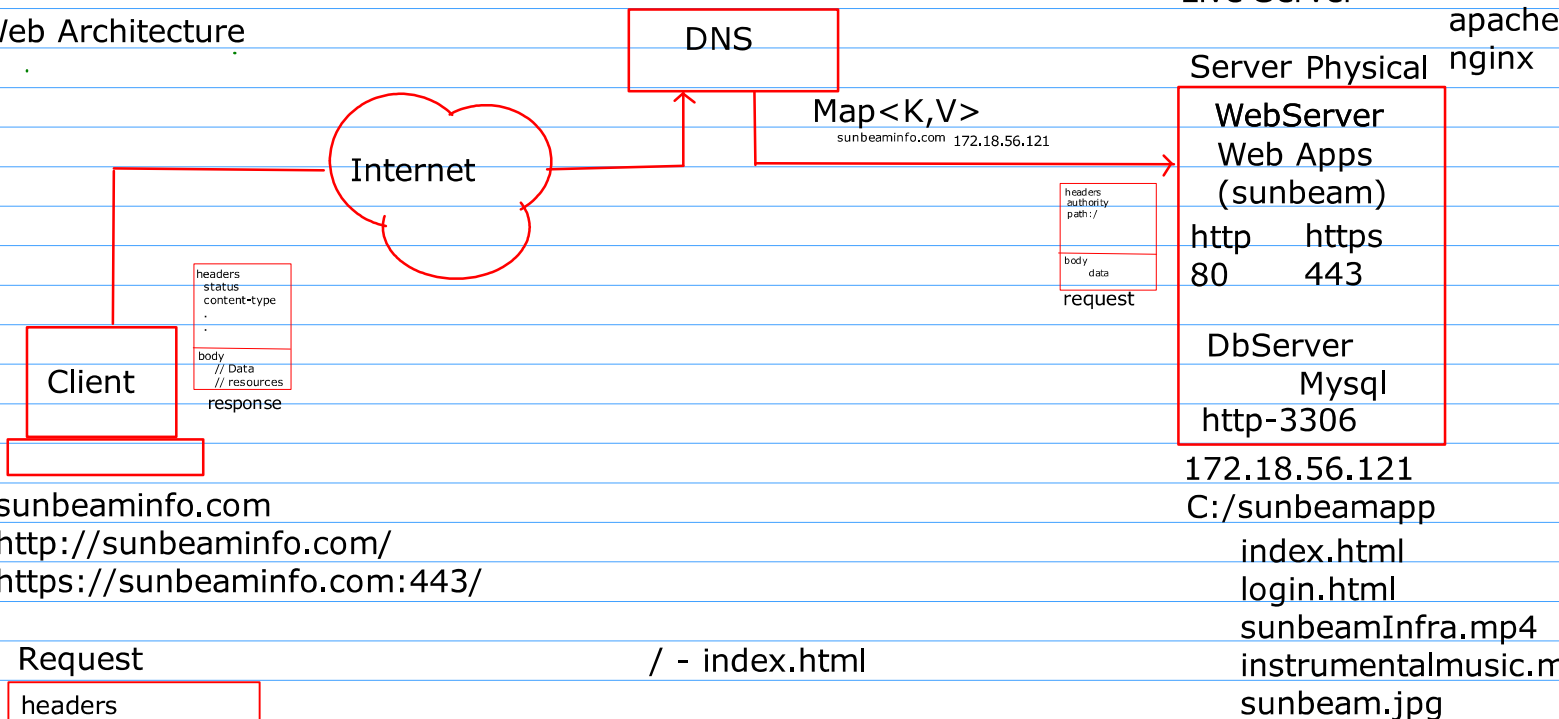Safari -> Webkit
Chrome -> Blink
Firefox -> Gecko

JavaScript Engine
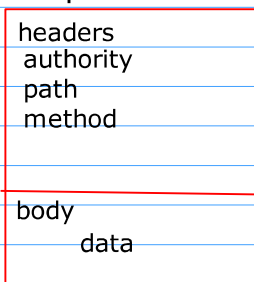Safari -> JavaScript Core
Chrome -> V8
Firefox -> SpiderMonkey

Node

Dummy Server
Live Server

IIS
apache
nginx

Web Architecture

DNS

Internet

Map<K,V>

sunbeaminfo.com   172.18.56.121

Server Physical

WebServer
Web Apps
(sunbeam)

| http | https |
| 80 | 443 |

DbServer
Mysql
http-3306

172.18.56.121

C:/sunbeamapp

index.html
login.html
sunbeamInfra.mp4
instrumentalmusic.m
sunbeam.jpg

headers
authority
path :/

body
    data

request

headers
status
content-type
.

body
    // Data
    // resources

response

Client

sunbeaminfo.com
http://sunbeaminfo.com/
https://sunbeaminfo.com:443/

/ - index.html

Request

headers
    authority
    path
    method

body
        data

Response

headers
    status
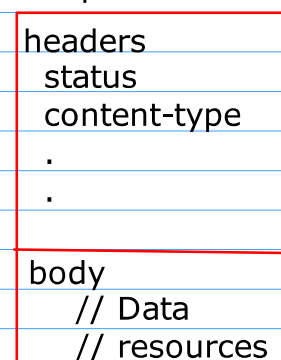   content-type
    .
    .

body
    // Data
    // resources

GET - To fetch the data from server
POST - Adding the data to the server
PUT - Update the resource on the server
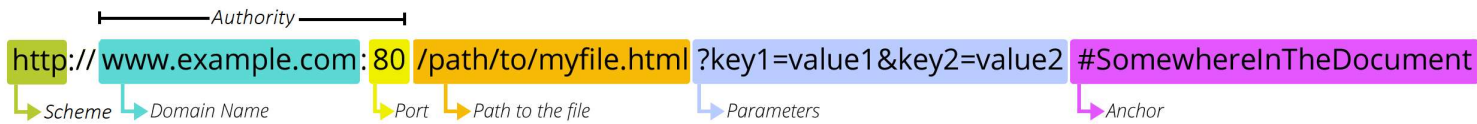DELETE - To delete the resource from the server

Web Application

FrontEnd   React

Backend   Node, Express

1XX - Informational

2XX - Request proccessed

3XX - Further actions required from client

4XX - Client errors

5XX - Server errors

Frameworks,

    - Set of libraries

    - Structure

Amazon

1. website (Clients)

4. website(admin) (CRUD)

5. Mobile Application (client)

6. Mobile Application (Delivery)

Spring

Client

URL

```
|------ Authority ------|
http://  www.example.com:80  /path/to/myfile.html  ?key1=value1&key2=value2  #SomewhereInTheDocument
  ↳Scheme  ↳Domain Name  ↳Port  ↳Path to the file   ↳Parameters              ↳Anchor
```

mysql

    client

    server

Web Application

    html