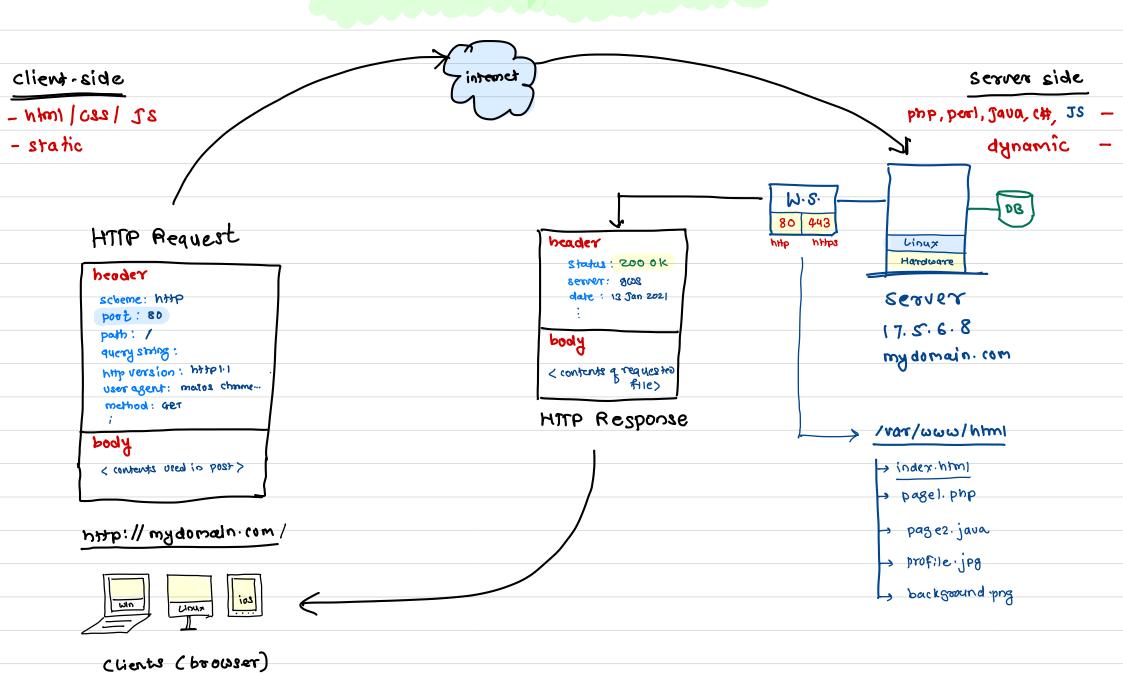


NEB ARCHITECTURE



Segrer

- machine used to serve requests
- types
 - web server
 - server used to serve http requests
 - eg. apache, III, Express
 - file server
 - used to share files within group of users
 - eg. NFS
 - detabase server
 - used to persist the data
 - types
 - RDBMJ: MYSGL, Oracle, SQL Server, Postgres, IBM DB2 ...
 - NOSQL: MongoBB, Couch DB, Firebase ...
 - application server
 - used to serve application
 - eg. tomcout

? rescuord a si toda *

- native application
- developed in c/(++
- os dependent
- understands protocols
- interpreter for html/css/J8
 - undoostands html/css
 - executes the JS code
 - contains parsers for different formats
 - parter for hamil css
 - parser for xmL
 - porser for text fromat

```
* Is Engine: used to execute Is code

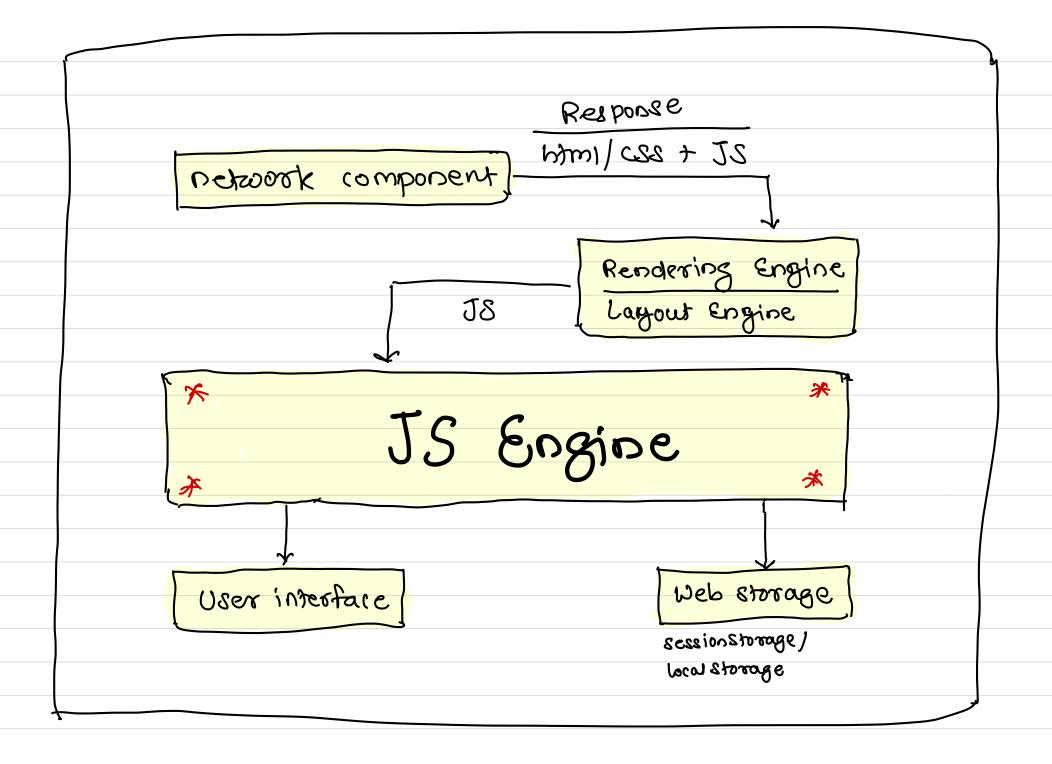
- chrome: V8 [c+t]

- safari: Nitro Is

- firefox: spidermonkey

- Edge: chakra

- interpreter for Is
```



* what is URL?

- Unitoon Resource Locator
- Locator: used to locate
- Resource : any file hosted on server

```
http: 11 mydomain com
```

http8:11 google. coin

http: 11 192.168.2.3

http:// mydomain.com : 8080

http:// mydomain.com/mypage.html

http:// mydomain.com/mypage.htm/? name = abc & address = pune

http:// mydomain.com/mypage.htm/# top

- Uniform
 - irrespective of browser / os ure remains same
 - components
 - * scheme
 - protocol used to communicate with server
 - eg. http:/ https, file, ttp
 - * domain name or IP address
 - used to identify server machine uniquely
 - * port number
 - port number q web server
 - if it is missing by default
 - http:80
 - · https: 443
 - * file name or path
 - resource to visit

```
& drow stond
```

- a way to pass input to the page

 it is always in the format:

 ? <key> = <uslue>

- * hash component (proxy)
 - used for linking multiple sections within a page

- * what is status code in response object
 - rode represents the status of processing request
 - types
 - 1xx: used to represent debugging/informational messages
 - 101: switching protocol
 - 2xx: represents success
 - 200: OK 201: created
 - 3xx: represents redirection
 - 200: sempoorant sedirection
 - 4xx: represents client error
 - 400: Bad request 401: unauthorized 403: Forbidden 404: not found
 - Sxx: represents server error
 - ross solves largeral: 002 -



- O platform: NodeJS
- a Darabase: Mysal + Mongo
- 3 client side framework: React / Angulor
- 4 Web Server: Express
- © 08: mac 03/Linux/Windows
- © Language. JS

