(Consistency) " Making the most of the bookcamp. - watch lectures - offline sieview -> Homework. Discousions on Discord. Notes Make Notes -> Interactive (oppostunities to interact). () Most often Customers are other developers. -> Three tier Architecture. Browser Rest Call Page Load Bacterd serve) CON padatoric Database Browsen makes call to CON -> which has some javably embedded which will call RostApris. supportune xisti no 1 and

Browsey Backord APP CON hood page Render HEM adecentess Make Pest Apr. Calls API susponses (transmin at souther +109) Microservice Asolitecture: Browser Rest Call PageLocid APT Galeway (Service B Database C Distributed scencers that deliver es, web contents to were based on their geographic location.

of groved on multiple servers in various Locations How. does a CDN work. sorigin server with the case of the case of the -> Edge Souver , wer o when a user rivits a static website for the will transfer the files from fout time, a CDN Service MOOL THAT oligin Server. Web Roquest of the browser sends a suggest to the DNs Seaver, to study the domain name of the URL to its corresponding IP Googli Con - 12-36... (Pondon address) of the DNS Server returns the IP address of the closest & CDN edge servers to use location. => & CON edge berver checks 8th cache. > 24 found the cache, the CON edge scaver seturns the Cached Version. if not found a call happens to origin server and Store an Cacho before serving the user. (New page),

Edge docations: Very close to users which serve the suggest con) it is substed to Edge servers: The first server which surpords to The sequest from source.
(Eg. API Gateway) AWS CON Service: Choud front. was Him so mit & * web page > HTML page · Levist night oss ausets Image od - - / Lupie w 2 b or popular) Is assets it of say all promote amounts. -> fonts. The origin secures sectums the sequested Content.

To the CDN Edge Server. The CON edge server stores it in oak. -> The CON edge source sections the content to the browser. apo of my fine busy you j The provide the following the second of the

REST suggest (other such are fraphal)

> Tavascript Code Constructs an 11777 suggest.

, Adds endpoint APT URL and HITP method.

- Include necessary parameters of data.

- Servers gets request and returns susponse

- Javascript receives response and processes it

-> Respons manifest as a UI change.

A Capable backerd

Intercept suggests, topics of

-> Extract Data from suggests.

-> process the suggest

> Pull receivery data from database

> process the data and prepare susponse.

or Return response.

Hardling Requests

HTTP:- (HyperText Transfer protocat)

to a server to request specific Enformation.

- Approx 🕡 that is not

HTTP request

- -> Request Line (GET/into Html +1170/1.1
- -> HED Headors META info about the acquest.
- -> Body:- Data -to be sent with the sequest.
- -> HTTP requests and we send HTTP susponse.
 - -> Status Line :- Foust line Eq. HTTP 11.1 2000k
 - -> 400 series > Error in the request from client sole

CANADA - IN CAMPLE

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Transfer of the formal

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5 Stateless Protocol:

Cookies

y Allows multiple requests to be tood together.

- Server creates a cookie . The while sending the susponse it sends a ret-cookie.
- sends the suggest.
- weight server senions
 - Login flow

- user enters login credentials into a web form. -> form data is submitted using Attp post, Server renifies the credentials, user andcreates uniquest

Server generates new services for the user andcreates uniquest

Tookie Erchang flow

Cookie Approach Set Crokie header

Browser sends the Cookie

Mark to server in cookie header back to server in cookie heady Automatic -> Server books up session info based on session 11. - Browser memory. - use need services storage. Server generates presenting What we need (> A programming danguage. (& Jowa) -> A Scource Runtime (Eg) - Teotigo, tomost) Jetty -> A framework to handle Common Concerns leg : spring poor -> A framework to interact with the database (eg. JPA)

-> A framework to handle security (eg. spring security) A framework to manage infustracture. graphy us similarly article Source Control: Git. A vesusion control System for tracking changes in

git. A vesusion comtrol System to tracking changes in files and Goodinating work among multiple people.

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