Java Application. Three fier - anchitecture front - mid - databall Pograland o Nodeto Cally by journ schiet PPI micho sorvices Browlet APP Gateway Service CDN: content Delivery Network. * Distributed servers that deliver web content to werd balled on their geographic location. * Stord on multiple solvers in various locations shrutes the remest to the server docust to the & falker than getting this from the origin songin server servet. -> Edge server.

A web requests Troublet sends a rehust to the DNS Comain wome deriver) to resolve the domain name of the URL to its corresponding IP address * The DNS server returns the IP address of the closest CDN edge server to the weeks location. The Brause sends a rebuilt to the EDW edge * The COW edge server checks its cache. serven * If fround in the casher the DN edge Sources * If not found in the cache the color edge Solvet ruterths the cached version. sends a rebush to the origin server A The onigin server neturns the refusited content to the CDN edge sorver. & The CDW edge server stories it in cache * The CDN edge server returns the content to the Browser.

re wests: All making a call to the server Kesp Domain re of the * Javasdipp and constructs on tittp reluest * Adols endpoint BPI URL and 147TP method + In durais necessary parameters or data. le of & Server gets Irlust and returns response 25 * Is relieved response and procuses is. * Response manifelts as a UI charge edge d capable backend! of Intercept reducts * Extract data from relucits rues p pell recusary does a from dasabase. to pholes the data and prepare response to deturn the hesponse entent HTTP - - Hyper Text Townsfer Photocal. Hodling retuits: profocal for sending Julust over internet * a mellage sent by a dient (seich al e a bhouser) to a sorver to request specific Information * Referent time ("GET/index. http://.1") mechanism * Headers: meter into about the surfuest - HTTP Spault: & Body: Parta to be sent with the nequest

HTTP hasponle * stated line: First line E9: 1477P/t1 200 c/s
* Headers: moto about the rubrance * Body: Actual class being sent

HTTP - statelles protocol.

COOKILL:

Allows multiple sherrests to be "tied together".

af a susponse Cookles: at sent back to the server an the cooker header of substitent requests.

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	with server sellions
+	Login flow:
+	* user enters login credentials into a web form.
+	* form data is submitted using HTTP POST
+	& sorver verifies the credentials
+	server generates a new session for the user
+	* Server creates a unique token (Selsion ID)
+	I server sends a response with a set -cookil
+	1.00 411
+	a strouber storb the cookie on the web's device.
+	To go yourse to see the see that the see tha
+	Cookie Eachange flow:
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+	& Bhowsen sends the cooker back to server in
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1	* Server generates a personalized response.
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1	AND THE RESERVE OF THE PARTY OF
	a Browser memory. a Local and Selsion Storage.
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1	Little of divide the interest of the distribution
+	phinals they of the solution of

* Process the remest * Pull reallary data from databasels * phoses the data and prepare hesponse & Return the presponse. Showsen CON Backend app Load fage send HTML, CSS, JS Render HTML and exolute JS. make API calls API responses Browser CON Backend app what we need: Tava XX phogramming Language Tomat, JT. & A solver runtime. soring, soring-boot of it framework to handle common concerns * A framework to interact with the database & & frame work to hardle sewrity * A Stramework to manage infrastructure

A capable backend.

* Interoop & requests

* Extract data from regulate

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