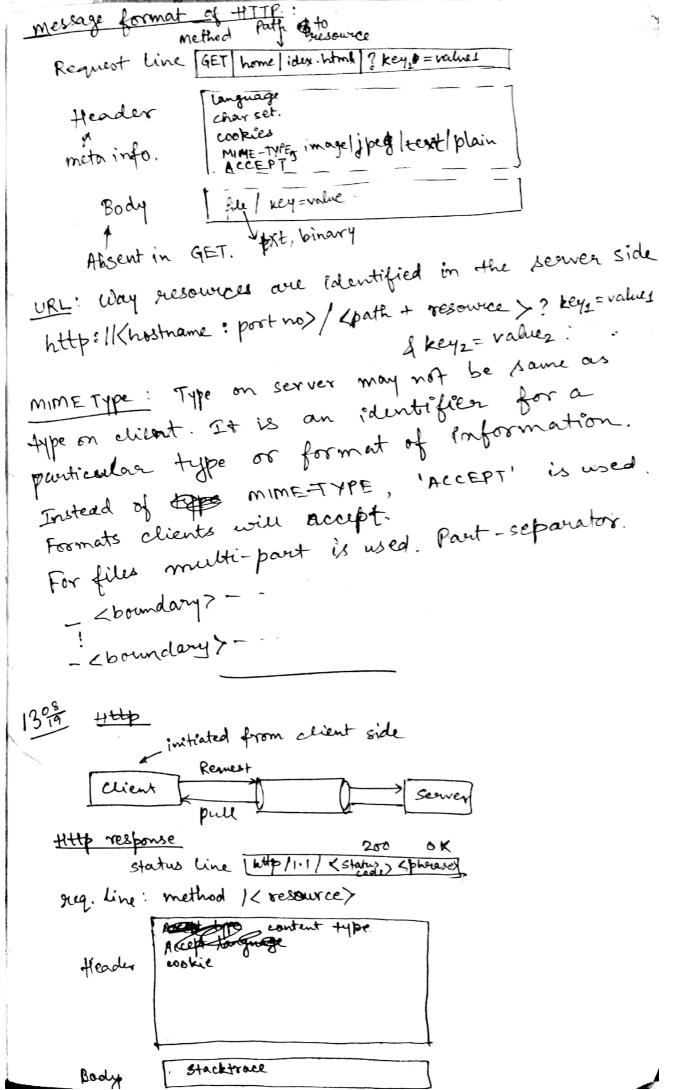
0619 Miss Internet Technologies. . Web Applications ( de defa) · pesign Patterns: Abstract design of software -> (MVC) It is a reusable solution to a design problem and it involves a set of components that interact to solve a general design problem within a particular context. + Architectural Design Patterns Ho client Server rea frewer cuent response. database server Each tier addresses a reparate concern. Data tier Application (Logic) presentation @ Each tiers are is independent. Separation of concern. 8. Framework - Scaffolding of web application. A software application framework is a universal reusable software environment that provides particular functionality as part of a larger software platform to facilitate development of software applications, products and solutions. Framework -> suitable if frozen spots >> hot spots Hot Frozen spots spots \* web Applications: WordPress - content management system web Application Francework: An application framework designed to support development of web applications that generally includes -> Database Support (schema change) -> Templating framework for generating dynamic Scanned by CamScanner

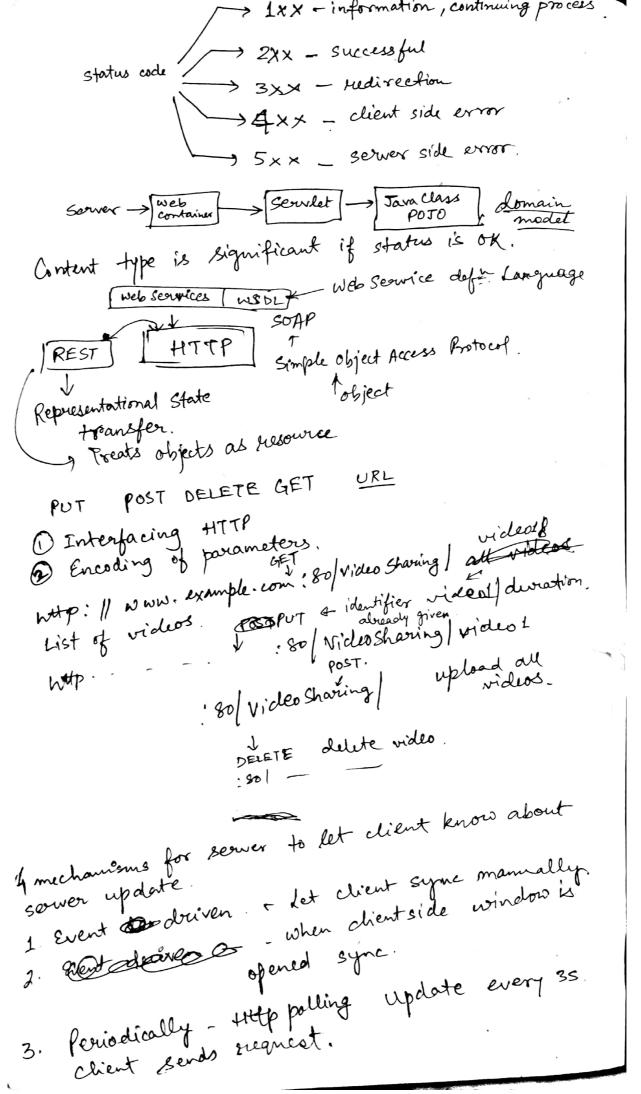
-> HTTP session management with middleware support -> Built-in testing framework. When a user is logged in session id is created. sends session id to client, Decurity services →3 Data session id stored in browsex. When next request goest to server browser Sends session id, Intelligent web. 1. Ruby on Rails (web Framework).

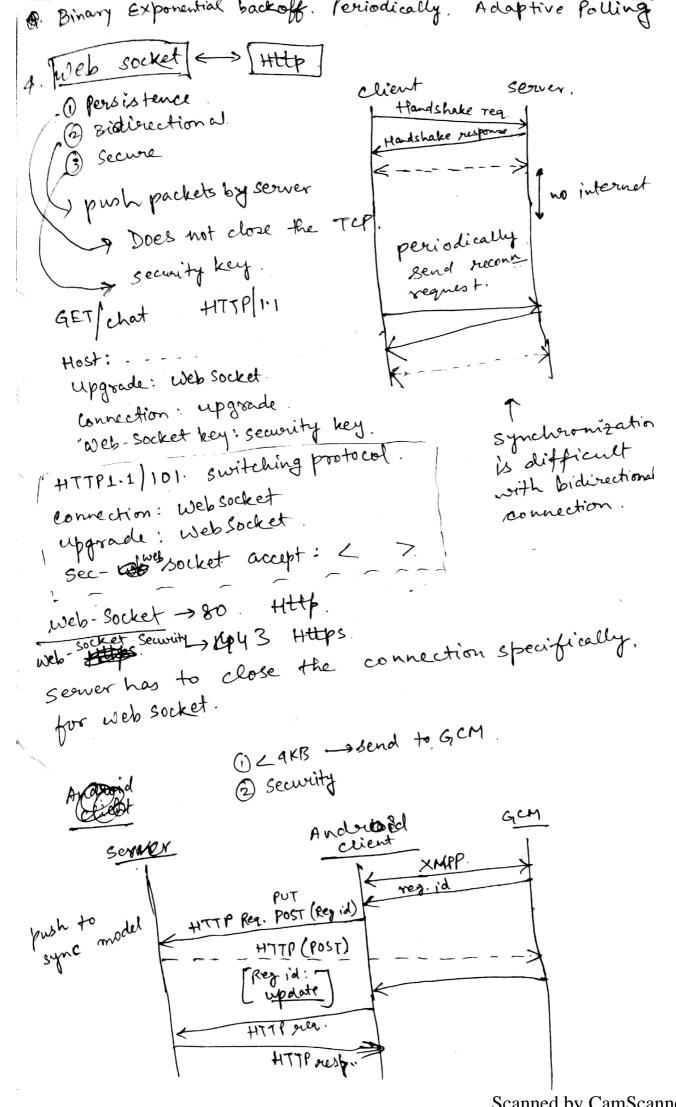
Sinatra 2. React Angular Js [ Node JS] 3. Symphony Symfony (PHP). 4. Play (Joval Scala). 5. Django (Python). 6. Spring (Jana/JSP/ Servlet) 7. Demando ASP. NET \*HTTP: . Gives unified interface at seewer side for resource · Reuse web infrastructure. · Efficient in distributing requests to different servers. HTTP Rea > server Client Http Regnest porth + resource to actual method (type of req.) Idempotent > GET -> coreate new filepath.

Not naturally > POST -> server will store > update file

Idempotent > DELETE







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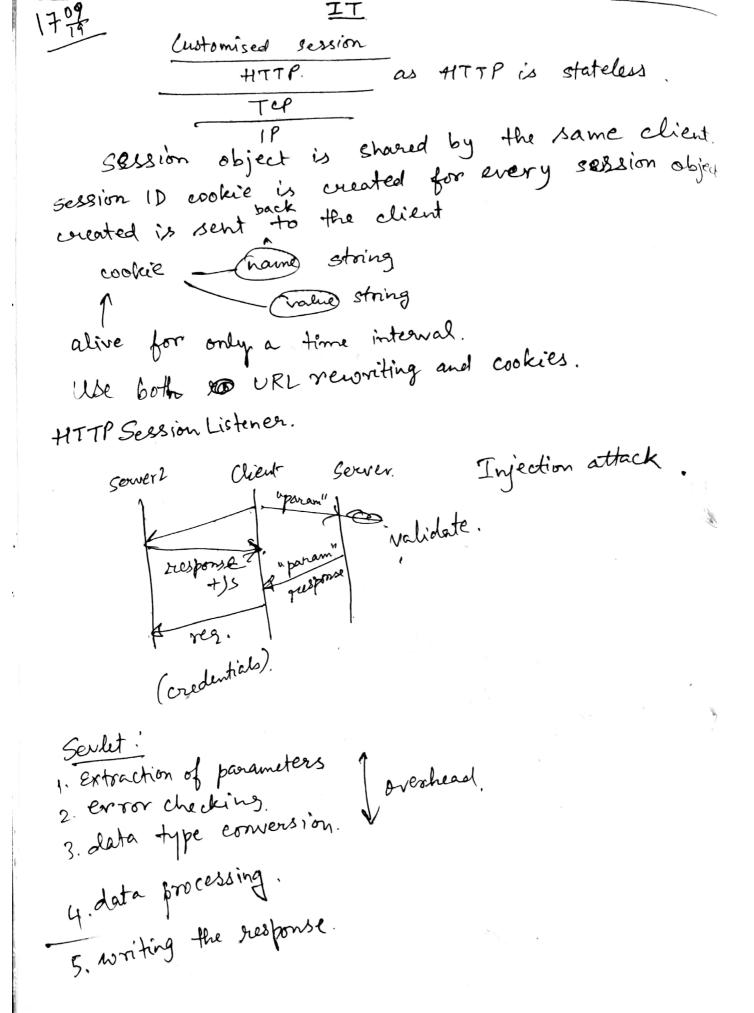
K-means is an apprecion Comerce desta fractiones experiences That are K-means, algorithm Non-overlapping stop steers, at lacal minimum. which is the Flobal one optimal option Internet Fech. Louver / Helloworld Example Louve > 2700 Deployment descriptions Zweb-app..... Lservlet > Locrylet - class > Hellow . -<seweet - name > Helloworld Example </sewelet - name > Uservlet? Zwil-pattern> /Hello Hello World. do Level-pattern> (servlet-mapping) Wervlet-mapping>. what to show the client 1. FQ class name 2. URL name. 2) webapp > 3. Deployer défined name. Scanned by CamScanner

1. Declarative security -> can also specify which methods are accessible. We can also write attributes to sequest object. Extracting parameters. Error checking conversion. Business Logic Web Container · Communications support · Multithereading Support · Declarative Security. · Communications support JSP Support. regnest, session, context l'application, parameter, attribute attribute. webapps My First Servlet Classes web.xml. attribute jut aprioration (get Servelet Config (). get Prioration (get Servelet Config (). generic Servet intl), service (), destroy (). init() may be imitialised if we need runtime dejects Ex. db connection. (Say JDBC dreiver)

public void do Get ( Http Searlet Regnest rez, tettp Servlet Response) . Sevelet Context. · Listener. -> listening to an event. -> notification for event. Servlet Context Listener. class My Cerulat Context Listener implements Servelet Context p. vn'd. context-Initialized (servlet Context Request Database obje new Database ( db string, stroke) (e. get Servelet Context, Context) get Init Parameter ('dbstring')); C. get Servlet Context(). get Attribute ("Cont," response. send Rodine et ("-") & client If servlet is changed. and again regnest. view= request. get Request Dispatcher (" x-jsp\*) view. forward (rez, resp); To send jar file: p. v. doget (~: reg, ~ resp) {. gresp. setContentType(" application (jar"); seculeHontext ctx = @get Servlet Context(). Input stream is = ctr. get Resource Stream ("/242.jar"); alised byte[] bytes = new bytes [1024]; objects int read = 0; Output Stream os = response. get Output Stream(); ょ while (---) ?

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03. flus h(); os. close(); the listener to count no . of users occessing the survlet. Container starts working 1. Loads seculet context Listeners. Book Constanter Ross postetos constructos @3. Servlet Config. 4. Configuration parameters. 5. Servlet instance 6. seculets. > using request Dispatcher / listener> View → model | controller | several method . use normal class -> in do Get() interaction object.



)} disportation Soulet controller 2 Java class Controller & write data processing method purchase with Discount (). Regnest Mapping ("/discounts") client. JSP has find Attribute ( -) n object