

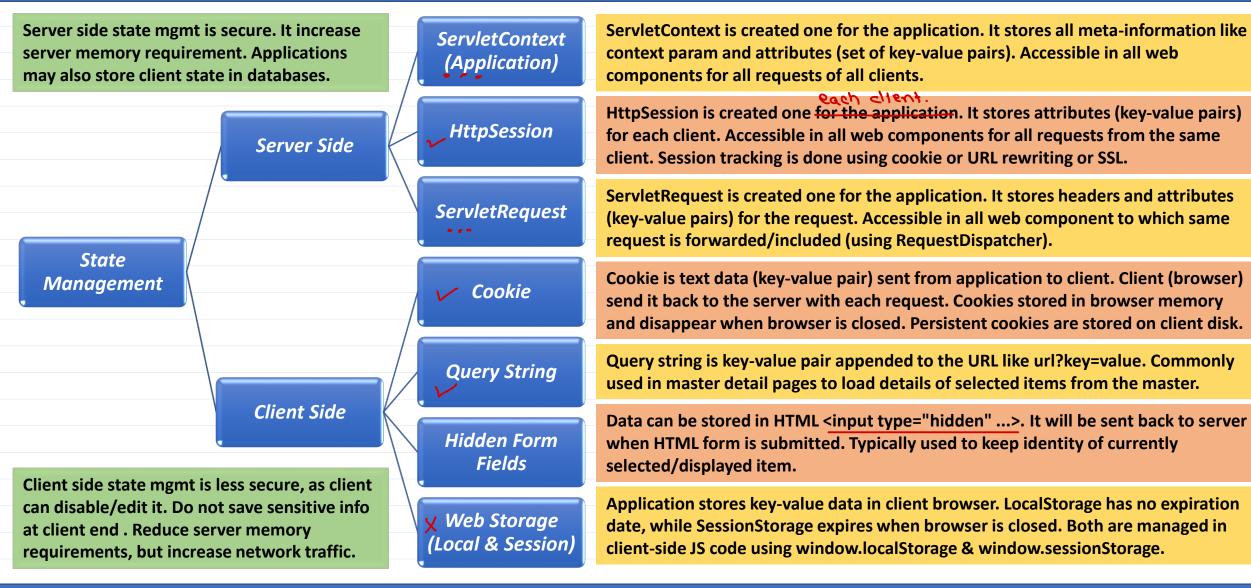


Advanced Java

Trainer: Nilesh Ghule



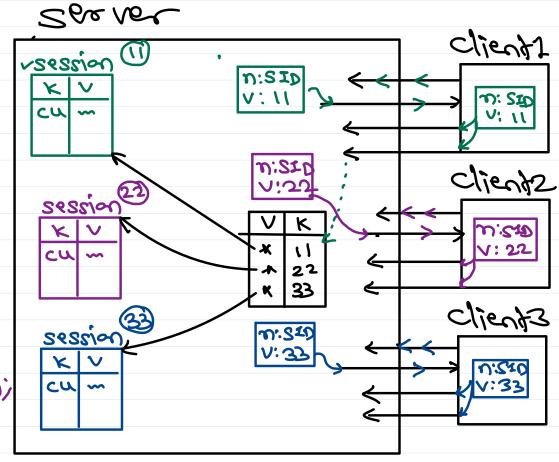
Java Web Applications – State management – at a glance





Session

Http Session is key-value map stored on seever side for each wer. To create access session: Session = reg. get Session (); To stone key-value in session: session. set-Attibute ("key" value); To retrieve key-value from session: value - session. get Attabute (~ keyi); To destroy the session: session. invalidate();



Sessian tracking Using Cookie (JSESSIONID).



Session

session = req. get session ();

</session-Contig>

- O check if session id cookie is present in current regular. If available, find the Session object corresponding to that id and return it
- D if session id cookie doesn't exist, create a new session and save it with new Session id (in server internet mem). Create a new session id cookie and send it to client with next response.

Special tracking modes: massam <SPSION-Config> Session - Casha > URL

Session tracking by URL rewriting

http://lh:8080/app/url (after re-writing xxxx=binai2292i; Lzu/940[0808: 11 //: 4th/ " beolevemen used to esmite each wet in apply (form action a heef, resp. send Redirect, miss (...

- () renz = resp. en case URL (und);
- @ reurl = resp. en code Redirect URL (urs);

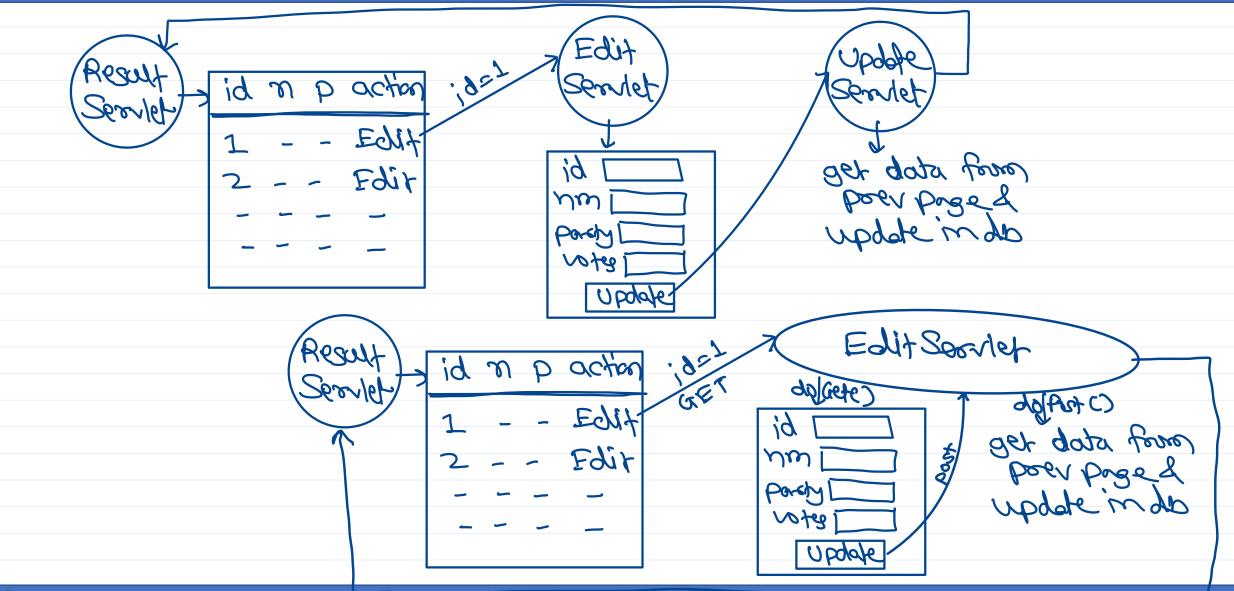


QueryString

when reg next page, the page Url can be appeded with additional key-value pairs. It is called as query string. http://lh:8080/app/page?key1=vd1&keyz=vd2 This data is acceptable in that page as reg. parameters. String val2 = reg. get forgoneter ("key2"); String val2= reg. get forgoneter ("key2");



Edit record





Req parameters vs Req attributes

- 1) received from client
- 3 always sting.
- (4) to access:

Sting v= reg. get Pasameter ("-")

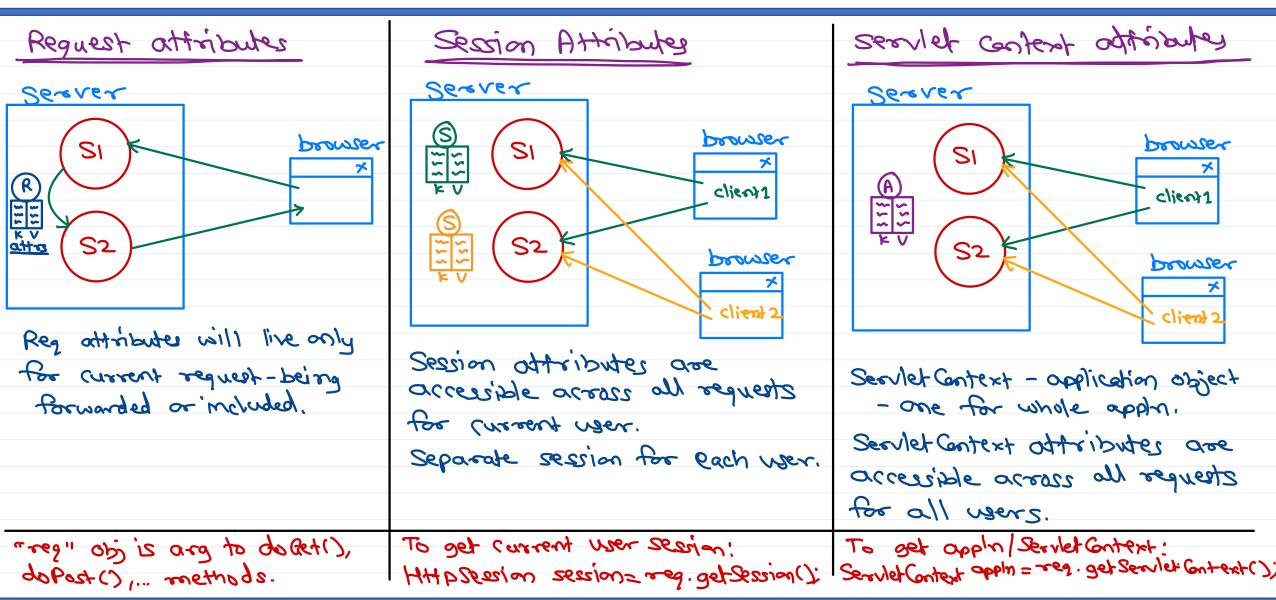
cr String[] v=
reg. getParameterValue (~_1);

- 1) Sent from Servlet 1 to Servet 2
- @ arry data added by servlets.
- 3) any java Object
- (4) Servlet 2: reg. Set Attinbute ("k", val); sendet 2:
- val= reg.getAttribute("K");
- Induding reguest.

response 15 generated processing is completed it.



Attributes - Scopes





JSP

JSP is outdated.

Servlets = business logic* + presentation logic

JSPs = presentation logic* + business logic

JSP is translated into Servet while execution.

1) JSP Syntax (Other than markup)

@<%.@%> > directives >> Page, include, taglib

B
∴ ispInit(), jsp Destroy (), Relde,...

© </.... /> > Scriptlet → java statements - reg. handling

@ <1. -- ... --1/> > expression

by java expression - req. handling

comput added to resp directly.

e <1. -- ... --1/> > server side comment

2) JSP implicit objects

variables available in

reg Mandling stage.

internally-local vars at

-jspService() method.

@ request: HttpServlet Request

(B) response: Http Servlet Response

@ config: Servlet Config

(1) Session: HttpSession

@ application: Servlet Context

(F) page: Object (this pointer)

@ paseContext: Page Context

(F) out: JapWriter

exception: Throwables
avoil only in err pages.





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

