



Advanced Java

Trainer: Nilesh Ghule



Searlet, I Lit bacoms

esdrigt barders

request attributes

- (1) Servlet specific settings (1) Send data with request configuration.

 Configuration. Configuration.
- 2) given in web zont <init-param) or @Weblenlet
- 2) given in old pogh
- as drawn seem seem seem seem seem of a drawn of the seem seem of the seem seem of the seem of the seem seems of the seems
- 3 Loaded in Servlet Config obj associated with each Servlet object.
- ral = config. get Init Parameter ("key")
- 4 String values.
- @ ustil servet is dest-soyed.

- 3 accord nies sed op: ral = red. det bleass eter ("- "). vals = org. get Parameter Values ("_ ");
- 4) String values.
- 3) until request is completed.

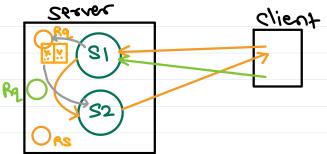
- (1) send data from one servlet to another while forwarding/ Including seg (Request Dispetoler)
- (2) Aust Sendet: seq. set Attribule ("key", value); Object
- 3 accessed in next searlet: value = veg. get Attribute ("key"); Object
 - 4) Object values
 - 3 until request is completed,



Scopes

Reguest

reg. set Attribute ("key", value); value = reg. get Attribute ("key");



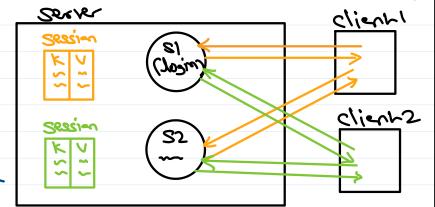
req attributes are accessible only for current req i.e. resp getting the worded included to next companent. When resp Is generated, req & resp objects are destroyed.

Spesion

A session is created for each user.

session. set Attribute(" key" value);

value = section. get Attribut(" key");

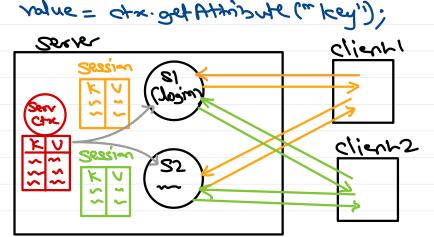


Session attributes one accessible in current user session i.e. available for all regs to all pages by the same user.

Application

A Servlet Context is created for each web apply.

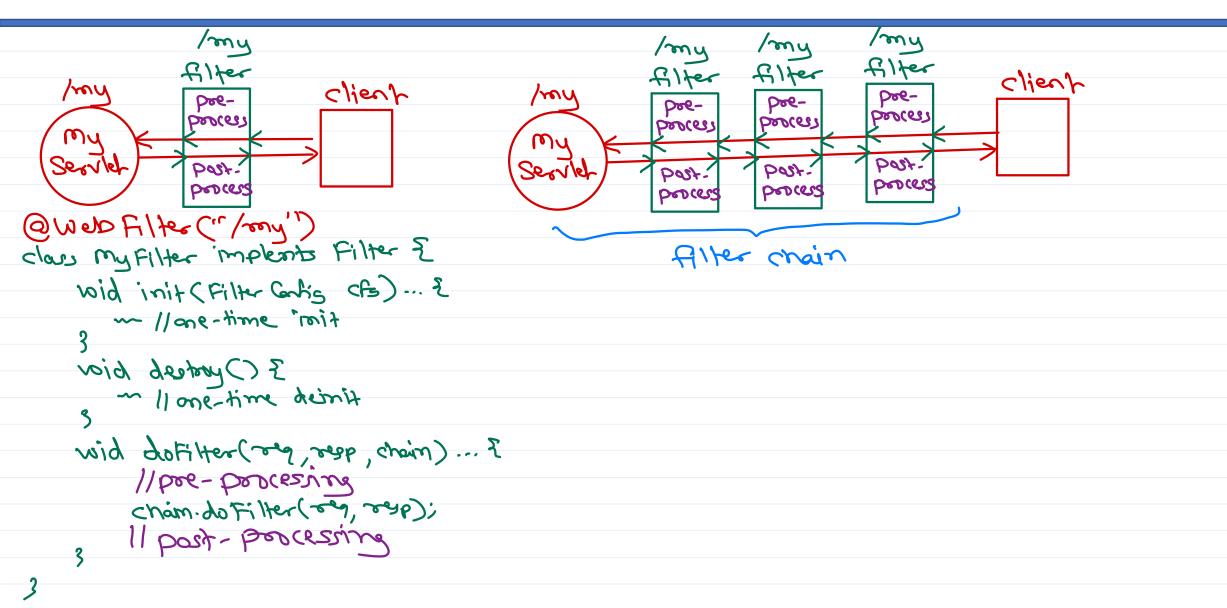
Ctx. set Attribute ("Key", value);



Searlet Ctre attainates are accessible throughout the apply (like glabel variables) i.e. to all regs to all pages by all users.



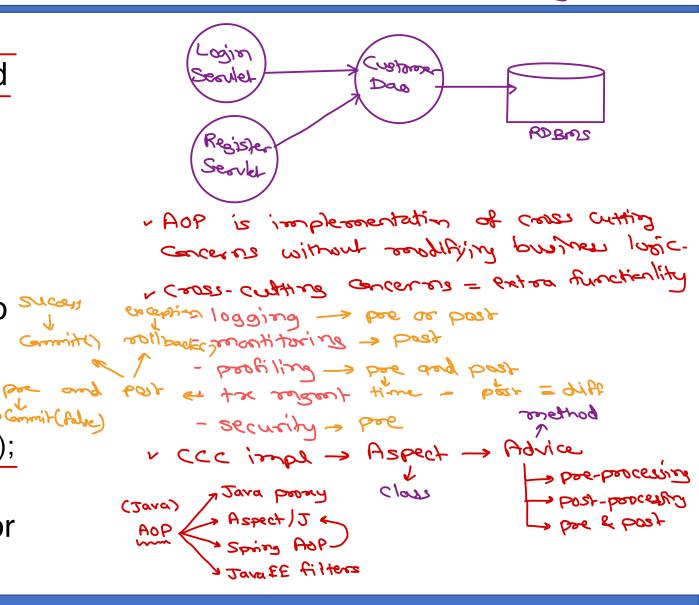
Filters





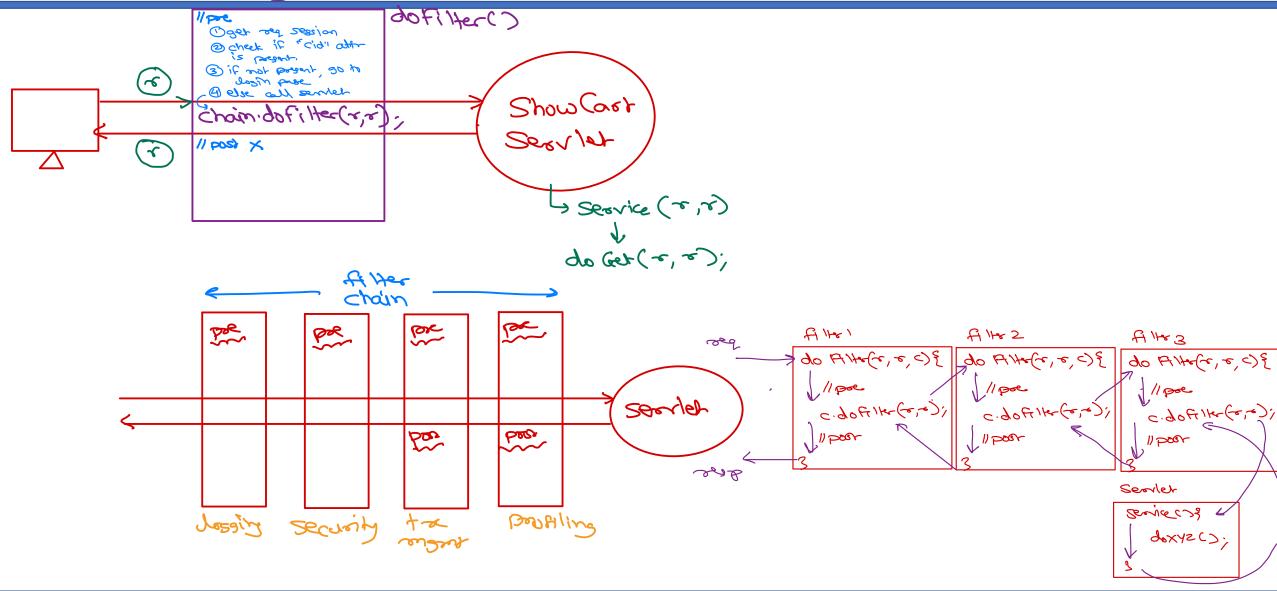
ASPect Objected Poblesion soing

- Filters is way of implementing AOP in Java EE applications. Filters are used to perform pre-processing, postprocessing or both for each request.
- Multiple filters can be executed in a chain/stack before/after handling request.
- javax.servlet.Filter interface is used to implement Filters.
 - void init(FilterConfig filterConfig);
 - void doFilter(ServletRequest req, ServletResponse resp, FilterChain chain);
 - void destroy();
- Can be configured with <u>@WebFilter</u> or in web.xml (similar to servlets).





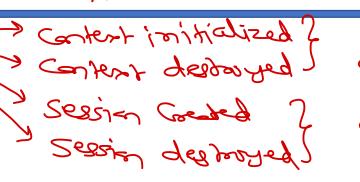
uss-pottern = /x Security Filter



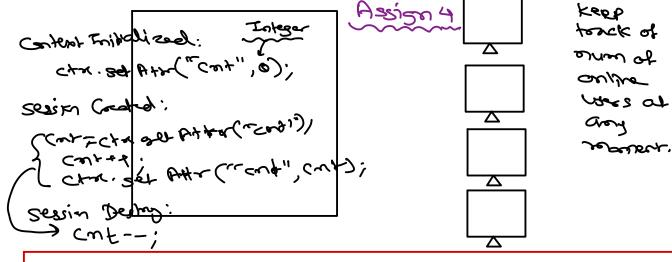


Listeners

- > server-side
- Listeners are used to handle application level events.
- There are many listener interfaces.
 - ServletContextListener ×
 - HttpSessionListener
 - ServletRequestListener
 - ServletContextAttributeListener
 - HttpSessionActivationListener
 - HttpSessionAttributeListener
 - ServletRequestAttributeListener
- Listener class must implement one or more listener interface.
- Can be configured with @WebListener or in web.xml.



attrib added
attrib served
others resoluted



- <listener>
 - listener-class>pkg.MyListener/listener-class>
- </listener>





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

