

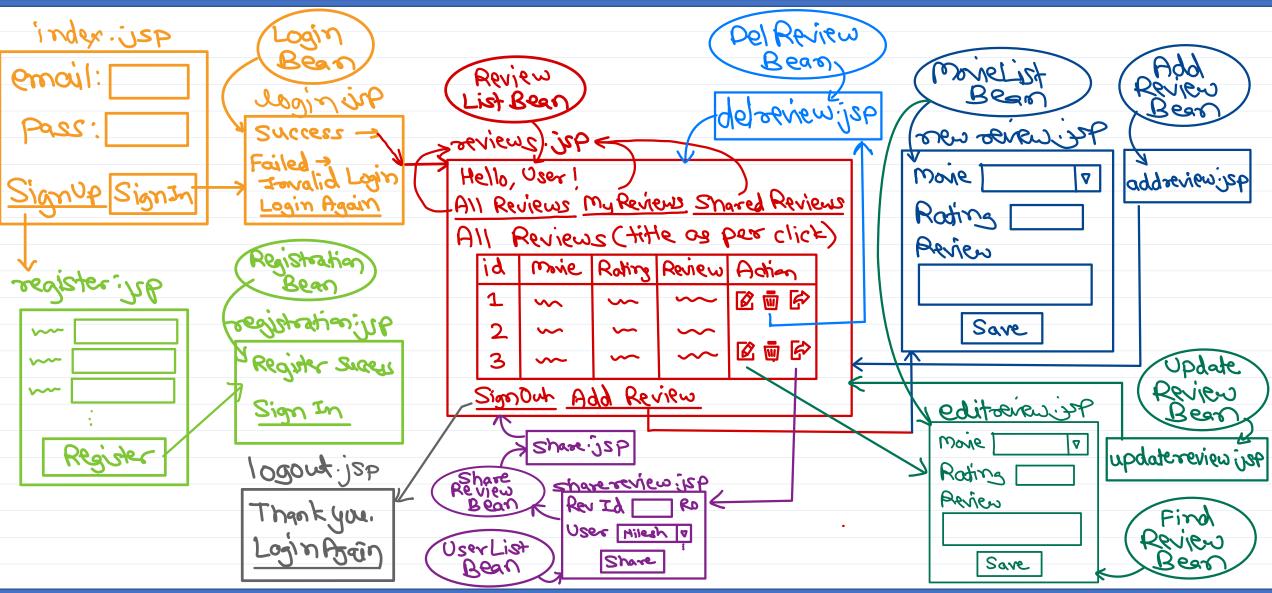


Advanced Java

Trainer: Nilesh Ghule



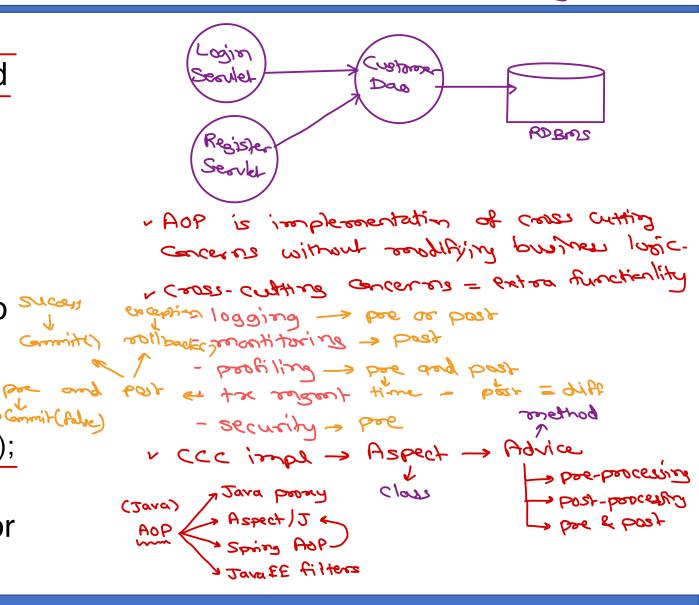
Movie Review JSP Assignment





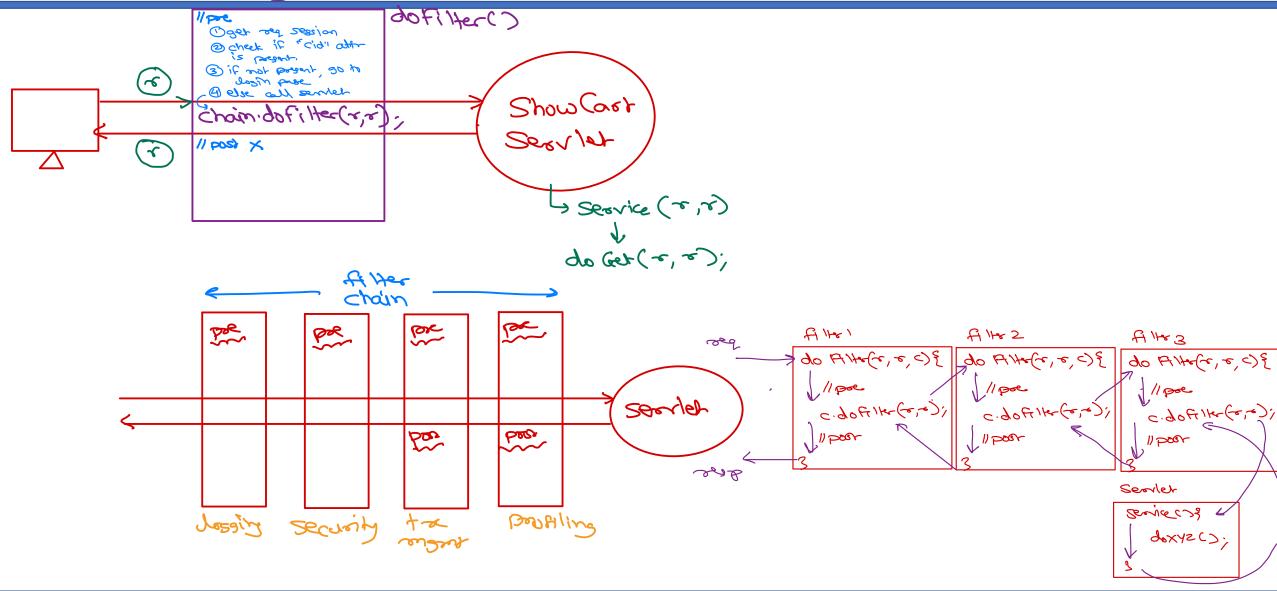
ASPect Objected Poblesion soing

- 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).





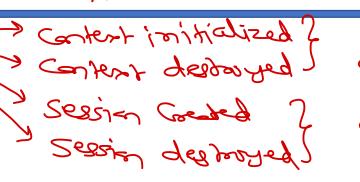
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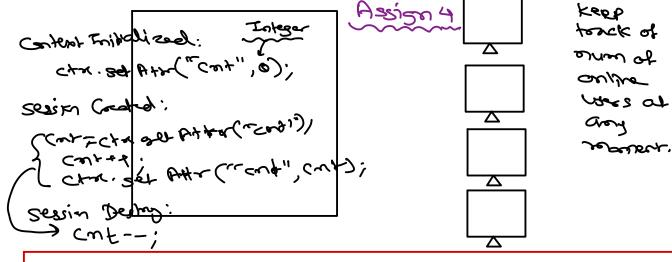


Listeners

- > 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>



JSP - Custom tags @JSTL togs > replace java code in jap scriptles.

- Custom tags are used to combine presentation logic and business logic.
- There are two types of tags
 - Classic tags: inherited from Tag interface or TagSupport class.
 - Simple tags: inherited from SimpleTag interface or SimpleTagSupport class.
- SimpleTag implementation steps < > ¬
 - Decide tag name, attributes & body type.
 - Implement tag handler class inherited from Simple TagSupport
 - Constructor (Param less)
 - Fields & getter/setter = attributes
 - setJspBody() = if there is body
 - doTag() = Logic implementation
 - Implement .tld file to define tag syntax.
 - In JSP, use <%@ taglib ... %> & tag.

- SimpleTag life cycle
 - A new tag handler instance is created each time by the container using default constructor.
 - The setJspContext() and setParent()* methods are called.
 - The setters for each attribute defined for tag.
 - If a body exists, the setJspBody() method is called.
 - The doTag() method is called.
 - The doTag() method returns and all variables are synchronized.

tig libeary descriptor





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

