Advanced Servlet Topics

Listeners

* java objects used to “subscribe” to application “events” in order to be “notified” when these events occur
* context-related events
* context initialized, context destroyed, context attribute changes
* session-related events
* session created, session destroyed, session attribute changes
* request-related events
* request initialized, request destroyed, request attribute changes

javax.servlet

* ServletContextListener, ServletContextAttributelistener
* ServletRequestListener, ServletRequestAttributeListener

javax.servlet.http

* HttpSessionListener, HttpSessionAttributeListener

Filters

* Java objects used to intercept incoming requests and outgoing responses in order to perform various tasks such as:
* Authentication and access control
  + Logging, auditing
  + Caching, data compression
  + Content Transformation
* Filter objects are mapped to the URL patterns they are intended to intercept
* Filter objects can be “chained” together

javax.servlet

* Filter, FilterChain, FilterConfig