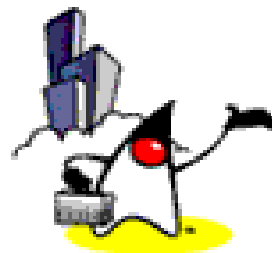


Enhancements in Servlet 2.4 (in J2EE 1.4)





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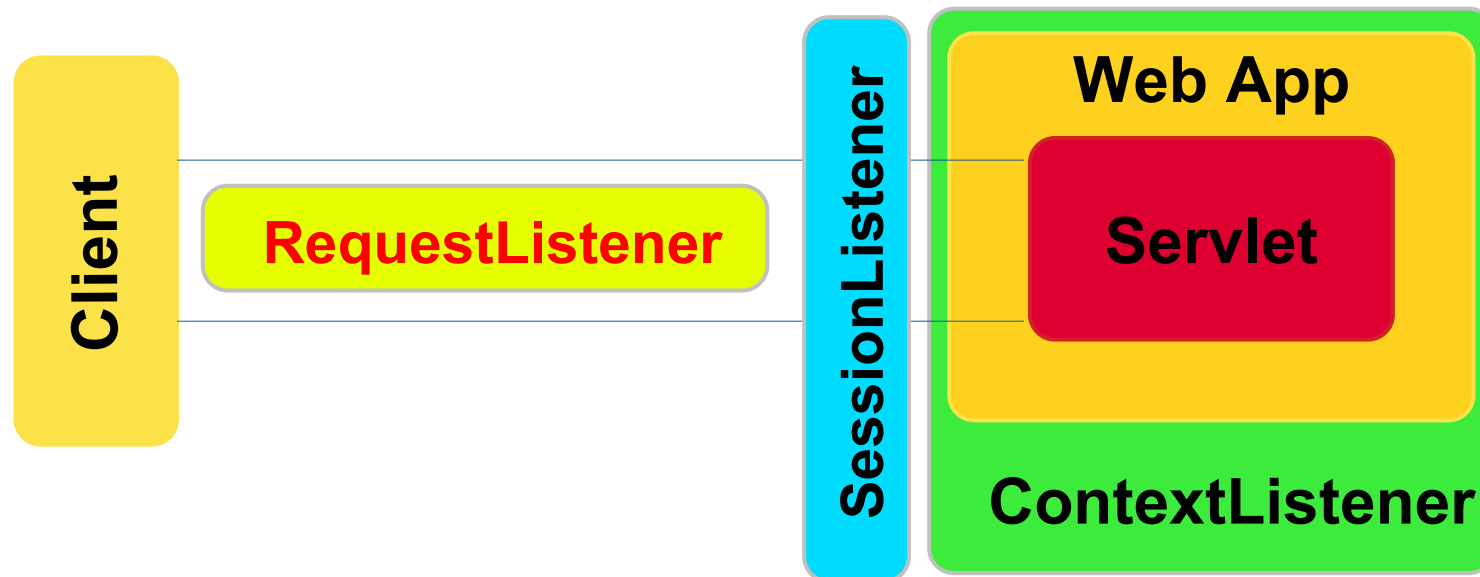
Disclaimer & Acknowledgments

- Even though Sang Shin is a full-time employees of Sun Microsystems, the contents here are created as his own personal endeavor and thus does not reflect any official stance of Sun Microsystems.
- Sun Microsystems is not responsible for any inaccuracies in the contents.
- Acknowledgements
 - Many slides are borrowed from “Servlet 2.4 and JSP 2.0 specification” JavaOne 2003 presentation by [Mark Roth](#) of Sun Microsystems

Revision History

- 10/13/2003: version 1: created by Sang Shin
- Things to do

- Complete the event notification model
 - ServletRequestListener
 - ServletRequestAttributeListener



■ Invoke Filter under RequestDispatcher

```
<filter-mapping>  
  <filter-name>DispatcherFilter</filter-name>  
  <url-pattern>/products/*</url-pattern>  
  <dispatcher>FORWARD</dispatcher>  
  <dispatcher>REQUEST</dispatcher>  
</filter-mapping>
```

■ Could be

- REQUEST, FORWARD, INCLUDE, ERROR or any combination of them

SingleThreadModel **Deprecated**

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- Interface SingleThreadModel
 - Confusing
 - Does not solve thread safety issue completely
 - Session attribute
 - Static variable
- Recommendation
 - Avoid using an instance variable
 - Synchronize the code block

■ New elements in Deployment Descriptor

```
<locale-encoding-mapping-list>  
  <locale-encoding-mapping>  
    <locale>ja</locale>  
    <encoding>Shift_JIS</encoding>  
  </locale-encoding-mapping>  
</locale-encoding-mapping-list>
```

■ New methods in ServletResponse

■ SetCharacterEncoding()

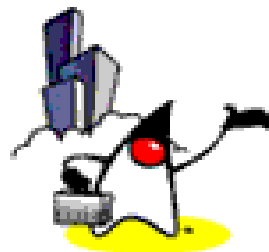
- no more `setContentType("text/html; charset=UTF-8")`

■ GetContentType()

- useful since `ContentType` now can be more dynamically set



Resources



Resources

- [1] Java Web Services Developer Pack Tutorial
 - java.sun.com/webservices/downloads/webservicespack.html
 - java.sun.com/webservices/downloads/webservicestutorial.html
- [2] More Servlets and JavaServer Pages (written by Marty Hall)



Passion!

