Introduction to Java Server Pages

Jeff Offutt & Ye Wu

http://www.ise.gmu.edu/~offutt/

SWE 432 Design and Implementation of Software for the Web

From servlets lecture Enabling Technologies - Plug-ins Scripted Pages

- <u>Scripted pages</u> look like HTML pages that happen to process business logic
- Execution is <u>server-side</u>, not client-side (like JavaScripts)
- They are HTML pages that <u>access</u> software on the server to get and process data
- Common scripted pages:
 - Allaire's Cold Fusion
 - Microsoft's Active Server Pages (ASP)
 - Java Server Pages (JSP)
- JSPs are compiled and run as servlets (very clean and efficient)
- Scripted pages are generally <u>easier</u> to <u>develop</u>, <u>deploy</u>, and <u>modify</u>

11/12/2007

2

















































Installing JSPs on Our Server

It turns out to be subtle to get JSPs to interface with Java Beans

- A JSP is converted to a Java servlet, which is then compiled by the servlet engine
- Therefore the bean has to be in a directory that is in the Java CLASSPATH of the servlet engine
- On our server, the Java servlet engine CLASSPATH includes the directory where we put servlets: /apps/tomcat/swe432/WEB-INF/classes/

© Offutt

• We all have write permissions there

11/12/2007



