JSP Servlets Essentials 2013

INTRODUCTION

JAVASEVER PAGE VS SERLET

JAVASERVER PAGE

HTML Page with Java in it
- JSP
  - Compiles JSP TAGS, then appends HTML
- HTML + Java
  - JAVA code is compiled first, then added to HTML
- URL request
  - Browser request
  - URL can send parameters in to influence functionality
- Compile and run
  - JSP run through compiler, then run in place of tags
  - can be compiled ahead of time to speed up response
- output is HTML

2 ways to look at it
- HTML page with excutable Java code embedded
- JAVA cgi that produces HTML
  - HTML is hard coded in the JSP file

- JSP is compiled into a Servlet, then it executes with HTML
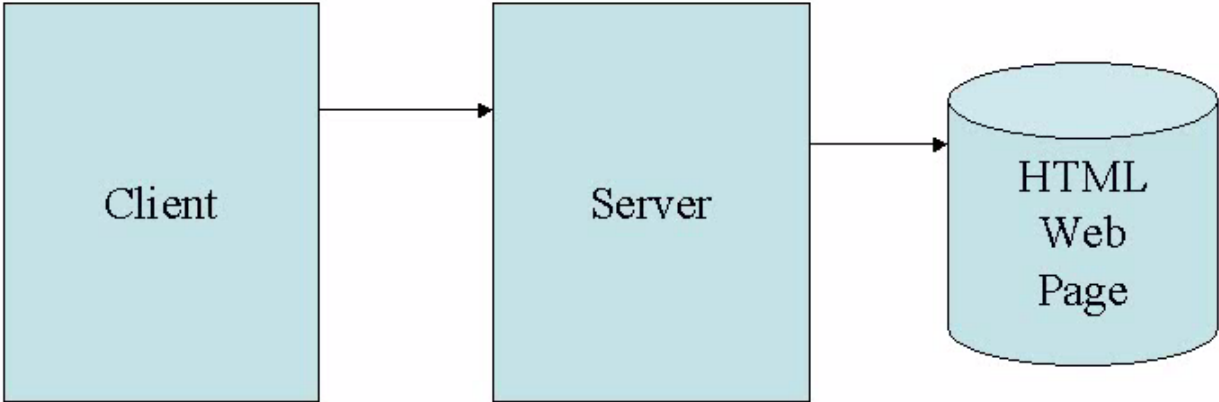
SERVLET

Java class with HTML in it
- Servlet is a Special **Java Class** that outputs HTML
- No native HTML on its own, all of it is generated from the Java .class

- HTML
- Java + HTML
- servlet class on Web site
- URL request
- output is HTML

THE CONTAINER

STATIC WEB PAGE

Client → Server → HTML Web Page

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