JSP – JavaServer Pages

* Is a technology that helps software developers create dynamically generated web pages based on any browser language such as HTML and XML
* Released in 1999 by Sun Microsystems
* JSP was released as an alternative to Microsoft’s Active Server Page (ASP)
* JSP is the same with PHP and ASP but it uses a Java programming language
* The recommended file extension for JSP is **.jsp**

JSP Environment

A development environment is where you would develop your JSP programs, test and eventually run them. One available web server that supports JSP is Tomcat which widely available to the market.

Apache Tomcat

* Commonly referred as Tomcat Server
* It is an open source implementation of the JavaServlet, JavaServer Pages, Java WebSocket and Java Expression Language technologies which are developed under the Java Community Process

JSP Elements

Directives of the form <%@ … %>

Import java pacakages

Example : <%@ page import = “java.util.\*” %>

Scripting elements

Expressions of the form <%= expr %>

Example: <%= new java.util.Date() %>

The example displays the Date for today

Scriptlets of the form <% code %>

Example: <% String name = request.getParamater(‘’name”);

if(name == null)

{ %>

<h3> Please supply your name </h3>

<% }

Else

{ %>

<h3> Hello <%= name %>

<% } %>

From the example above, one expression element is used and 3 scriptlets elements.

Declarations of the form <%! Code %>

Example: <%!

Private int toInt(String s)

{

Return Integer.parseInt(s);

}

%>

JSP Comments <%-- … --%>

Example: <%-- This is a comment --%>