JSP or JavaServer Pages

INTRODUCTION

JSP is a technology that was based on a famous language, Java, and enables every development of websites which are dynamic and not static. Sun Microsystems was the one who created JSP for the reason to allow development which is a server-side. JavaServer files together with HTML files which includes tags that has the java source code that will provide dynamic content.

WHY USE JSP?

JSP or JavaServer Pages is easy and will give the programmers/developers to create websites and applications in a faster way. It come from or is based from JAVA, a language that is object-oriented. IT also offers a wide platform for the development of a web.

Reasons why you must use JSP:

1. It has multi platforms
2. Its components has been reused by EJB and JavaBeans
3. Java advantages.

JSP ENVIRONMENT SET-UP

In order for you to set-up JSP, you must have the JDK. You can download it on this site <http://java.sun.com/j2se/1.3/>

For Windows: edit the AUTOEXEC.bat file with the new PATH and a new CLASS Path

For Windows NT/2000: edit the environment settings

USING JSP TAGS

1. Action Tag
2. Sciptlet Tag
3. Directive Tag
4. Expression Tag
5. Declaration Tag

Declaration Tag

Allows a developer in declaring variables or even methods.

Expression Tag

Allows a developer to embed any JAVA Expression.

Directive Tag

A JSP directive gives special information about the page to the JSP Engine.

Scriptlet Tag

This code can access any variable that has been declared.

Action Tags

- enable the use of server side javabeans

- can transfer control between pages

- bowser independent

USING JAVABEANS WITH JSP

What is a JavaBean?

A Java class with constraints like:

* Must not contain argument constructors
* Follows a naming convention for both get and set methods
* Must implement and Interface

NAMING CONVENTION

A convention that is very common with a property of mixed-cased, starting from a lower-case letter in the property name.

getName()

setName(String name)

The data from HTML can be pass straight into a JavaBean. TO do this, use <jsp:setProperty> in defining properties in JavaBeans with having names that match the names of the HTML form elements.