# Chap 8 – JSPs for Non-Programmers

* Why have JSPs for Non-Programmers?

Web-Apps division of Labor.

Most development teams have a clear division of labor. Programmers build the back-end, database access code, business objects, etc. UX Designers build the Front-end, the HTML/Web pages, possibly Javascript.

Programmers are usually better at logic , UX Designers are better at creative design, mixing colors, etc.

To help with this division of Labor, Sun has given us 3 new tags that UX Designers can build all the Web-pages for an Application.

JSPs are mostly used to display data results back to the end user. This data mostly comes from the Business Objects.

So Sun gives us these 3 new tags that UX Designers can use to display data without having to learn any Java code at all.

* 3 New JSP tags with no Java Code

New Tag to get Object out of Session

<jsp:useBean class=”Business.Account” id=”a1” scope = “session” />

New Tag to get data from one property of the Business Object

<jsp:getProperty name = “a1” property = “balance” />

New Tag to set data in one property of the Business Object

<jsp:setProperty name = “a1” property = “balance” value = ‘500.00” />

* A complete Example of a JSP for Non-Programmers

<%-----------------------------------------------

- Project : Dentist Office Project -

- Document : patientMain.jsp -

- Author : Ron Enz -

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<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%-- IMPORT class Patient from the Business package --%>

<%@page import="Business.Patient"%>

<!DOCTYPE html>

<html>

<head>

<title>Global Dentistry - Atlanta :: Patient Information</title>

</head>

<body>

<span>

<h1>Global Dentistry - Atlanta</h1>

<h3><i>Atlanta's #1 dental practice...</i></h3>

<hr>

</span>

<%-- Get the Patient object p1 out of the Session --%>

<jsp:useBean id="p1" scope="session" class="Business.Patient"/>

<h2 style="position: relative;left: 175px;">

<h1> Welcome <jsp:getProperty property="firstName" name="p1"/> </h1>

</h2>

<%-- This table displays the patient's information. --%>

<table border="1" style="position: relative;left: 175px;margin-bottom: 1em;">

<tr><th colspan="2">Contact Information</th></tr>

<tr>

<th><i>First Name: </i></th>

<td>

<%-- Display patients firstname in a tabe data tag --%>

<jsp:getProperty property="firstName" name="p1"/>

</td>

</tr>

<tr>

<th><i>Last Name: </i></th>

<td>

<jsp:getProperty property="lastName" name="p1"/>

</td>

</tr>

<tr>

<th><i>Address: </i></th>

<td>

<jsp:getProperty property="address" name="p1"/>

</td>

</tr>

<tr>

<th><i>Email: </i></th>

<td>

<jsp:getProperty property="email" name="p1"/>

</td>

</tr>

</table>

</body>

</html>

* Extra Resources

<https://www.javatpoint.com/jsp-setProperty-and-jsp-getProperty-action-tag>

<https://beginnersbook.com/2013/11/jsp-usebean-setproperty-getproperty-action-tags/>