**INFO6250 HW2**

**Part 1. Reading Assignment (JSTL – Attached)**

The JavaServer Pages Standard Tag Library (JSTL) encapsulates core functionality common to many JSP applications. Instead of mixing tags from numerous vendors in your JSP applications, JSTL allows you to employ a single, standard set of tags. This standardization allows you to deploy your applications on any JSP container supporting JSTL and makes it more likely that the implementation of the tags is optimized. JSTL has tags such as iterators and conditionals for handling flow control, tags for manipulating XML documents, internationalization tags, tags for accessing databases using SQL, and commonly used functions.

**Part 2.1. Reading Assignment (The JSP Page Directive)**

http://pdf.coreservlets.com/JSP-page-Directive.pdf (Links to an external site.)

**Part 2.2. Reading Assignment (Declarative Web Application Security)**

http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-07.pdf (Links to an external site.)

**Part 2.3. Reading Assignment (Controlling Web Application Behavior with web.xml)**

http://pdf.moreservlets.com/More-Servlets-and-JSP-Chapter-05.pdf (Links to an external site.)

**Part 3. Programming Assignment**

Create a JSP page that uses at least 3 JSTL tags from each tag library group, i.e.,3 tags from Core Tag Lib, 3 tags from Formatting Tag Lib, etc. You could use random content on the JSP page.

https://www.javatpoint.com/jstl (Links to an external site.)

**Part 4. Programming Assignment**

Read the attached CSV file using CsvJdbc Driver - http://csvjdbc.sourceforge.net (Links to an external site.)

Web Application's welcome page initially displays a FORM in a HTML page having a textbox for the user to enter the name of the CSV file. This form will be submitted to a Servlet that will read the name of the file, and connect to the CSV file using CsvJdbc. Once the connection is established, the servlet will get the data from the CSV file, print

the data on the browser (you may use an HTML table if you want). When creating a URL-pattern use the extension .xls for the servlet.

## Part 5. Programming Assignment

Read the attached Excel File using Apache POI - http://poi.apache.org/ (Links to an external site.)

Create a JSP that will read the excel file, and print the contents of the excel file to user's browser. You may use an HTML table to display the data.

Create .xls URL pattern for the JSP page in web.xml.

Once done, add Declarative Web Application Security [described in part 2.2].

## Part 6. Programming Assignment

Create a JSP to read and display user input from the following form you design in HW1-Part3. Use request.getParameter("fieldname").

## Part 7. Programming Assignment

Redo Part 6 using getParameterNames() method.

https://docs.oracle.com/javaee/7/api/javax/servlet/ServletRequest.html#getParameterNames-- (Links to an external site.)

## Part 8. Programming Assignment

Create a JSP to read and display user input from the following form you design in HW1-Part4. Use request.getParameter("fieldname").

## Part 9. Programming Assignment

Redo Part 8 using using getParameterMap() method.

https://docs.oracle.com/javaee/7/api/javax/servlet/ServletRequest.html#getParameterMap--