SWE 645: Assignment 5

Requirements:

This assignment will continue using the application you created in previous assignments, but now you publish the Search functionality as a SOAP-based web service. You will also create a separate WAR to act as the Web Service Consumer.

1. Implement the search requirement of the previous assignment using SOAP-based web service. The search should work the same as in previous assignments. In your README file, be sure to include the URL for the WSDL.
2. In addition, create a new web based client application, and deploy it as a separate WAR. This client only needs to have a search input page, and a page to display the search listing.

Note: Here is a blog on JAX-WS Web Services deployment on Tomcat that you might find useful.

http://www.java2blog.com/2013/03/jaxws-webservice-deployement-on-tomcat.html

Packaging & Naming Conventions:

Please continue to use the same naming conventions for your assignments, however, be sure to include the assignment number in the package name. The WS client war should be a separate deployment. The name should include your username, for example vdubey_ws_client.war.

Submission

Submit **all source, and binary, files necessary to run the application** and the installation and execution instructions. Please put all of the files in a **zip** file. In addition, please add a hyperlink of this homework on your homepage that you developed in first assignment. Make sure your name is on every programming artifact so we know who it belongs to even if we print it. For every source file, please include comments at the top of the program describing what the program does. Be sure to **test access and functionality** to your file before the due date.

NOTE: A late assignment carries a 10% late penalty for each week it is late. Assignments are NOT accepted after being 2 weeks late.

Grading:

The following areas will be used in the basic grading of these projects:
- Does system meet the functional requirements: 85 points
- Does the assignment run without errors: 13 points
- Comments: 2 points

Instant Point Deductions:

I reserve the right to deduct points instantly for the following reasons:
- The source, or binary, files are not included in the package.

- The readme file is not included in the package.
- The program doesn't run due to errors in the code.
- I spend more than 5 minutes trying to debug the assignment.
- I can't figure out how to use the assignment, and instructions are left out.