INLS 560 - Assignment 3: THREE TIERED APPLICATIONS

Date Assigned: Feb. 11, 2015

Completion Date: Tues. Feb 18, 2015 (midnight)

Software issues:

If you feel there are mistakes in this assignment, check the web page and Sakai for corrections, and report them to us if they have not been made.

1. Explain the advantages and disadvantages of a three-tiered architecture. Compare and contrast the differences between mixing php with html (our first approach), separating php and html with XML and XLST, Smarty Templates, and PHP Frameworks.

2. Use XML and XLST to design a three tiered architecture for the classicmodels database.

    - Create an html form that allows a user to search for customers by state. The user should be able to enter a state in a textbox and a list of customers in a table are shown. Create a php file that gets input from the html file, does the correct query, and displays the output using xml and xlst.

    - Create an html form that allows a user to enter a quantity in stock and see all products that are below that quantity. The user should enter the quantity in a textbox and a list of products in a table are shown. Create a php file that gets input from the html file, does the correct query, and displays the output using xml and xlst.

    - Create an html form that allows a user to enter a quantity in stock and see all products that are above that quantity. The user should enter the quantity in a textbox and a list of

products in a table are shown. Create a php file that gets input from the html file, does the correct query, and displays the output using xml and xlst.

For the question above, please turn in your php files.

3. Compare and contrast two PHP frameworks. You can use the ones mentioned in the lecture or search for others.

Getting Help

If you have trouble, please post a question on Piazza before contacting me. Before posing a question, please check if this question has been asked before. This will reduce post clutter and reduce our burden. Repeat questions will be ignored by the instructors.

Piazza allows anyone to respond. So if you see a question that you think you can respond to, please do so, as that will reduce our burden and help you "teach" your fellow students.

Good luck!