

Homework Assignment #5

Due Monday, November 22nd.

Write a web services layer that exposes all the functionality of your domain model from Assignment 4. It should support all the same features, and should call your domain model internally.

Just like Assignment 4, your web service should support:

- Listing all categories.
- Listing all products for a given category.
- Listing customers.
- Listing employees.
- Listing all orders.
- Placing an order.

Also, your web service should support the ability for a user (Customer or Employee) to log in to the system, and you should preserve the fact that they are logged in using SOAP Headers. Any calls made to the web service without the logged in header set (except, of course, the login method itself) should be rejected.

You will need to turn in:

- The complete source for your web service, including the domain model code.
- A console application that calls the web service, and demonstrates the login/session feature.

Criteria for success:

Your web service should support all the same methods as your domain model, and should be able to deal properly with logged in vs. un-logged in sessions.

Please zip up the project files and mail the completed assignment to webservices@cauldwell.net with a subject line beginning with **[WSA - assignment 5]**.

The Database:

