

Homework Assignment #6

Due Monday, November 29th.

Write a web service that uses a SOAP Extension to compress all outgoing data with BZip2 compression, and decompresses incoming data with same. (See <http://icsharpcode.net/OpenSource/SharpZipLib/Default.aspx> for a C# implementation of Bzip2.) You will also need to write a client application that uses that same SOAP Extension to compress/decompress messages to and from your web service.

You will need to turn in:

- The Web Service with compressing SOAP extension.
- A console client that also supports compression, and can call the method(s) of your web service successfully.

Criteria for success:

Data must be compressed on the wire (the contents of the soap:Body element specifically) and interpreted correctly (uncompressed) at both the client and server side.

Please zip up the project files and mail the completed assignment to webservices@cauldwell.net with a subject line beginning with **[WSA - assignment 6]**.

The Database:

