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9/30/2014
HW3

1. What is the difference between SOAP and REST for programmers? Give an explanation, then an example of a SOAP call and a REST call.

REST is used for accessing a resource or data, and SOAP is used for performing an actual operation. So, an example of a REST call would be viewing a variable, because it accesses data resources. An example of SOAP would be switching users or doing addition, because it actually performs an operation.

2. Which of the following data formats do SOAP and REST support – XML, JSON, plain text?

SOAP only supports XML, whereas REST supports JSON, and several other formats.

3. Give an example of when you would choose SOAP over REST and explain why.

I would use SOAP for more secure operations. This is because SOAP allows the use of both SSL and WS-Security.

4. Give an example of when you would choose REST over SOAP and explain why.

I would use REST for any web application, because the whole of the web is based on REST style architecture.