Reading Assignment 1

Overview
This assignment is designed to enhance your breadth of knowledge in Web Services and Pervasive Computing. You are to pick two different papers or standards and provide a critical analysis of each of the technologies. One paper must be related to pervasive computing and one paper must be related to web services (it is recommended you pick two papers you aren’t already familiar with). Your analysis is due by Thursday, February 20th, 2003 at 11:59:59pm and must be submitted via the electronic drop box on courseinfo.

Contents of the Analysis
Your analysis should be long enough to cover the basics of the technology, but short enough to keep things interesting. Each one should be between 500 and 1000 words long. There are several key aspects you’ll want to examine:

- The papers name, author, and a URL where the paper can be retrieved from. Assignments without this cannot be graded.
- Who is the author and what is their background in the field? This does a lot to set up the tone of the paper and how well it was received.
- Where and for what purpose was the paper published? Was it for a conference? Journal? Technical Report? This usually provides a wealth of information about related work.
- What is major contribution from this paper? If it is an older paper, how much has the contribution been integrated into actual use?
- Have you experimented with the contribution? Some papers reference locations where you can download the technology and experiment with it. In your eyes does it perform as described?
- What are the potential drawbacks of this contribution? Does the author identify any particular weak points? Can you identify any weak points? What are the challenges in overcoming these drawback?
- What changes, if any, would you like to see made to the system?

Paper Ideas
These are just a few topics to get you started about technologies and systems to examine. I highly encourage you to look for other topics that are not listed here. If you’re not sure if a topic would be appropriate, email the TA (wagspat@iit.edu) and he will tell you if it’s okay or not.

Web Services
- OGSA
- WSDL
- BPEL4WS
- Project Liberty
- ebXML
- WSRP
- SAML

Pervasive Computing
- Mobile IPv4
- Mobile IPv6
- Location Awareness
- Project Oxygen (wide variety of subtopics)
- Project Aura (wide variety of subtopics)
- Access Grid
- Ad-Hoc Wireless Networks