CSCE 330 Spring 2004

Quiz 2

Assigned Thursday, 04-01-22

Here is a quote from: Lee, Edward E. "What's Ahead for Embedded Software?" *Computer*, vol.33, no.9 (September 2000), pp.18-26.

> No universal concurrent framework has yet emerged . . . To understand why, consider the *mystery* framework, a universally accepted model of sequential computation. A key part of its success is that it reduces time to a total order of discrete events, in which sequencing is sufficient for correctness. In distributed systems, maintaining such a total order is expensive, except for very small systems. Thus, in practice, events are partially ordered at best. This partial ordering makes it difficult to maintain a global notion of "system state," which is an essential part of the *mystery* framework.

Choose *mystery* from the following list:

1. functional
2. Turing
3. von Neumann
4. Zuse
5. declarative

Answer: Von Neumann.