CSCI 330 Fall 2006

QUIZ 1

Assigned Tuesday, 06-09-05

1. Is RUDE a programming language or a program development methodology? **Answer:** A program development methodology

   Is RUDE more suitable for business application development or the development of artificial intelligence programs in a research center? **Answer:** The development of artificial intelligence programs in a research center

   What does the acronym RUDE stand for? **Answer:** Run, Understand, Debug, Edit

2. Here is a quote from: Laskey, Kathryn Blackmond and Suzanne M. Mahoney. "Network Engineering for Agile Belief Network Models." *IEEE Transactions on Knowledge and Data Engineering*, vol.12, no.4 (July/August 2000), pp.487–497.

   > The literature on evaluation distinguishes between verification and validation. *Mystery1* is concerned with measuring the degree with which a system meets the specifications for which it was designed. *Mystery1* of belief network models includes evaluating factors such as correctness of algorithms, functional completeness of the knowledge base, speed of processing, and satisfaction of interface requirements with other systems. *Mystery1* should also include checking the extent to which the design, coding, and documentation of the system meet organizational standards. *Mystery2* measures the extent to which the system meets the operational needs for which it was designed. At the current stage of our own knowledge base, we have had limited opportunity to perform *mystery2*.

   Which of *mystery1* and *mystery2* is verification? Which one is validation?

   Answer: Mystery1 is verification, mystery2 is validation