CS490-004 Network Programming
Possible Quiz Questions (Quiz #6-PART II)
on October 7th, 2025

The following is a list of possible questions for our quiz on October 8th. Some of the questions will not be asked in the quiz. All the questions that will appear in the quiz will appear exactly as shown below (however, numeric parameters may be changed). The quiz is closed textbook, closed notes and closed neighbors. Note that the questions, which did not appear in this quiz, still may appear in the exams. You will find a solution for these questions during lectures.

#1: What does an acronym "SOA" stand for? What is it (SOA)?

#2: What are "services" in SOA?

#3: How do users see an information system see (from user's view)?

#4: Show an overview of an information system that built using SOA (including users, application programmers, and the SOA programmers' viewpoints)?

#5: How is SOA different from ORB? Mention the three major differences.

#6: Visualize the first difference between ORB and SOA (i.e., "no broker").

#7: Visualize the second difference between ORB and SOA (i.e., "decoupling users' view from programmers' view").

#8: Mention the SOA examples the third difference between ORB and SOA (i.e., "using standard protocols").

#9: Why not DCOM and ORB widely accepted? Mention reason(s) for each (as much as we discussed in the classroom).

#10: The ways users percept SOA and the programmers percept SOA often differs. Why?

#11: What are the typical four layers many information systems developed using SOA (especially for those logistics companies did)?

#12: What does "usability" mean in SOA? Explain it using examples.

#13: What does "flexibility" mean in SOA? Explain it using examples.

#14: Mention the names of the existing SOA products (any two).

#15: What are the three major advantages in developing information systems using SOA?

#16: What are "the pull-mode" and "the push-mode" of network application modes ("How do they work)?