ENGINEERING ONLINE

Lecture Notes

Course Number: CSC 513

Instructor: Dr. Singh

Lecture Number: 16

ENUMERATE THE MAIN THEMES OF THE CLASS SO FAR

OPEN vs CLOSED

PROPERTIES OF E-BUSINESS

GOVERNANCE vs MANAGEMENT ; BOTH ARE KINDS OF ADMIN
        └ PRESUMES   SUPERIOR - SUBORDINATE RELATIONSHIP
                "   PEER   "

IT ARCHITECTURE
    MODULARITY , COMPONENTS, CONNECTION, CONSTRAINTS PATTERN
  { THREE-TIER ARCH
  { ENTERPRISE ARCH

MSC
    TIMELINES FOR BUSINESS PARTNERS OR OTHER ENTITIES
    CAN GET UNWIELDY — NEED TO MODULARIZE
    HELP SPECIFY MESSAGE ORDER. BUT IN DISTRIBUTED SYSTEMS, ACHIEVING A
                     UNIFORM VIEW OF THE ORDER IS NOT EASY (POSSIBLE)
CONTRACTS
    BETTER THAN MSC FOR E-BUSINESS PROTOCOLS

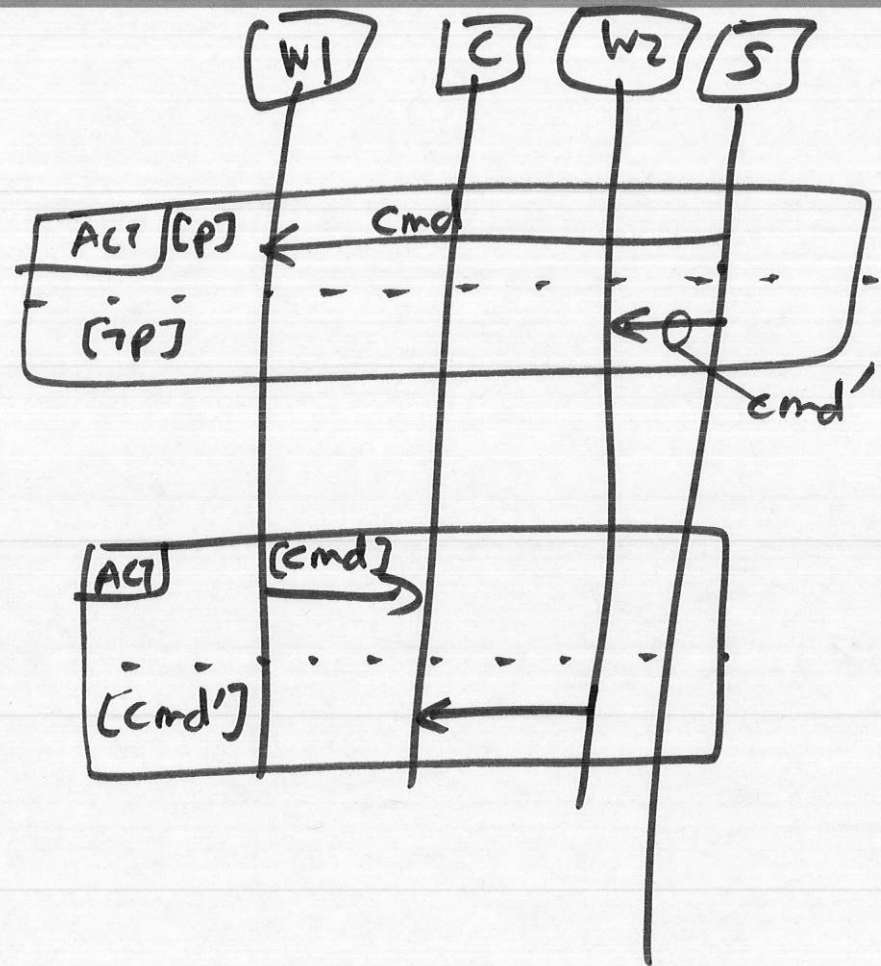   COMMITMENTS

      QOS AND OTHER CLAUSES   DIST SYSTEMS: LACK OF KNOWLEDGE
                                                   OF (REMOTE) PARTNERS
  SHOULD BE ABLE TO VERIFY   OTHER
  COMPLIANCE   (i) ORDER
  ...
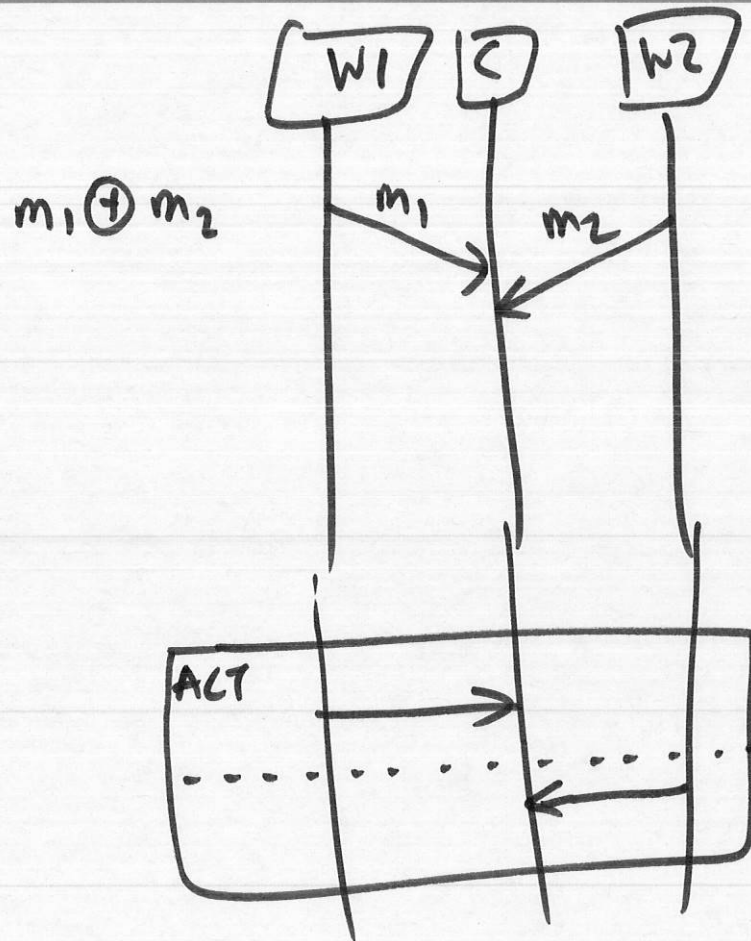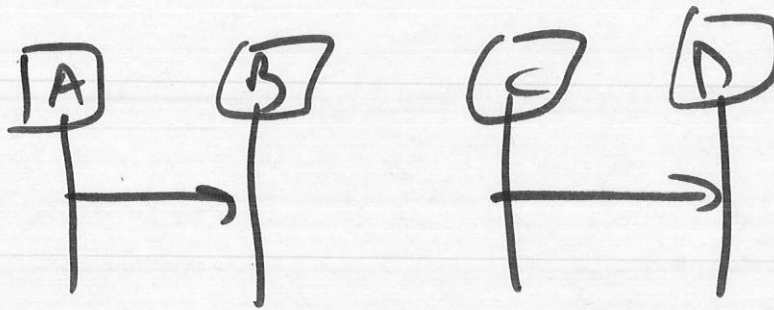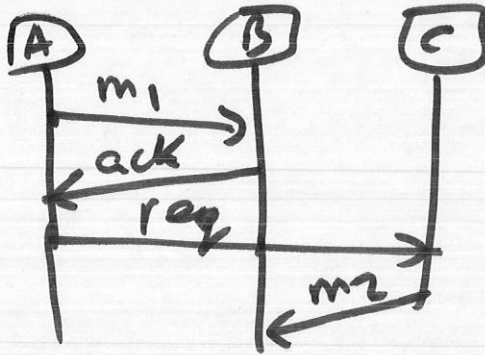   (ii) (NON) OCCURRENCE
                                                eg. EXACTLY ONE WAREHOUSE
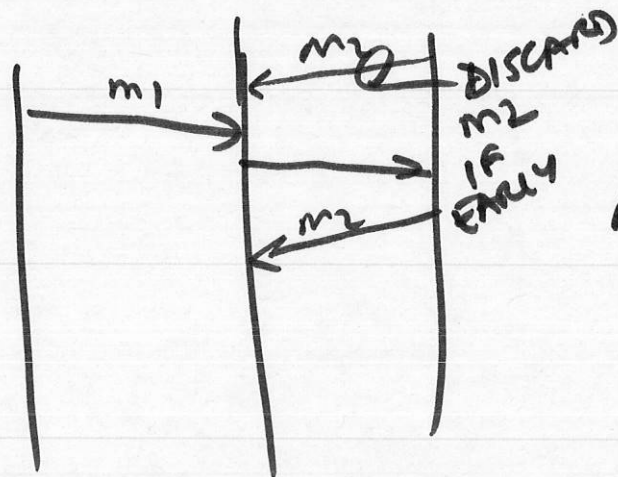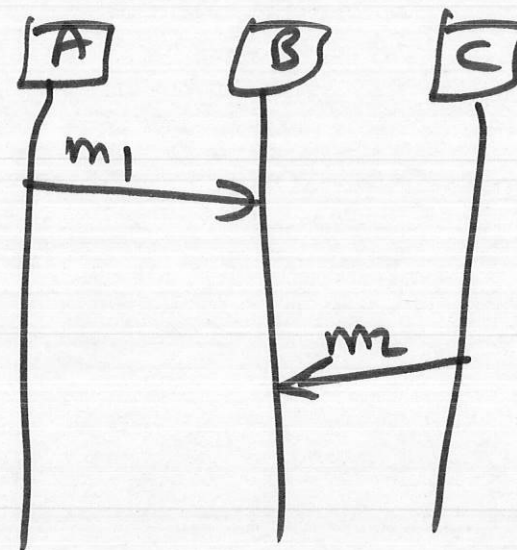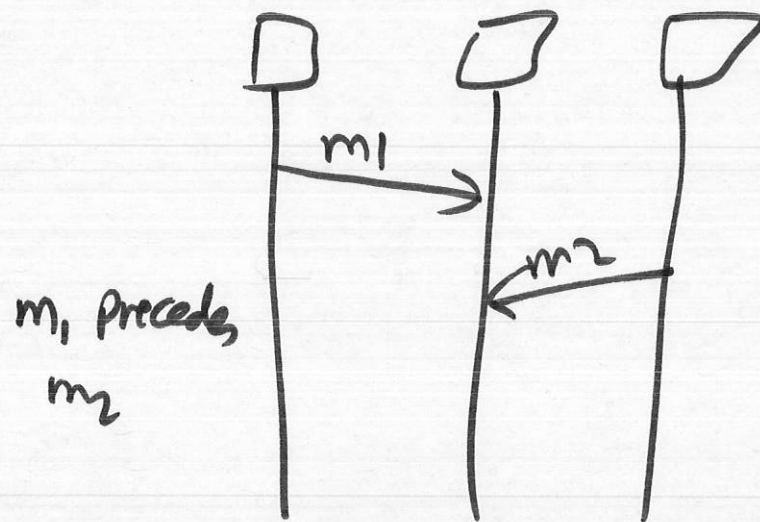   SENDS THE GOODS

$$m_1 \oplus m_2$$

CONSIDERED   A = C ek
             A = D ek

TO CAPTURE ALL POSSIBILITIES

m_1 precedes m_2

DISCARD m_2 IF EARLY

CORRECT THIS TO GUARANTEE m_1 precedes m_2