CS360 Final Exam Study Guide
Wednesday, April 6, 2016

The final exam covers the entire semester’s material: all the slides covering the sections from Valacich and the slide sets covering Units 1-11 and UML-2 including the text by Fowler (class, use case, sequence diagrams).

SDLC Terms / Concepts
Since Test 2

Report and Query Design
Support for strategic, management and operational decision-making, reports vs. queries vs. inquiries, information security and “need to know,” periodic vs. on-demand reporting, “built-in” vs. query tool support (SQL, QBE)

Process Design
Programmable vs. Transaction based user interfaces, information integration intra-system vs inter-system, “transaction model” as in database transactions (begin-end transaction and commit), manual vs. automatic process controls, vertical software vs. horizontal software, “turnkey” systems

Cost / Benefit Analysis
Progressive obsolescence: functional vs. operational, opportunity costs, cost estimation for “Request for bids” and “Request for Proposals,” fitness for purpose, project contracts, new system “Pay back” vs. “Pay off,” design reviews

Review the two prior Study Guides as well!
The prior two exams are excellent sources for study material for the final exam.

Test #3 “final” (weeks 1-14)
Sec. 002 -
Monday 1:30 - 3:30, 5/9/2016

object modeling with UML
Be prepared to answer any and all questions concerning object oriented concepts as found on the previous exams. Be particularly attentive to the OO ontology.

Be prepared to read and interpret UML class, use case and/or sequence diagrams accompanying text model part descriptions.

Be prepared to WRITE appropriate UML documentation with diagrams and prose descriptions given a problem statement(s) on the final exam.

The test will consist of a combination of any or all of the following: matching of terms and definitions, true / false questions, multiple-choice and short essays. Questions may include diagram fragments to test your knowledge of diagram syntax and meaning. Questions that require that you author UML diagrams and accompanying prose descriptions for given problem scenarios.

The test period will be divided into two segments: one for the content portion and one for the model writing portion.

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