CS372 Final Exam

CS372 Fall 2004 Mock Final Exam  Print your name here _________________________

(200 points maximum, 40% to total for class, 120 minutes)

You may use a calculator and a single piece of 11×8 paper with notes on both sides. No wireless communication and no computers. Put answers on the exam paper. There are 11 questions. Each is worth 25 points maximum. Attempt 8 questions only. Do your best question first. More than 8 answers will not count. List the numbers of the questions you want graded below. I will ignore questions that are not listed below:

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Question 1 (25 points). The System Development Environment
   Chapter 1: Systems, SDLC, Field Trips

Question 2 (25 Points). The Business Case
   Chapter 2. Activities, deliverables, planning,
   Toolkit 3 Financial analysis, Costs and Benefits, Cost/Benefit

Question 3 (25 Points). Requirements and Use Cases
   Chapter 3. JAD RAD, Tools, Checklists, Future, Fact-finding, Documentation
   Toolkit 5 + Handouts. Use cases

Question 3 (25 Points). Enterprise Models
   Chapter 4. ERDs, DFDs, Data Dictionaries,
   Handout. UML Activity diagrams for process description

Question 5 (25 points). Development strategies: Analysis & Design
   Chapter 5. Options: insource, acquire, outsource. Systems Requirements document, Design, prototypes,
   Coding Data.

Question 6 (25 points). Project Planning and Management
   Toolkit 4. CPM
   Handout. Planning with Activity Diagrams

Question 7 (25 points). Data Design
   Chapter 6. ERDs . Database types. Normalization. Logical and physical models
   Handout. UML Data Models & Quantification

Question 8 (25 points). Human Interfaces

Question 9 (25 points). Systems Architecture
   Chapter 8: Mainframe, client/server..., separating data, business rules, and user interface. Deliverables.
   Handout: Deployment of components onto nodes

Question 10 (25 points). Systems Operations
   Chapter 10: User Support, 4 kinds of Maintenance, Managing Maintenance, Performance, Obsolescence

Question 11 (25 points). Systems Implementation
   Chapter 9: SQA, Testing, Documentation, Training, Changeover, Postmortem and final report