IS 6833 — Spring, 2004
Final Exam

Answer all questions below. Answer clearly and neatly in typewritten (word processed) form. If I cannot read your answer or understand your grammar, or if you provide multiple answers, the answer will be wrong. Question 1 should be provided as a website (provide only the appropriate url).

You may have notes, books or other reference materials that you desire. However, you must do the exam alone. If you do work together on the exam, or if you copy the answer from someone or if you discuss possible answers, this will result in a grade of zero (0) for all parties involved. Be specific and direct in your answer. If you have questions about the intent, meaning or purpose of the question -- ASK. Turn in the complete exam in order, stapled in the upper left corner. These are due to me by Monday, May 10 at 7:30 pm. I will be available, especially by email, for questions.

1. (36 points) Create a table in Oracle that includes a student’s name, id number, major, current gpa, number of hours completed and number of “honor points” earned. (Note “honor points” refers to the sum of points associated with the grades in classes completed; each class for which someone gets an A gets 4 points, etc.)

Create a web-based system (using javascript and html) that will:
   a. Allow a student to enter his or her data into the table
   b. Compute the average GPA for students in his or her major
   c. Display the average GPA for students in his or her major both with and without the new data considered

Remember, I will evaluate your answer: (a) to determine if you know how to use JavaScript and (b) to determine what you have learned about decision support systems.

2. (32 points) Suppose you were designing a campaign management DSS for one of the candidates. Part of the information in such a system, clearly, involves how he is doing in the polls. Consider the information available on the “Ask Polly” website (http://politicalforecasting.com). How would you use these data in your DSS (assume they were supplied to you electronically in any form you want). Be specific in your response.

3. (32 points) We discussed “emotional design” as part of the user interface. How might you incorporate such a design strategy into a DSS. Be specific in your response (you should refer to a hypothetical, but specific DSS in your response).