CS275 Final Exam
Due: Monday, 8/13/12, 5:00pm
(Absolutely NO Extensions and NO Late Work will be accepted!!!)

This is your final exam and your OWN work. This means closed neighbor, but not closed book/notes☺ **Turn in your document using the TEACH website**.

For this final, you will write a critique on 2 out of the 3 projects below. You can interact with the website, as well as view the source code and project documentation. In your critique, please **specify the project number you are analyzing** before providing your comments.

Project 1 Website: http://engr.oregonstate.edu/~parhammj/cs275_proj1
Project 1 Documents: http://engr.oregonstate.edu/~parhammj/cs275_proj1/proj1.zip

Project 2 Website: http://engr.oregonstate.edu/~parhammj/cs275_proj2
Project 2 Documents: http://engr.oregonstate.edu/~parhammj/cs275_proj2/proj2.zip

Project 3 Website: http://engr.oregonstate.edu/~parhammj/cs275_proj3
Project 3 Documents: http://engr.oregonstate.edu/~parhammj/cs275_proj3/proj3.zip

Each project critique must contain an intelligent analysis of the following areas:

- **The project documentation**
  - **Project Description** – is it thorough with enough details, is it understandable, etc.
  - **User Requirements** – do the user requirements match the description and are there any additional requirements needed to satisfy the description, etc.
  - **ER Diagram** – does the ER diagram match the user requirements, what are possible limitations to the ER diagram, etc.
  - **Relation Schema** – do the schemas appropriately capture the entities and relationships specified in the ER diagram, do the schemas capture the integrity and participation constraints from the ER diagram, etc.
  - **Database Questions** – do the SQL queries and/or relational algebra answer the questions, are the questions appropriate based on the project description and user requirements, etc.
  - **Future Work** – does this section capture implementation details and questions from the previous sections that were not answered in the current project/website

- **The source code**
  - **Readability** – are there enough comments, indentation, useful variable names, etc.
  - **Structure** – is the source code modularized with appropriate functions, classes, html and php files, etc.
  - **Efficiency** – are the SQL queries structured efficiently, are queries being accomplished by the database or php, etc.
- **The website**
  - **Effectiveness** – does the website meet the description, user requirements, database questions, etc. from the project document
  - **Robustness** – does the website handle errors, SQL injections, etc.
  - **User Interface** – is the website creative, user-friendly, etc.

Please provide more than just a single comment for each of these areas. You are required to answer the questions in each section with more than just one line. Please do not provide statements such as, "Yes, the project description is thorough and understandable." These kinds of answers will not get you full credit. Please provide enough detail, and expand on the topics provided for you. These topics are only a guideline, and you are free to expand on any of these in as much detail as you would like. **In fact, I encourage you to expand on this guideline**

In addition, please provide a self-reflection paragraph about how this critique and review of other projects has changed the way you view your own project for this class. This should include changes or different ways you might approach your own project document, source code, and website design.