

Objective:

I require every student to demonstrate their mastery of database concepts by satisfactorily completing a project along with a satisfactory final report the work accomplished.

Assignment Delivery Dates:

Proposal:

- Due into dropbox ***Project_Proposal*** before 11pm, February 5th.
- You need to provide the following in your proposal.
 1. The topic and project objective.
 2. The specifics of the computer you are using to complete the project. In other words, convince me that you have the resources to do the task.
 3. A very specific list of deliverables (i.e. 1. A website that does X. 2. A database that does Y. 3. an application that does Z. etc.)
 4. Identify any specific help that you need from our TAs or Instructor.

February Update:

- Due into dropbox ***February_Update*** before 11pm, February 29th.
- The goal of this update is to convince me that you have made reasonable progress and that you will complete the project on time. Be clear about any potential problems which may interfere with you completing your project.
- You need to provide the following in your update. This update should be provided as a single document. You will lose points if more than one document is provided.
 1. A first draft of your final paper. Note, the intent is to give you feedback and guidance on your paper and your project. At this point, you are not graded on the quality of the writing or the quality of the content. *You are assessed only on the progress you have made and whether you submitted the assignment in the correct format and with the correct materials.*
 2. A copy of your proposal.
 3. In addition to the sections of the final paper, please provide the following in any format.
 - a. Document any problems or challenges that you are having. Be sure to identify if you need help from our TAs or Instructor.
 - b. Document where you expect to be in a month.
 - c. Document any goals of your project that have been completed.

March Update

- Due into dropbox ***March_Update*** before 11pm, March 31th.
- The goal of this update is to convince me that you have made reasonable progress and that you will complete the project on time. Be clear about any potential problems which may interfere with you completing your project.
- You need to provide the following in your update. This update should be provided as a single document. You will lose points if more than one document is provided.
 1. A second and revised draft of your final paper. Note, the intent is to give you feedback and guidance on your paper and your project. At this point, you are not graded on the quality of the writing or the quality of the content. *You are*

assessed only on the progress you have made and whether you submitted the assignment in the correct format and with the correct materials.

2. A copy of your February Update.
3. A copy of your database design.
4. In addition to the sections of the final paper, please provide the following in any format.
 - a. Document any problems or challenges that you are having. Be sure to identify if you need help from our TAs or Instructor.
 - b. Document where you expect to be in a month.
 - c. Document any goals of your project that have been completed.

Final Paper:

- The final report should be uploaded into dropbox ***Project_Final_Report*** 11pm, April 18.
- The final paper will be graded on the following.
 1. Originality of the content.
 2. Presentation (correct template, clarity of subjects, good use of charts and visuals, etc.)
 3. Quality of the content (Does the paper mastery of the lessons of the course, etc.)
Note: Please write your paper such that a novice database developer (such as your peers in the class) could easily understand it.

Final Project:

- All materials for your project except those available via web links documented in your final report must be uploaded to dropbox ***Project_Final_ProjectMaterials*** before 11pm, April 22.
- Your final project should meet the goals & deliverables documented in the proposal.
- Your grade will depend on the difficulty of the project in context of the final result.
- If your project is not limited to just writing a research paper, then the final materials for the project must include the following:
 1. Copy of all source code.
 2. A copy of any scripts used to create your database.
 3. A visual design of your database.
 4. A short walkthrough of your project (consider a presentation which contains screen captures).

WARNINGS:

1. *I expect all work and reports to be of the type and quality of a student at the University of Memphis. Substandard work or unprofessional behaviors will not help your grade.*
2. YOU WILL LOOSE POINTS FOR LATE SUBMISSIONS! How much depends on the project component and the number of times you have been late.
3. All quotes should be properly referenced and documented. "Unreferenced quotes" equates to "claiming the work as your own" or "cheating". Cheating results in an immediate grade of Zero (0) for this assignment.
4. I will not score highly any paper that has more than 15% of its content as work contributed by another even if that work is referenced.

Project Evaluation:

The grade will be assessed as follows: 10% from your project proposal, 10% from each update of your project, 30% from your final paper, and 40% from the final project materials. If the project is to complete a research paper, then only final paper will count for 70% of the grade.

Format of all UPDATES AND FINAL REPORT:

I require that all papers be written using the standard template provided by Lecture Notes in Computer Science. You can download the template by navigating to the following URL: http://www.springer.com/cda/content/document/cda_downloadaddocument/word.zip.

Structure of the Final Report:

The structure of the final paper should include the following sections:

Abstract: A one paragraph summary with one or two sentences for each of the remaining sections.

Introduction: This section should provide the context necessary to understand the goals of your project. One approach is to discuss the problem you are trying to solve and the context in which the problem exists. This section should conclude with a description of the structure for the remainder of your paper.

Related work: This section should contain any background work already performed or developed that is not common knowledge to your audience. (For example, the World Wide Web is common knowledge but the semantic web would not be.) Please assume that one of your peers in the class would be the audience.

Design: This section should completely describe your solution to the problem. Leave the evaluation of the merits of this design for a later section. You need only describe what you did.

Analysis: This section should provide the analysis of your solution.

Note: I will accept optional sections such as "Conclusions", "Future works", and "Appendices". These sections are good candidates for bonus points.