

Handout 4: CS Capstone Presentation and Final Report*

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Project Presentation

The project presentation will be during the exam week on Tuesday, and Wednesday. Each team will give a 20 minute presentation on the current status of their project. There will then be 5 minutes for questions and answers. Then there will be five minutes for the transition to the next team presenting. Your presentation should include

- a description of the problem that the project is addressing and your motivation for that problem
- why you chose to address the problem the way you did
- a description of your solution including a UML diagram or (for the database-oriented projects) and E-R diagram
- comments on experiences during the implementation; e.g. what turned out to go smoothly, what turned out to be difficult, what revisions you had to make in your goals or implementation strategy
- your plans for what you will do on your project next semester
- a live demonstration of your project

Your presentation should use slides such as PowerPoint, LibreOffice Presentation, or Latex Beamer. You should dress professionally (nice pants and shirt; tie and coat are not needed). The quality of your presentation (content, slides, speaking style) will determine your presentation score.

Final Report

All of your writing in your final report must be written in grammatically correct English as described in the [Handbook for Technical Writers](#): If you need assistance with writing, visit the [University Writing Center](#). Your final report should be at least a 1000 word paper adhering to the following format:

- Introduction: Briefly describe the purpose of your final report.
- Problem Statement: Describe your project and why it is a relevant problem for a capstone.
- Background: Describe what work has been done in the area previously.
- Project Timeline: Your plan of attack, how did you break up the work for your project? What were the goals for each time period?
- Design and Implementation: What was the design for your project, did it change over the course of the semester? How did you implement the project? What language did you use and why?
 - Completed Project: What portion of the project was completed. Are there any limitations or bugs in the code? What worked? What did not?

*Original handout created by Mark Holliday

- Testing: Describe the testing you performed on your project. What bugs did you discover? How did you fix them?
- Future work: How could you continue this work in the future? What would you like to improve if you were to create a future version? What might you do different?
- Conclusion: Summarize the project. Write this section as if someone only read this section.

Include your presentation slides with the Final Report in a tar file. If your project source code is relatively small, then it should also be included in the tar file. If your source code is larger, then let's talk about the best way for me to handle the review of it.

The Final Report is due by 5 pm on the Friday of exam week. Submit using the instructions given to you by your instructor.

You must also have a current copy of your code on your github repository with the address of your github repository in your final report.