

COMP 453

Project Presentation and Report Guidelines

Projects may be presented online, through Adobe Connect appointments.

Projects may be videos and submitted. Many teams prefer this option, and it's a good option, allowing for editing and a smooth presentation with fewer errors.

Projects may be presented in person, by appointment.

Projects are due on Tuesday, 12/13, at 11:55 p.m.

All project presentations will be made available to the entire class.

I. What to submit

1. Upload a copy of your ppt slides and/or video file on the Assignment link on Sakai
2. Each member of the team should complete the Team Participation Index form and submit on Sakai.
3. Include a **brief** report, including
 - For each requirement listed on the project technical specifications, list:
 - The file where it can be found
 - The line number in the file
 - What that query or task (e.g., trigger, procedure, etc.) accomplishes.
 - For example, for point #7, include one simple SELECT statement, you might write:
"orderList.php, line# 32, listed the customer's orders"
 - File, line number, and description of where you used a prepared query.
 - Or, just indicate that in the previous listing.
 - How did you handle invalid logins/passwords?
 - Did you earn any bonus points?
 - Any especially difficult or complex queries, beyond the stated requirements?
 - Any client-side programming?
 - Any "cool" html5?
 - Any special or interesting web design?
 - Any especially difficult logic, error trapping, etc.?
 - ????

II. Presentation Outline

1. What is the name of your project/system?
 - The focus of this project is your database, but explain how your database is only one part of a larger system/application.
2. What is company/organization/individual for whom this project is being developed?
 - What is mission of this company?
 - What is the industry in which they do business?
3. What is the purpose and scope of this project?
 - What is the "problem" addressed by the project?

- A problem does not have to be something wrong, just some challenge to be addressed.
 - State, in one or two sentences, the overall goal of the project.
 - Will the system help to support a decision?
 - Will the system help operational efficiencies?
 - Will the system help in implementing controls in the organization?
 - Where is the boundary of the subsystem for which your DB is designed?
 - In other words, what did you decide is NOT included (out of scope)?
- 4. Who are the users of the project?
 - The users may include clerical workers as well as management.
 - Show your login page, and discuss how you implement access control.
- 5. Database Design
 - Walk through your ERD.
 - Discuss how your choice of entities, relationships, cardinalities and degrees reflect the user's information requirements.
 - Discuss any normalization issues/choices that you made in the design.
 - Only if there is something interesting. If it's straightforward, just overview.
- 6. Demonstrate the project from the user(s) perspective(s).
 - Navigate (or discuss) the project, beginning from the project's home page.
 - Demonstrate the different logins, and show an invalid login and your response.
 - Demonstrate any data validation, and so forth.
 - It's okay to have dead links, empty links, and "stubs".
- 7. You will probably find it easier to take screen shots of your data entry, validation and queries, and paste them into PPT slides. In this way, your presentation will be smoother, you won't rely upon scrolling through results or navigating through your application during your presentation. In addition, you won't have any unpleasant surprises if your server goes down or any other unanticipated issues arise.
- 8. Show us some of your code.
 - Show us the code for one of your complicated queries.
 - Show us code from something that you found challenging.
 - Show us how you implemented access control for different users.
 - Show us how you sent environment variables from file to file.
 - Get, Post, Session, Cookies
 - Anything really interesting? Really difficult? Really cool? Really extra?
- 9. Where in your project do you interact with your database?
 - CRUD: Create, Read, Update, Delete
 - Discuss any special issues related to your data that affect the project.
- 10. How does the system that you presented help to solve the "problem" being addressed?
 - Or how does it support the mission of the organization?

If you are making a video:

Please edit out unnecessary loading and waiting times, or use screen shots and ppt, just as in person.