

You must work in your assigned team for this project.

For this assignment you need to design and implement your own database. You will need to populate the database with data as well as build a user friendly web front end using PHP.

The database must have a minimum of 15 tables and must contain some binary data (image, sound, etc.). The web front-end must have a searchable text field, at least 5 predefined queries (click this button and see all products in the web store), and at least 2 free form queries (make some choices from a drop down box or put data into a text field and then hit a button to search).

The web front end needs to have the ability for users to be authenticated via some login mechanism and provide at least one web page for database administration (insert/delete/update data).

Your web front-end must be secure and cleanse any input from the user before using that input in a query.

You must use version control, either SVN or GitHub or GitLab. **CS445f17\_Group#**

### Schedule

Database Topics are due: Oct 24 (5 points)

Design Docs are due: Oct 31 (20 points)  
ER Diagram  
Web page mockup

Design Presentations – Nov 7 (5 points)

MySQL Create statements – Nov 14 (15 points)

MySQL Insert/Query statements – Nov 21 (15 points)

Web Interface Due – Dec 5 (15 points)

Final Presentations - Dec 5 (5 points)

**This is a skeleton of a schedule.** To work effectively you should be meeting with the instructor ahead of the deadlines to ensure you are on the right track and so that you can start working on the next portion of the assignment **as soon as possible**.

At the end of the semester you will have an opportunity to provide feedback to your teammates and feedback about your teammates to the instructor. The latter will be confidential and used to assign individual grades.