

CS 315

Modern Database Management

Assignment 2

Assignment 2 Requirements:

- 1- Have your first meeting with your project team (online or in person).
- 2- Decide a project topic and create a project documentation.
See below for the documentation details.
- 3- Choose a member that will be the team representative (TR).
- 4- TRs of each team should notify me via email that they will be representing their team.
TRs should also submit their team's final project documentation to D2L (Only TRs are required to submit team documents).

IMPORTANT: Things expected from TRs:

- Maintain coordination between team members.
- Maintain team's communication with the instructor.
- Arrange team meetings (at least once a week).
- Keep attendance of team members and a meeting log (brief) for each team meeting (These will be submitted along with final project files at the end of the semester).
- Submit your team's assignment / project files on time.

TRs are performing a task that is essential for the team's success.

An ideal TR has somewhat more flexible schedule compared to his / her teammates, is self-driven, and comfortable communicating with others.

This does **NOT** mean that your TR is responsible for your part of the project.

Recap:

To get credit for assignment 2, meet your team members, come up with a project topic, document it and have your TR submit it. That's all.

Final Project Documentation Details

See the *Technical Requirements* document before creating your documentation.

Your project documentation should have the following structure.

1. Project Title & Description

1. Project title should be a unique name for the application you are creating.
2. Project description should explain the goal of your application.
What makes your application useful?
What kind of problems does it solve?
Why is it cool to build this application?
Project description should be 500 words long.

Example Topic Ideas:

1. Social Media DB - Database of friends and acquaintances, etc.
2. Library DB - Search collections, check status, checkout,

3. Job postings DB - Openings, contacts, references, requirements,

Topic Ideas That Will NOT Be Accepted: Restaurant, car dealership, music store, movie theater DB.

2. ER Diagram

Use the Entity-Relationship Model for the conceptual description of your database. Your diagram should depict entities, relationships, multiplicity, etc. **Your application should have at least 4 entities.**

3. Relational Schema

1. Derive a relational database schema based on your ER diagram where each relation schema has the form:

Relation_name(attr_1, attr_2, ..., attr_n)

You should indicate both primary and foreign keys (Underline attributes that make primary and / or foreign keys).

2. Please provide a one sentence description of each table stating its purpose.

4. Technical Description

Describe which platform you will use for the client-side of your project.

You are required to use PHP-MySQL for the server-side however you are free to choose any platform for the client-side of your application.

Some example platforms are HTML5, Android, IOS, Java, etc...

Explain why you chose a certain platform.

Explain how server-side and client-side will interact.

You can also choose to deploy your app on cloud (you are required to write all the code).