

Introduction to Database Systems

Term Project: Presentation, Report, Grading and Submission

1. Introduction

The semester has passed half, we assume you had some progress on the term project. At the end of the project, you will need to submit **one presentation slide**, **one report**, and **upload your code to your github/gitlab** repository. Keep reading for details.

2. Presentation

Each team has a total of 7 minutes during presentation including **presentation** (4 min), **demo**(2 min) and **QA** (1 min). Judgement of your presentation will include contents, fluency, slides, and time control.

Presentation

You can decide the content of your presentation, but at least contain the following components.

- main idea: make sure others understand what you want to do clearly.
- dataset you use: the information of the data, and show some samples.
- database you design: try to use the conceptual data model or the ER model to tell how you use your dataset.
- function of application: briefly describe the function you implement with some figures, or you can choose to present in the demo part.
- The contribution of each team member

Demo

The purpose of the demo is to better show what your application does. So, you can choose to record a video in advance or run your application live.

3. Report

The most important part of the project is your report, each team needs to submit one report. In the report, you need to include the following points:

- Main idea (5%)
 - The purpose of your application
- Data (15%)

- Similar to what you did in the proposal, but this time we need a more complete version of description of your data
 - Tables, columns, data source, etc. your information about data should be as detail as possible
 - Draw an ER model of your schema
- Database (40%)
 - What database do you use (MySQL, SQLite, mongoDB, etc.)
 - How do you maintain your database (update data, add new data etc.)
 - Describe how you connect your database to your application as detail as possible
 - use text, graphs, tables, etc. make your explanation clear and complete
 - How does your backend process queries from applications? Do you do exception handling? What if someone does something unexpected?
 - Remember, this is the **MOST IMPORTANT** part of your project, please try to elaborate more about this part, describe all the details.
- Application (30%)
 - Describe the interface of your application
 - Describe the functions of your application (what it can do)
 - For each function of your application describe how you make it possible in detail
 - query design (including discussion on “why the query is designed like this”)
 - exception handling
- Others (10%)
 - Draw the progress of your project
 - what was the expected progress
 - the actual progress
 - What were the problems you met in the project, how did you solve them?
 - List the contribution of each team member in the project clearly
 - Provide a link to your repository
 - Provide a link to your discussion channel

You should write this report as detailed as possible, we expect **at least 6 pages** (this is just the minimum number) of reports from each team. No specific format required, but please make it reasonably easy to read.

4. Grading

The table below shows the score distribution of the project:

	Score
Proposal	20%
Presentation + demo	30%
Report	50%

5. Submission

- The deadline of the report is **6/9 (Fri.) 23:55:00**, **no late submission accepted this time**, but you can contact TAs **in advance** if you have a problem with this deadline. Notice that you should **upload** your presentation slide the day before the presentation (e.g., if you present on 6/2, you need to upload before 6/1 23:59:00) or **you will get a penalty to your score**.
- For the **report**, you only need to submit one file to New e3. The report should be named as "**Project_TeamXX.pdf**", where XX is your team number. Each team only need to submit one file.
- For your **presentation slide**, Please upload your presentation slide to the [google drive](#) and name it "**Project_Presentation_TeamXX.pdf**".
- For each wrong of naming format cause **-10** points to your score.

If there is anything you are not sure regarding submission, ask in Teams.