

8. Project Prep

CSCI 2541 Database Systems & Team Projects

Wood

The Project

A significant part of this course is a large database systems **team** project.

In the project you will design & implement a database system — Full stack development:

- Front End (HTML/CSS & optional Javascript)
- Application server – in Python with Flask
- DBMS backend – MySQL

The project will involve working in **teams** of ~3.

University Management System

You will build a web application to manage many aspects of a university

1. Application processing system (APS)
2. Course registration system (REGS)
3. Advising system (ADS)

Demo later...

Team Project: Requirements & Expectations

Project broken into 2 phases:

- Phase 1: teams build an application assigned to the team
 - Includes reports containing the design
 - Demo of the Application
- Phase 2: Work in new teams to integrate different applications and produce the final project assigned to you
 - This requires **integration** and NOT redesign

You **have** to work in teams

- Each team member required to 'produce' equitable share 'product'
- Teamwork will be assessed...
- Not all team members may get the same grade on the project!
- You must bring teamwork issues to attention of the instructor

Team Project....Warnings!

Requirements (for each Phase) will be provided, and your project must meet minimum requirements

- This only gets you a 80% - need to innovate to earn more!

You have to submit a working project

- No partial credit if your project does not work – you get a zero!



What is a working project ?

Must meet all the specifications

Must have correct and complete workflow

- Workflow specified in the assignment

“Reasonable” user interface

- Easy to use
- You have to come up with “easy to use” based on user interfaces you have seen/used.

Extra features – after you have a working system

Working in Teams

Each team works on their assigned project

Team members have to take lead on some aspect of the project

- Workload distribution is important
- Grades for team members can vary based on the project evaluation of each aspect of the “product” you produce

Every team member has to contribute to all aspects of ‘full stack’ development

- You can’t work on just HTML/CSS !!

We will be using some of the weekly class sessions (lecture or lab) for teamwork – but this is not enough to work as a team!

Warning: Team work

Team members must:

- Be respectful
- Divide work up evenly between all members
- Work on both front and backend



Team Assignment

We will allow you to form a team of **exactly 3 students** or you can be randomly assigned

Start thinking/discussing about teams ASAP