

## **Advanced Database Final Project Proposal**

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### **Introduction**

The attendance is important for the teaching quality in the University. The goal of this project is to design a roll call web application that implements sqlite and bottle.py system for college teachers. The application will allow the teacher to call the student's name, record their present status and also take some notes if the student can't attend the course for some reason.

### **System Requirements**

- 1) The system must have Python 3, bottle.py and bottle\_sqlite installed.
- 2) The system will use sqlite3 as Database for the roll information

### **Function requirement**

- 1) The project will allow teachers to add every student's information
- 2) After calling, the summary page will display the attendance summary information
- 3) The summary page will display attending information by visualization tool

### **UI design**

The web application will have three main pages. The home page will display all the student information. The call back page will display each student's information. The summary page will display the attendance summary for this course