

## CS 410 Project Progress Report

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### 1) Which tasks have been completed?

- Understanding the Existing Code of LiveDataLab
- Design database schema and data access layer of the functionalities

### 2) Which tasks are pending?

- Integrate LiveDataLab with an online text editor (frontend side)
- Implement data access layer and API (backend side)
- Cache Functionality: Make sure students can restore from the code where they left last time.
- History Functionality: Users are able to restore from each previous submission.

### 3) Are you facing any challenges?

We are learning the LiveDataLab codespace and also the tools used by the project (such as flask) as well as how the project interacts with the database. The process went smoothly and we haven't met any significant difficulties. We are going to start implementing new features starting next week.