

Project idea: Simple live Q&A tool.

Tech stack: LAMP, HTML5, CSS3, Bootstrap, jQuery, Firebase

Overview: This app aims to promote interaction between instructors and students. Students will be able to login to the platform with an access code for that particular class. They can either start a question or up vote questions that are similar to what they are asking. The top 10 questions will be shown on the student's internet browser. Instructors will be able to see the top 10 questions students are currently asking in the lecture. They can click on a question to highlight which question is being answered. Once the question has been answered, it will be removed and the top 10 list will be refreshed. TAs can login as an instructor while the lecturer is lecturing. Their role will be to moderate the content that is being put onto the platform. If it contains inappropriate contents, they can choose to delete it.

UI: Instructor interface, student interface.

Week 1:

- Set up database
- Set up frontend ui for students and instructors.

Week 2:

- Set up backend for instructors. Includes login for instructors, create new account.
- Implement create class session, delete session.
- Implement login for instructors, create new account.
- Set up backend for students. Login.
- Implement login for students with access code.
- Set up projection for projecting access code to the audience.

Week 3:

- Set up answering question functionality (Similar to projecting access code).
- Set up finished answering question functionality. (Similar to projecting access code).
- Set up create new question functionality.
- Set up upvote question functionality.
- Set up showing top 10 questions on students screen with real time updating. No page refresh required. ~~in intervals and on demand refresh.~~

Week 4:

- Set up hiding questions from admin-meeting panel and projector panel once the question has been answered.
- Add option to download all questions asked at a meeting after it has ended.
- Optimize for mobile browsers.