Speak↑
Hi-fi Prototype

Nick Akionta, Karen Gomez, Bradley Reyes, Reid Watson
“Speak↑ enables open communication between students and instructors of large lectures.”
Problem / Solution

I wish he'd move a little slower and explain the diagrams...

I wish they would give me more feedback...
Talk Overview

- Introduction
- Heuristic Evaluation Results
- Revised Design
- Revised Prototype
  - Tools Used
  - Feature Status
  - Wizard of Oz / Hardcoded Data
  - Remaining Issues
- Live Demo
Heuristic Evaluation Results (1)

There’s currently no notification of questions (sev. 4)
Heuristic Evaluation Results (2)

- Page titles / header
  - Selected class isn’t shown (sev. 3)
  - Add class page had no title (sev. 3)
  - Class list page title isn’t informative (sev. 3)
Heuristic Evaluation Results (3)

- Error prevention / recovery
  - No way to recover from accidental resolve (sev. 3)
  - No confirmation before resolve all takes effect (sev. 3)
Heuristic Evaluation Results (4)

- Removal / edits
  - Can’t remove a class you signed up for (sev. 3)
  - Can’t remove/edit a question which has been asked (sev. 3)
Revised Design (1)

- We’re now building a mobile app
- Pictured layout, colors, and icons are a work in progress
Revised Design (2)

- Buttons to remove unwanted content
- Modal confirmation dialogues for important actions
- Many, many more
Revised Design (3)

Should we notify students when a question has been asked?

Instructor answers may differ.
Hi-Fi: Tools Used

- HTML5
- CSS3
- Ruby
- Rails
- jQuery
- JavaScript
Hi-Fi: Implemented Features

- Development environment
- Basic UI setup and page structure
- Skeleton of feedback section
- Backend work in progress
Hi-Fi: Unimplemented Features

- Asking a question for the instructor to answer
- Answering a “clicker question” posed by the lecturer
- Finalizing layout, colors, icons
- Connecting backend / frontend
- Creating and inputting sample data about lectures
Hi-Fi: Wizard of Oz

As of now, we’re planning to handle all interactions with the lecturer through Wizard of Oz techniques.
Hi-Fi: Hard-Coded Data

- All course data will be hardcoded:
  - Course numbers and titles
  - Lecture times
  - Lecture occurrences
- Most input from the lecturer (clicker questions) will be hardcoded
Hi-Fi: Remaining Issues

- Translating into hi-fi platform design idioms
- Packing / deployment as a native app
Live Demo