

# HighlightUp!

A class-based PDF annotation sharing website

# Inspiration

- Most students would frequently highlight important sentences in lecture notes and homework write-up so that they won't miss important points.
- Sometimes, instructors also want to highlight important knowledge points or instructions in homework write-up for students so that students could pay enough attention to. But there isn't a really efficient way.
- Students often can learn better when they study in groups and have in-depth discussions on course material.

**Why don't we build a web application to share annotations for class files?**

# Sprint Plan

- **User management**

- Design data models for user and group
- User register and login
- User profile
- Create group and join group

- **File management**

- Design data model for file
- Navigate file
- File uploading and file delete
- File display

- **Annotation management**

- Design data model for annotation
- Add a note to a PDF file
- Show all the notes related to a PDF file
- Annotation sidebar
- Focus notes for clicking a comment icon in the annotation bar

# Application Display

# Problem encountered

**We took a much longer time than our expectation**

We planned to take **30** hours in total for this Sprint

Rather, we took relatively **50** hours to actual finish it

# Problem encountered

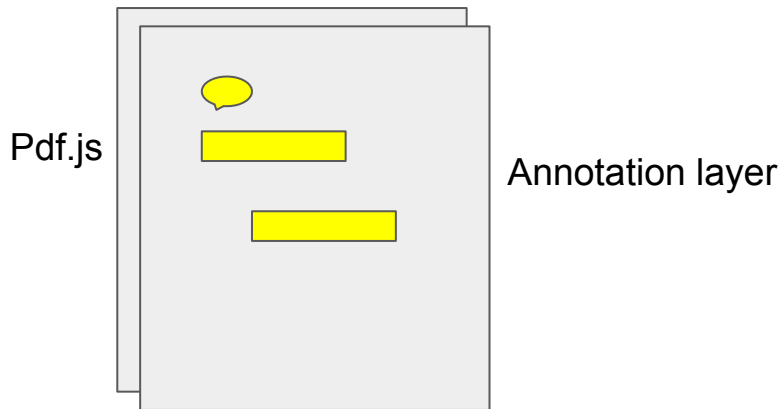
We took a much longer time than our expectation:

- Design the overall flow of the website. Need a product manager!
- Took long time to investigate and learn javascript libraries (pdf.js, JCanvas.js)

# Problem encountered

## Pdf.js

- First plan to use iframe (like a inner website) to directly display the viewer provided in pdf.js. Lose control of the viewer and hard to manipulate.
- Now, we give up the viewer and directly use Pdf.js to display pdf.



# Next Sprint

1. Support highlight text
2. Support note filtering
  - a. Based on user- type
  - b. Based on publicity of note
  - c. (Possibly) Search by keyword
3. Add user interaction
  - a. Comment note
  - b. Add a question that needs an answer
  - c. Vote for good note