

HighlightUp!

A class-based PDF annotation sharing web application

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.
- 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 (Finished)

- **User management**

- Allow user to join class based on class number
- Alert user when user choose to drop a class
- Allow the instructor in a class to nominate other users as instructor

- **File management**

- File size should be adjusted according to the size of window
- Pop up an alert window when user choose to delete a file

- **Annotation management**

- Allow user to add highlight of text to pdf file
- Allow user to choose whether to add an annotation as a note or a question
- User can choose the annotation to be public or private

- **User Interaction**

- User should be able to answer questions raised by other user
- User should be able to add comments to notes
- All posts should be distinguishable whether it is from a student or from an instructor
- All comment for a note will be hidden by default and user can click to expand them

- **Web Deployment**

Sprint Plan (Unfinished)

- **Annotation management**
 - Allow user to edit his own annotation
 - Allow user to delete his own annotation, with an alert before action
- **User Interaction**
 - User should be able to vote for good note

Application Display

<https://pure-shore-81662.herokuapp.com/>

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 **60** hours, and still left some features unfinished

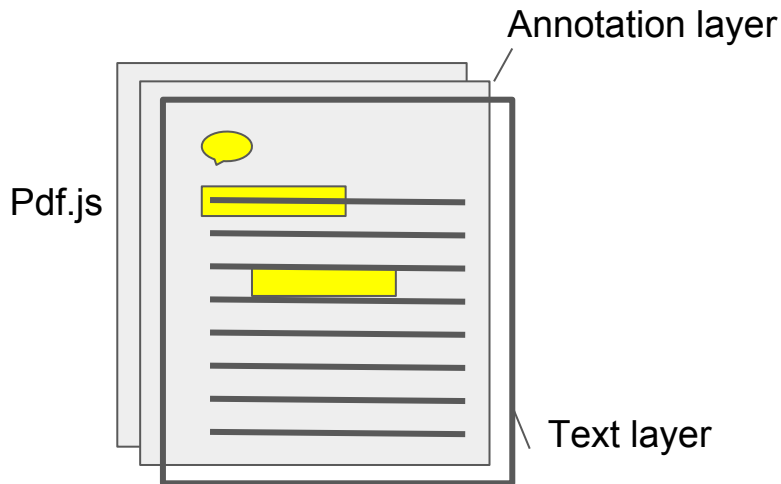
Problem encountered

We took a much longer time than our expectation:

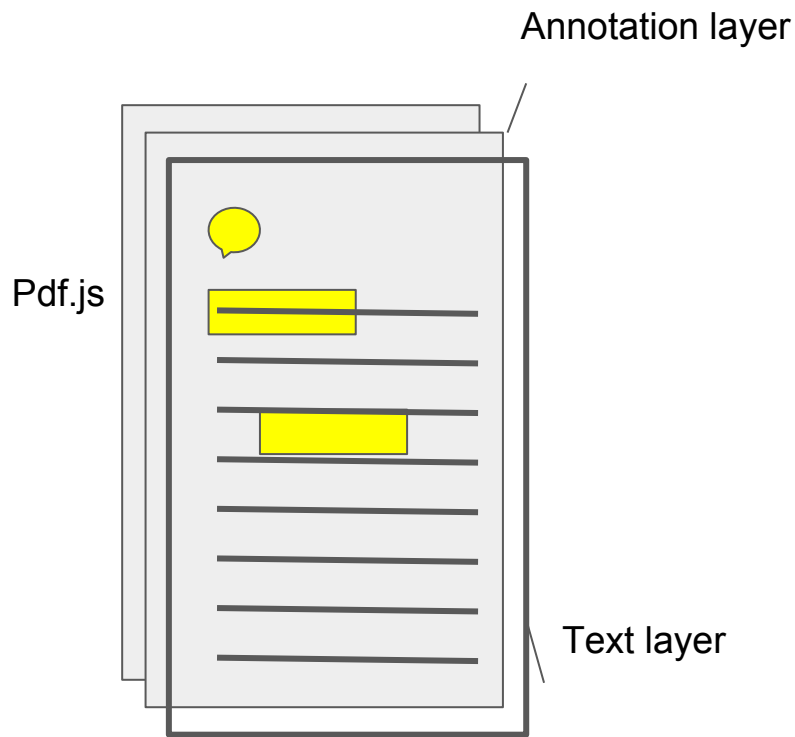
- Learn and design adding highlights on pdf
- Fulfilling some fancy design (Time consuming but worth it!)

Trigger event in both layers

- People tend to select text when browse files while do nothing
- Want to trigger the event of focusing note when clicking highlights and icons
- Project event through layers by triggering click event in same position



Add highlight



<div>-----</div>

<div>-----</div>

<div>-----</div>

<div>----------</div>

<div>-----</div>

<div>----------</div>

<div>-----</div>

<div>-----</div>

<div>-----</div>

Next Sprint

1. Support more annotation actions
 - a. User can choose to delete his own note or question
 - b. User can edit his published annotation
2. Support note filtering
 - a. Based on user- type
 - b. Based on publicity of note
 - c. Based on vote numbers
 - d. (Possibly) Search by keyword
3. Support more user interactions
 - a. User can vote for good note
 - b. User could get different badges with more voting
4. Make sure the application work robustly
 - a. Scaling the website
 - b. Inviting people to actually use the website and give us feedback