ClassLens

Midway Milestone Presentation
CS 147 - Fall 2017

Our Team

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Value Proposition

Making downstream feedback accessible to teachers and students

Problem

Currently, there's no organized way for teachers and students to understand if and how specific course objectives are useful in downstream classes or jobs.

Solution

ClassLens is
a web-based platform for former students to give feedback on skills gained in a class and how those skills are being used in downstream classes and jobs.

Teachers can use this feedback to see how to revise their courses, and students can see whether a course is valuable for their short and long-term goals

Heuristic Evaluation Results

Heuristic Evaluation Results

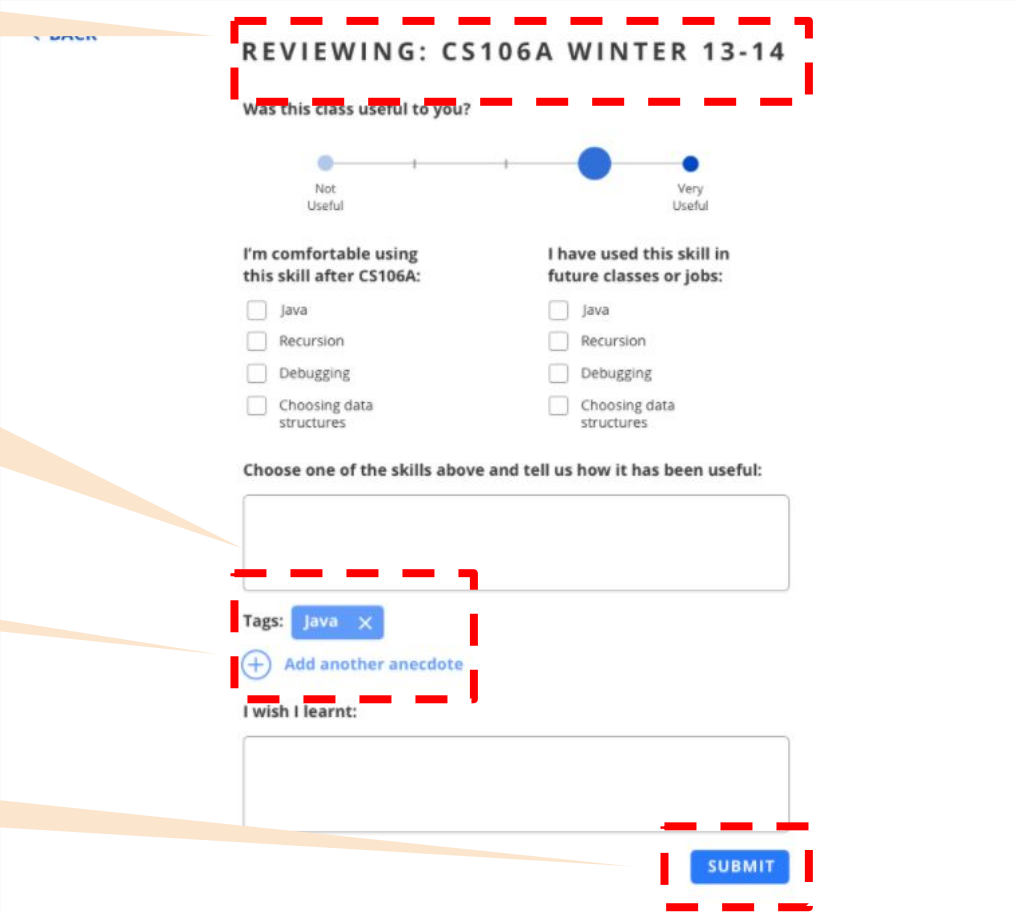
1. “Write a Review” Page

Severity 3
No Indication of Required Fields

Severity 4
Unclear that tag is about skills

Severity 4
Replace word “anecdote” - unclear

Severity 3
Clicking on submit leads to review page. No option to go back



“Write a review” page

BEFORE

Severity 3
No Indication of Required Fields

Fixed it. Marked the required fields with asterix and the text “required”

Severity 4
Unclear that tag is about skills

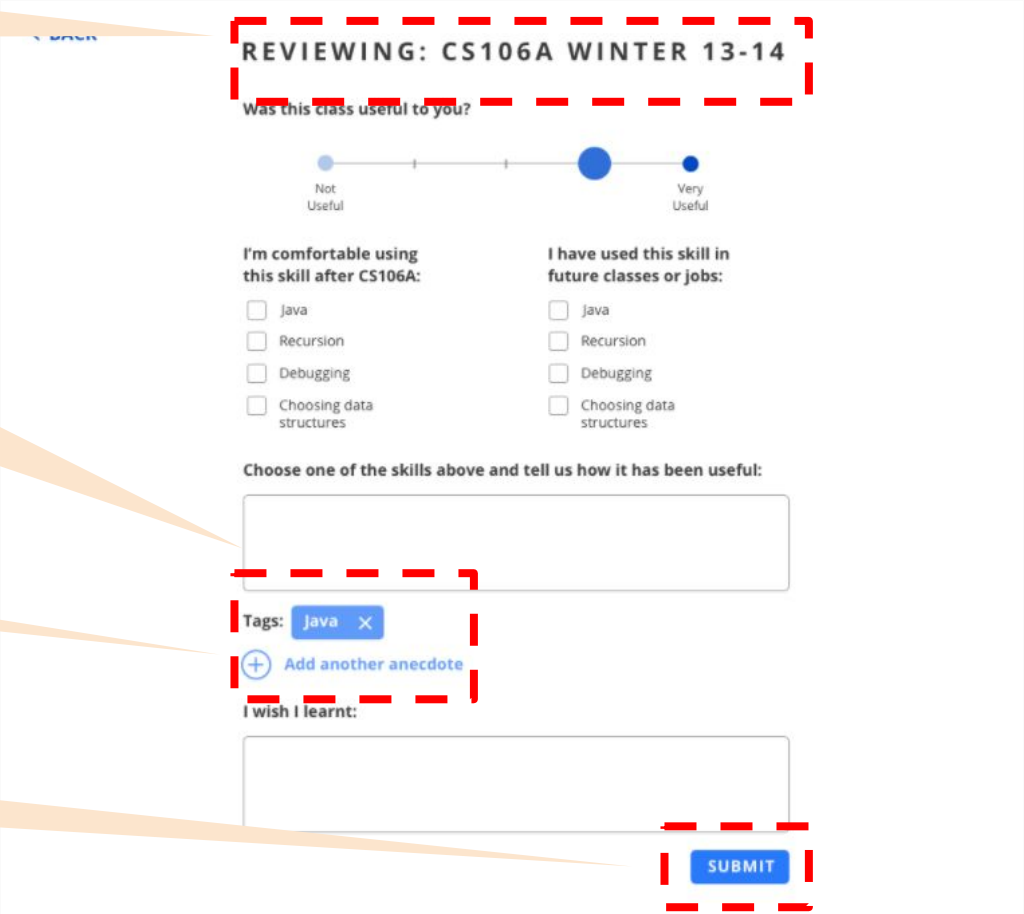
Fixed it. We rename it as “Which skills does your feedback apply to?”

Severity 4
Replace word “anecdote” - unclear

Removed - add another anecdote

Severity 3
Clicking on submit leads to review page. No option to go back

Will fix it in the hi-fi prototype. This was an issue with the medium-fi prototype tool



Changes Made - “Write a review” page

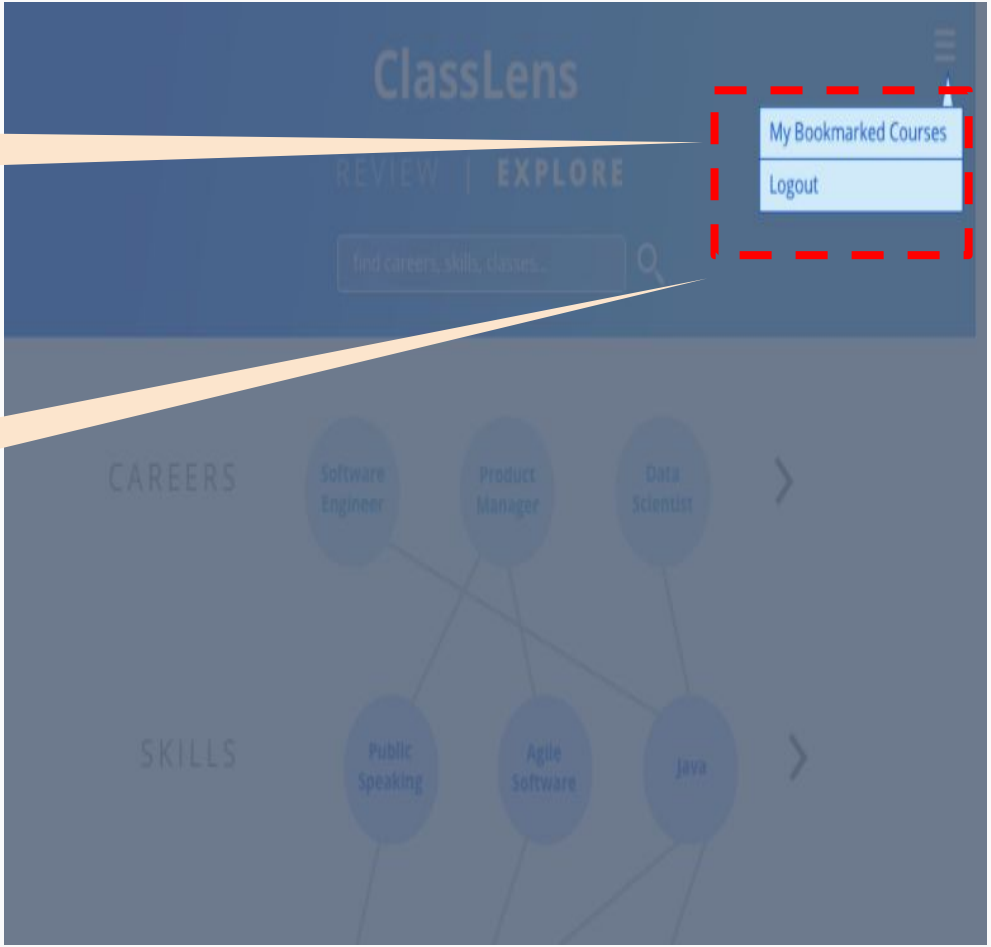
AFTER

Heuristic Evaluation Results

2. Top Right Menu Bar

Severity 3
No way to read what you have written

Severity 3
No way to set current career through a profile page



More Personalization Required

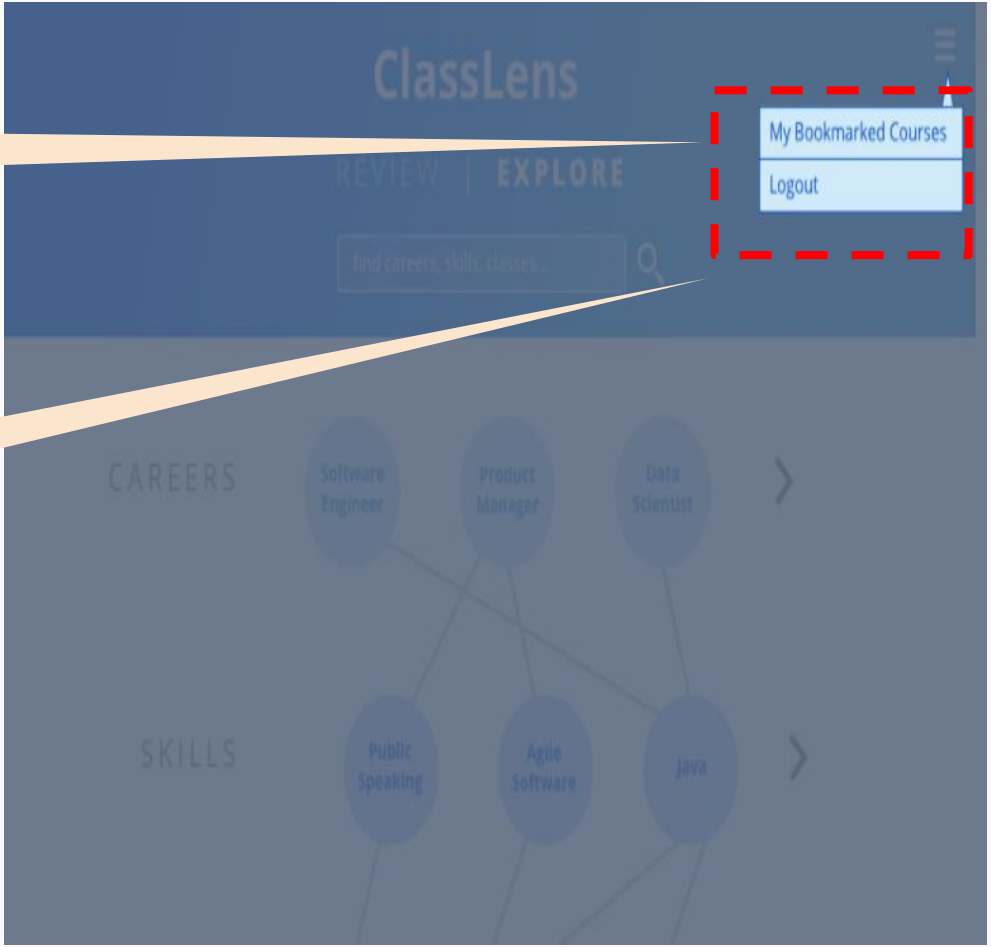
BEFORE

Severity 3
No way to read what you have written

Added a “My reviews” page

Severity 3
No way to set current career through a profile page

Added a “My Profile” page



More Personalization Required

AFTER

Heuristic Evaluation Results

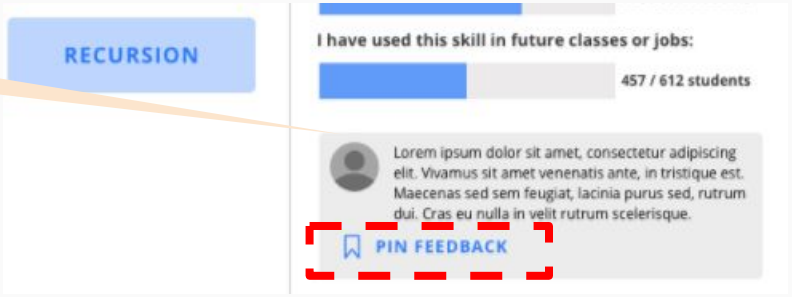
3. Pinning Feedback Action

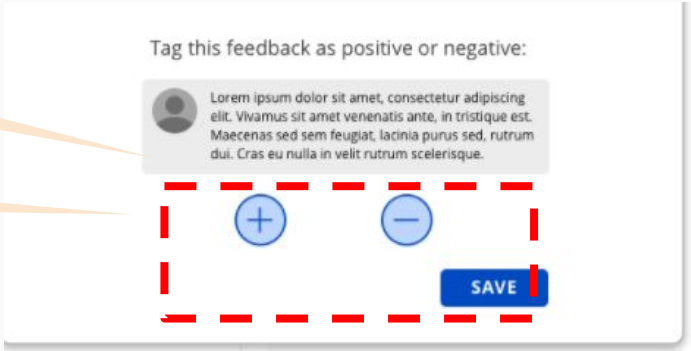
Severity 3
Status of pinned feedback doesn't change after pinning

Severity 3
+ and - button doesn't make sense

Severity 3
Feedback can be pinned without choosing a polarity

Severity 3
Cannot edit the pinned feedback list





Pinning Feedback action needs changes

BEFORE

Severity 3
Status of pinned feedback doesn't change after pinning

Resolved. Change the color of the icon and call it "Feedback Pinned"

Severity 3
+ and - button doesn't make sense

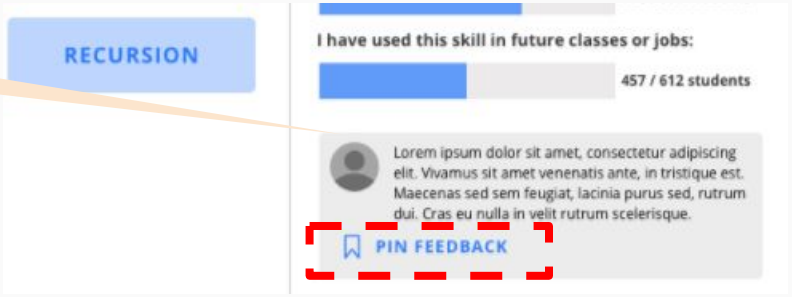
Change the positive and negative to happy, sad and neutral smileys

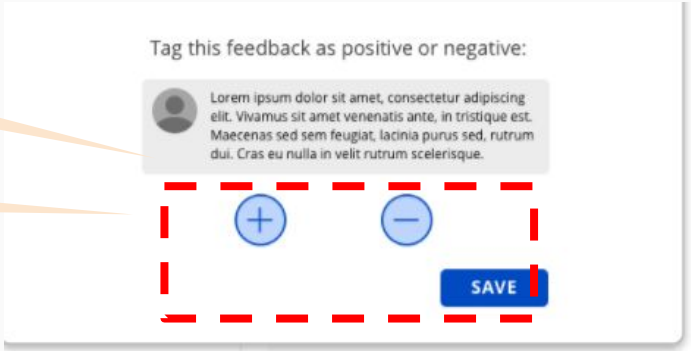
Severity 3
Feedback can be pinned without choosing a polarity

Grey out the save button until a polarity hasn't been chosen

Severity 3
Cannot edit the pinned feedback list

Add a cross sign next to each feedback to remove it





Pinning Feedback action needs changes

AFTER

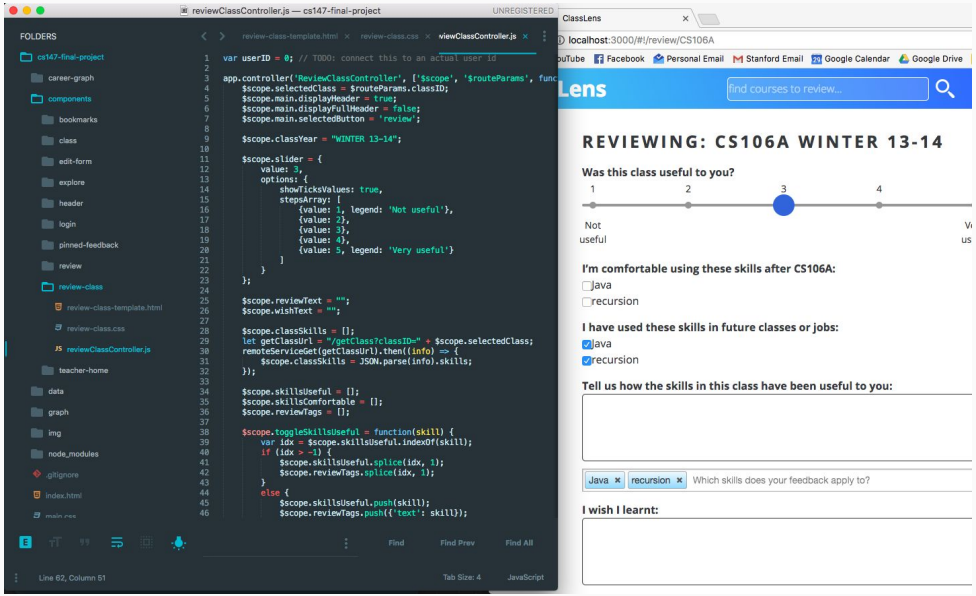
Summary of Changes

- Making the “write a review” experience easy
- Adding more personalization related features
- Making the feedback pinning interactions more familiar

Prototype Implementation Status

Tools used

- Front-end: Angular, Node.JS
- D3.js for visualizing career graph
- Backend based on dynamic JSON files

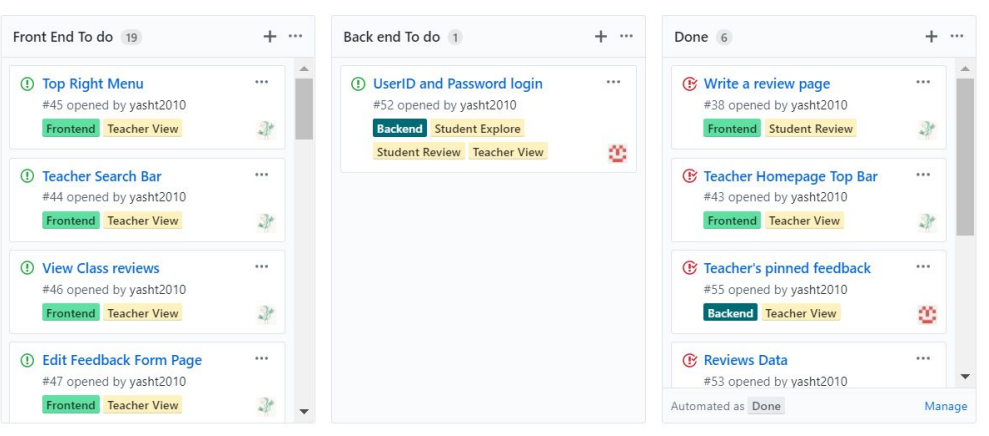


Implemented Features

- Front-end:
  - Write a review page
  - Student review homepage
  - Login page
  - Top bar component
- Back-end:
  - Reviews Data Model
  - Skill and career tags
  - Teacher’s pinned feedback

Unimplemented Features

- Front-end
  - Student explore courses task
  - Teacher view feedback task
- Back-end
  - UserID and password
  - User Profile Information



Using [GitHub Project] to keep a track of the unimplemented features

Hard Coded Data

- Importing Course Information from Explore Courses
- Skills in courses (Based on ExploreCourses Information)
- Course reviews
- Skills required for various careers based on reviewer profession

Issues in Implementation

- Implementation of Career graph on the student home page
  - Currently using D3.js for this. However, we are facing many issues in implementing it exactly according to our requirement.
  - D3 cluster layout doesn’t allow multi-parent nodes
  - *Suggestions would be welcome!*

Demo!

Summary

- Resolving all possible issues of severity 2,3 and 4 from the heuristic evaluation
- Adding additional pages related to personalized user settings - Profile page, my reviews
- On track to finish - using GitHub Projects and issues for project management

Thank you!