CSE 110 - Group 5 Pitch

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Statement of Purpose

We want to make a quick and simple note taking app that can be accessed both locally and publicly for people to organize notes and share them with other users.

As students, we take lots of lecture notes and we want to store them in a place where it is easy to access and modify them. Additionally, we want to create an open space for all students that use this app to be able to see what notes other students are taking so it's easy to collaborate with them.

The Problem (Why do we need a note-taking app)

Other existing note-taking apps - Notion, Google Docs, Notability, GoodNotes, OneNote

Existing apps' deficiencies –

- Other interfaces are confusing to use (Notion)
- Other apps require the internet to use (Google Docs, Notion)
- Other apps don't easily allow you to share your work and see other people's work (Notion, GoodNotes, OneNote, Notability)
- Other note apps take a long time to start up and get running

Problems we seek to solve-

- Local-first note taking - No wifi required, quick start up times
- Sharing notes - Easy to see other people's work, share own work
- Organization - Filter, sort, and organize existing notes

Solution (core elements)

- Application stores notes locally on the machine's filesystem

  - Users can create, read, update, and delete local notes

- Users can publish their notes to a public, read-only dashboard

  - Publishing the note may require authentication/signing in first

    - Initially, we'll just prompt the user to put their name before publishing

  - All users can view this read-only dashboard

  - Users can share their public notes for other people to see by sending a URL to them

Personas

Sally

"Undergrad Student"

- 20
- Full time student UCSD
- La Jolla, CA
- Third year CS major

Interests

Get boba

Priya Senthilkumar

Play with her dog

Priya Senthilkumar

Organize her room

Priya Senthilkumar

Bio

Sally is heading into her first upper division year at UCSD, and needs to find a more efficient way to take notes during lectures. Her professor does not record lectures, so she needs a way to keep up with the professor. She wants to easily create notes in class and be able to quickly save, delete, and store her notes somewhere.

Needs and expectations

Create notes easily during class without internet

Priya Senthilkumar

Be able to delete notes if needed in a quick manner

Priya Senthilkumar

Update her notes if she misses anything from that lecture

Priya Senthilkumar

Personas

Basic information

George
"TA Student"

- 24
- Full time grad student UCSD
- Full Stack Software Engineer @ Meta
- La Jolla, CA
- Second year CS grad & TA

Interests

Play video games

Cooking

Clean his work space

Bio

George has to balance his hectic school, work life. From deadlines of grad papers, TA discussion meetings and grading students, work meetings, and professor TA meetings. He needs a way to organize the quick notes he takes during work and school meetings, while being able to retrieve and create notes efficiently.

Needs and expectations

Create notes easily during professors meetings without internet

Be able to access notes easily from work, school, and personal

Update meeting notes if there are new changes

Personas

Mike

Manager at Restaurant

- 36
- Full time manager at BJs restaurant
- San Jose, CA
- Husband, has 2 kids

Interests

Spend time with kids

Go out to the bar

Try new food spots

Bio

Mike has been a manager at BJ's for 5 years now, and has frequently hired new servers, bussers, and other employees on a monthly basis and needs to keep track of their daily work habits, and decide who is doing their job correctly.
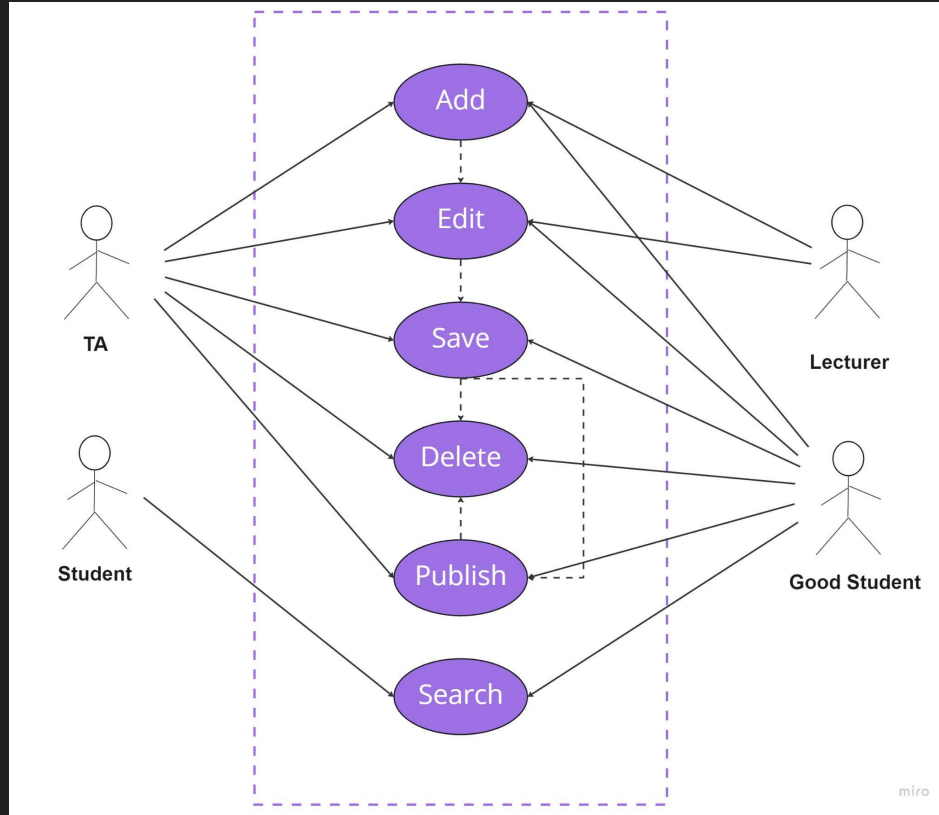
Needs and expectations
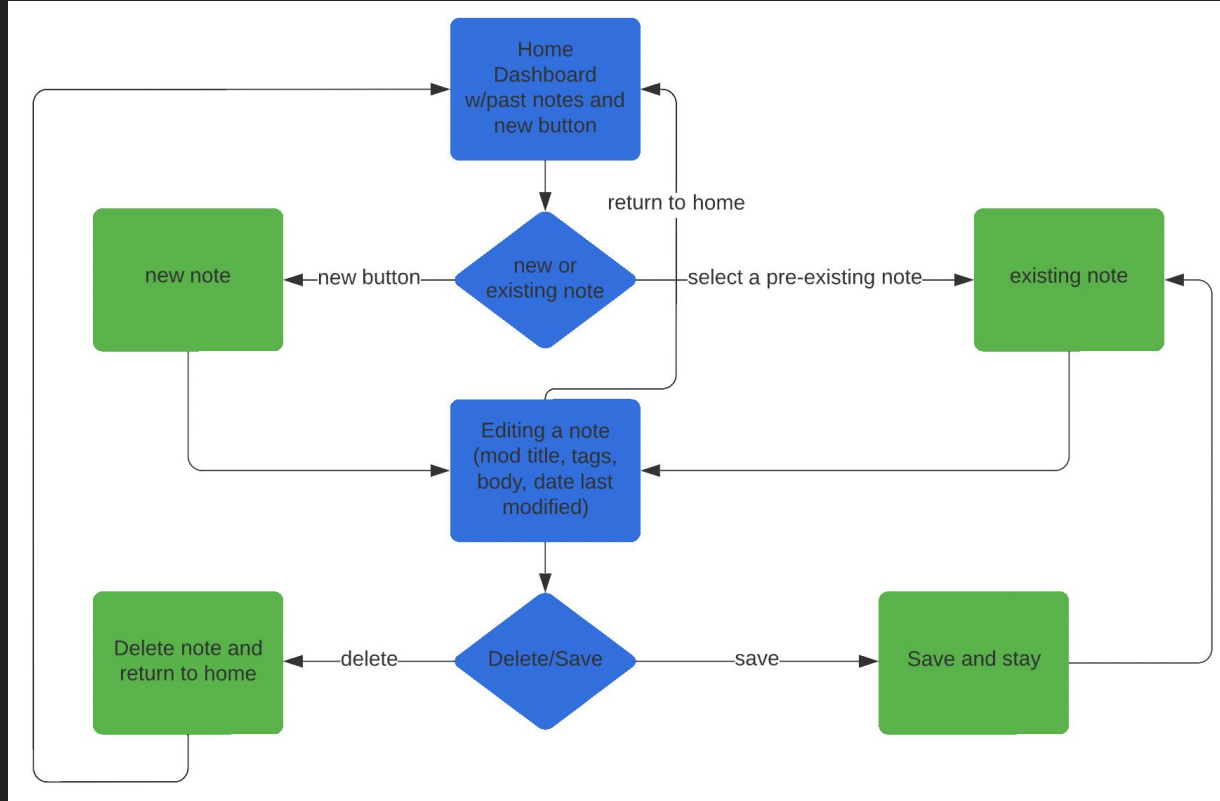
Create quick notes to monitor habits of employees

Delete notes of employees no longer here

Update behaviors of employees as needed

Use Case

System Diagram / Flow Chart

Wireframe | Main Dashboard

Dashboard

[+ New]

Title	Last Modified
Lecture 1	October 26, 2022
Lecture 2	October 24, 2022
Lecture 3	October 22, 2022
Lecture 4	October 18, 2022
Lecture 5	October 16, 2022

Wireframe | Note Editor

←

Title: Lecture Note 1

🗑 Delete this note

Last Modified: October 26th, 2022

💾 Save this note

Tags: Lecture Note

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Rabbit Holes / No-Gos

Rabbit Holes

- Focusing on database/public solution before making the local solution work
- Making search functionality more complex, custom tags that might make too much time to implement
- Focusing on color/styling that is nice but not needed for the core product
- Having to consider multiple file types/uploads (focus on .md for now)
- Having customizable labels
- Fail to consider security/corruption risks

No-Gos

- Autocorrect (not needed, browser/extensions will handle this)