Team: 209
Project: Notes App
Project Review meeting time: 3:30pm Friday Feb 3 by Mattie (10-15min in length)

Team Members:
Stephen Cao
Irene Martirosyan
Tam Nguyen
Patrick Telfer

Requirements:
- Project requirements are logged in Gitlab.
- Who are your users; do you have personas; did you interview anyone?
    - Persona 1:
    - Persona 2:
- What extra features are you considering for these users?

Analysis & Design:
- Does a layered architecture work for your features?

    Yes.
    - Presentation (Toolbar, Text Display, Notes Preview, Search Bar)
    - Business (ex: Note Class, List of Notes)
    - Persistence (Saving window size to disk, saving notes to DB, fetching notes from DB)

- Have you documented the technical impact of these requirements? Which ones are the highest risk? Do you have strategies to mitigate these? **(See Gitlab for more details)**
    - Highest risk (in terms of potential complexity)
        - Searching Notes by their content
        - Rich Text Support
        - Grouping Notes into folders
        - Shapes & Images support
    - Mitigation Strategies: Discuss multiple approaches before starting complex features. Pair Programming. Thorough unit tests.

- Which design patterns do you anticipate using? (pick 2)
    - Suggestions: Command, Memento for Undo / Redo
    - Observer will be used for the UI events most likely
    - Decorator for rich text support

Infrastructure:

- GitLab project is setup
- Source code is setup; Gradle multi-project build with a starting project.
- Unit testing framework is configured in project. (JUnit)
- CI/CD running.

Persona 1:

Personal Information:
Name: Tri Ho
Job title: Student, Software Developer
Company: 1password

Demographic information:
Age: 20
Gender: he/they
Income: < $30,000
Education: University of Waterloo, Computer Science
Location: Waterloo, Ontario
Personality: based and excitable

User Type Self described as: Power User

Goals: Taking lecture notes, quick jotting ideas, organizing notes by topic/relationship

Motivations:
Important - markdown support
- Write down notes so it can be converted to website/markdown compatibility
- Having notes connect together
- Glossary of notes
    - Options of how to organize a glossary
    - Tag notes and group together
    - date/timestamped
- like : master view of all notes
- Sometimes don't look at notes after written
- Active recall:
    - anki - flashcard app
    - Notes app could remind you to look at the notes app (useful for students)
- Don't like - nested notes in folders
- Pencil paper
- Notion
    - Didn't like nesting - too hard to find

- Notability - too bare bones
- Uses Obsidian now:
    - Graph Map of topics you've learnt
    - Limitation - no Ipad support
    - Good for typing a lot
    - Graph system is visually helpful
        - Links to old notes

Apple notes:
- For really quick notes
- Same vein as pulling out sticky note paper
- Limitation: storing is difficult, exporting to other file formats,

- Exporting to other file formats are important
    - Pdf, markdown

- Imaging in notes app:
    - Pasting class slides
    - Import pdf

Aesthetic customizability
- Wants switching between light mode/dark mode
- Paper type for the notes
- Highlighting and bolding is important
- Would like keyboard shortcuts
- Having a toolbar to access font size, bolding, etc. is important for good UX
- Important as a developer: Open source

Persona 2:

Personal Information:
Name: Palaash K
Job title: SE Student, Software Developer

Demographic information:
Age: 20
Pronouns: he/they
Income: < $30,000
Education: University of Waterloo SE
Location: Waterloo, Ontario
Personality: Batman (cool and mysterious)

User Type Self described as: Power User

Goals: Taking notes for class + writing assignments

Motivations:
- How do you currently take notes?
    - Pencil and paper
        - What challenges does i?
            - Cant copy taste similar text
            - Not being able to move items
            - Having to erase
        - Benefits?
            - Easier to revise with
                - Get to physically see the amount
            - Lower chance of losing data
            - Easier to write math stuff down
            - Write wherever you want
            - Easy to change colors
- Whats important when taking notes digitally?
    - Being able to move around
    - Easy to erase
    - Dark mode
    - easy to send to crowdmark (export)
    - Organize notes easier
        - Flexible file structure
        - Ctrl f document and note
    - Wants to have all notes in one place (unlimited pages)
    - Easy to jot down ideas
    - Can change paper (lined, grid, dotted, etc.)

App name suggestions:

Serious vibes:

1. NoteWise
2. QuickNotes
3. JotIt
4. ScribbleSnap
5. MemoMate

More fun:

1. ScribbleScribe
2. JotJungle
3. NoteNirvana
4. DoodlePad
5. ScribbleSplash

JotJungle is lowkey a top contender (facts)