January 14th, 2025, 9:00 am to 10:30 am
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Ares Miller, Nathan Hawrylak, Connor Dodds
Absent: Brendan Park (TA)

- Decided to contact TA to arrange a meeting with them to discuss our project on Thursday the 16th at 6:00 pm.
- Discussed how text and images will be pulled from written notes with snipping tool-like functionality.
- Developed requirements list for the functionalities of the application including photo submission, file type conversion, "snipping" files, multi-uploading, separating images, commenting, note creation, liking notes, plaintext conversion, image compression, a show more button, and keeping load times reasonable.
- Designated requirements as front-end or back-end.
- Discussed logistics of compression using gzip. Jackson will investigate this further.
- Decided to convert image to png python code into javascript and discussed edge case of the of the file having "." in the file name. To overcome this edge case, start reading file names from the back.
- Converted requirements into user stories for the report and covered areas missed in initial requirement run through.
- Created a Jira project to hold user stories and separate them into sprints.
- Split the requirements between members for implementation.
- Decided to wait for the meeting with the TA to finish the backlog.

End of meeting

January 17th, 2025, 1140: am to 12:00 pm
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Ares Miller, Nathan Hawrylak, Connor Dodds, Brendan Park (TA)
Absent: None

- TA went over the table of contents expectations (it's on the example release planning document we were given, it's intended to help whoever is reading the document jump between sections.)
- Reviewed our user stories/requirements with the TA, mostly to gauge roughly what is expected in the release planning. (Needs more structure/more req./stories, product backlog etc. Be as extensive as possible. Followed by sprint backlogs. While it won't be fully structured, he (Nasser) is looking that we have sprint 1 planned out and then a rough draft for the next few sprints planned out. JIRA/Github screenshots, group contributions, and so on.)
  - Template is a rough idea, but if we follow close to it we should be on the right track.
- Stuff from meeting minutes into release planning/other reports (we kind of did for the first meeting)

- Brendan mainly says we want our:
  - User Stories
  - Tasks related to user stories (start with as much as we can think of)
  - Tasks in the product backlog, that will be distributed into the sprints
    - I.e just give a "global zoomed out view" about what we're trying to do.
- Brendan talked about the importance of even adding tentative tasks, to show we were talking about other possible features
  - Also gave an example of breaking down stories: "As a user, I want to be able to upload batches of notes in bulk so that I can save time."
    - Need to be able to upload files
    - Need to be able to upload more than one file at a time
    - Need to have some sort of association between the user and uploads, etc.
- Discussed the importance of Database Management tasks
  - Not necessarily a user story, but we can add it from a user's POV.
    - I.e "As a user, I want my scans to load quickly, so that …"
- Splitting user stories into tasks could result in overlapping tasks.
- Elaborated on how we were to share our user stories/tasks and how to build them. (Brendan taught us how to branch stories into tasks on JIRA. Thanks, Brendan!)
- Discussed the breakdown of tasks for adding more user stories/expanding upon user stories.
- Release Planning Document overview for task breakdown.

End of meeting

January 21st, 2025, 9:00 am to 10:00 am
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Ares Miller, Nathan Hawrylak, Connor Dodds
Absent: Brendan Park (TA)

- Discussed the current breakdown of tasks in the sprint backlog/sprint planning for evaluation.
- We discussed the possibility of adding more features, but we are still tentative.
- Talked about which features may be more important, and thus should be implemented first within the first sprint.
- Breakdown of which developers should start on which tasks.
  - A bit more in specifics, such as what tools we think will work best, who has experience with those tools (such as NodeJS, Postgres, etc.)
- Rearranging some tasks to some later sprints, as they are non-functional/lower priority tasks.

End of meeting

January 28th, 2025, 9:00 am to 9:15 am
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Ares Miller, Nathan Hawrylak, Connor Dodds, Brendan Park (TA)

Absent: None

- Talked about progress with user stories by creating new ones and breaking them down into tasks as well as importing them into Jira.
- Ryan has finished account creation and is waiting for today's tutorial for information on testing as well as the databases for storing the created accounts.
- Talked about what we have been researching for the project.
  - Jackson has been researching possible cybersecurity elements that can be added to the project as well as some packages that could be used for image recognition.
  - Ares has been reviewing SQL formatting and standards.
  - Owen talked about what we will be using for the database (Postgres).
  - Nathan talked about his progress on text extraction for the note intake.
  - Ryan has been learning css and is hoping to create templates for the website.
  - Connor has been learning NodeJS for networking.
- Brendan asked about the time put into the UI and UX design
  - Ryan is still working on it but has decided on some colour pallets and other UI/UX elements.
- Brendan reminded us to look into testing and hopes to see some functionalities in the next meeting in 2 weeks.

End of meeting

February 4th, 2025, 9:00 am to 10:00 am
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Ares Miller, Nathan Hawrylak, Connor Dodds
Absent: Brendan Park (TA)

- Evaluating the progress made in the first sprint.
  - Comparing work done to JIRA User Stories
- Scheduling work for the next sprint, as some tasks have collaborative elements.
  - Such as a more brief version of the process flow.
  - Nathan reviewed his part of the code with us to help us understand how it works.
  - Connor reviewed the nodejs server he made and explained he had a sort of mock website/database set-up just to test server compatibility.
- Discussed having users manually review the text "pulled" from the image before submission instead of directly uploading to ensure that any issues from word recognition software do not have issues passed through.
- Discussed progress report, as well as mentioned asking the TA about it/and other files we have to supply.

End of meeting

February 11th, 2025, 9:00 am to 9:30 am
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Ares Miller, Nathan Hawrylak, Connor Dodds, Brendan Park (TA)

Absent: None

- Owen and Ares have updated the schema for the database and have it ready
- Connor has the server ready
- Nathan found a good package for the image scraping and has been refining the code for that
- Ryan and Jackson worked on the image cropping and uploading on the front end but still need to work on the finalization and submission of the notes
- Jackson has been flexing wherever he is need to help people with the highest workloads
- Nathan created a snipping tool-like feature for the front end that will run the text recognition code or save an image on the selected section of the note.
- Ryan gave a demonstration of this tool.
- Next steps are to meet as a group and merge the front and back-end.
- For error mitigation, text is editable once selected by the snipping tool.
- Struggles with larger quantities of notes due to limitations of scraper.
- Would be good to have a solution for scalability when meeting with the professor for a progress report.
- Brendan suggested having the full page scraped by default and only using the snipping tool if text and diagrams contained on one page.
- Issues since last meeting:
  - Nathan had trouble finding a package for scraping.
- TA left.
- Scheduling a time to meet to merge front and back end.
- Ares, Owen, Jackson, and Ryan will meet later today to connect the front-end, the server, and database.

End of meeting

February 11th, 2025, 4:00 pm to 6:00 pm
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Ares Miller
Absent: Nathan Hawrylak, Connor Dodds, Brendan Park (TA)

- Viewed Connor's code for the server in github.
- Decided that Owen will be hosting the server.
- Live shared the code to work collaboratively.
- Ares joined to work on the code.
- Registration page now connects to the server and database.

End of meeting

February 19th, 2025, 4:00 pm to 5:00 pm
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Nathan Hawrylak
Absent: Ares Miller, Connor Dodds, Brendan Park (TA)

- Discussed what we needed for the progress report due on the 23rd.
- Created list of contributions for the report.

- Reorganized code within the repository so it was more understandable and easier to navigate.
- Decided on meeting tomorrow to breakdown everything necessary for uploading to the server into more manageable sub-tasks.

End of meeting

February 21th, 2025, 4:00 pm to 5:00 pm
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Nathan Hawrylak, Ares Miller
Absent: Connor Dodds

- Reviewed NodeJs class for connectivity purposes
- Tried to evaluate exactly what we need working to have a smooth presentation of what we have.
- Reviewed how our connections should work between different parts of the process.
- Reviewed the way notes are stored to ensure being able to save a dynamic amount if pictures/text per note.
- Discussed Presentation for Tuesday.
  - Who needs to do what before then.

End of meeting

February 25th, 2025, 9:00 am to 10:00 am
Present: Jackson Rawes, Owen Fleming, Ryan Ulgiati, Nathan Hawrylak, Ares Miller, Connor Dodds, Brendan Park (TA)
Absent:

- Started meeting with the TA, and each group member went over what we have done.
  - Owen and Ares worked on database management, account storage, and database connectivity.
  - Ryan over the past week has worked on the upload page functionality and displayed what the user has uploaded so far.
  - Connor worked on setting up the server itself,
  - Jackson has been more flexible, working on documentation and helping others where needed. He's working on automatic testing for the upload page and the login page.
  - Nathan has been helping Ryan connect the client to the server, although currently experiencing issues with sending files in the JSON format, and he's also been working on the code displaying text extraction from images.
- Code's current functionality was demonstrated for TA, and we explained how we are currently having issues populating the JSON file when it comes to uploading files to the site as a user.

- Brendan inquired about password requirements, as our current dummy users show themselves to not be following them but test cases do. They do not currently have *implemented* requirements, but they are planned to be added.
- Brendan inquired about password hashing, and we informed him we haven't added it yet although we've already started working on the functionality. **Brendan noted that hashing for passwords is important.**
- Brendan inquired about mobile scaling for the site, as he mentioned how it seems like it'd be a more mobile-used site over a pc due to the nature of having to upload pictures of notes. **Brendan noted that the scalability for mobile/pc browsers is important.**
- Brendan inquired about testing text-extraction, and other images we've tested it on aside from a simple example.
- Brendan inquired about the accuracy of the text identification (for messy/neater handwriting, etc)
- Brendan inquired about what components have been connected. We have:
  - Register page
  - Client
  - Server
  - Database
  - Upload page (mostly)

End of meeting