

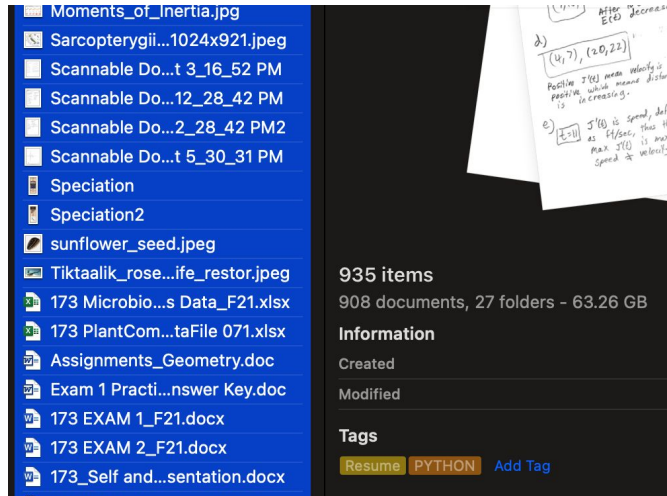


# Personal File Organizer

Team TBD (The Best Developers)

# The Problem...

- File systems can be messy and very disorganized
- Tedious to go through each file to determine organization



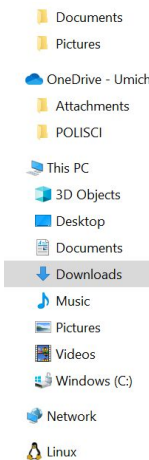
Moments\_of\_Inertia.jpg  
Sarcopterygii...1024x921.jpeg  
Scannable Do...t 3\_16\_52 PM  
Scannable Do...12\_28\_42 PM  
Scannable Do...2\_28\_42 PM2  
Scannable Do...t 5\_30\_31 PM  
Speciation  
Speciation2  
sunflower\_seed.jpeg  
Tiktaalik\_rose...ife\_restor.jpeg  
173 Microbio...s Data\_F21.xlsx  
173 PlantCom...taFile 071.xlsx  
Assignments\_Geometry.doc  
Exam 1 Practi...nswer Key.doc  
173 EXAM 1\_F21.docx  
173 EXAM 2\_F21.docx  
173\_Self and...sentation.docx

**935 items**  
908 documents, 27 folders - 63.26 GB

**Information**  
Created  
Modified

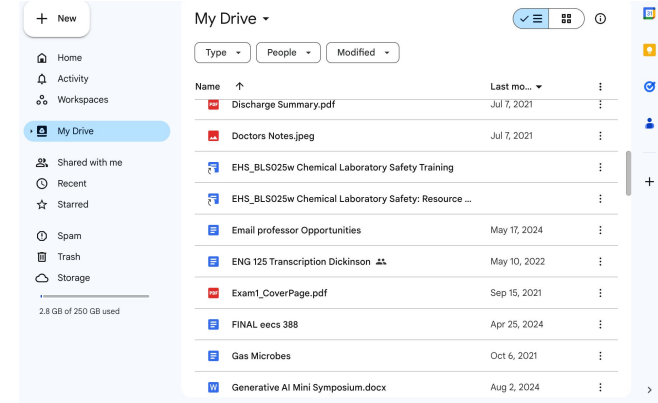
**Tags**  
Resume PYTHON Add Tag

Handwritten note:  $(4, 7), (x, 0, 22)$   
Possible 3rd mass velocity is positive which means distance is increasing.  
e)  $5'0$  is speed, defin as  $\frac{dx}{dt}$ , thus the max  $5'0$  is max speed & velocity



Documents  
Pictures  
OneDrive - Umich  
Attachments  
POLISCI  
This PC  
3D Objects  
Desktop  
Documents  
Downloads  
Music  
Pictures  
Videos  
Windows (C:)  
Network  
Linux

546 items



+ New

Home  
Activity  
Workspaces  
My Drive  
Shared with me  
Recent  
Starred  
Spam  
Trash  
Storage

2.8 GB of 250 GB used

My Drive

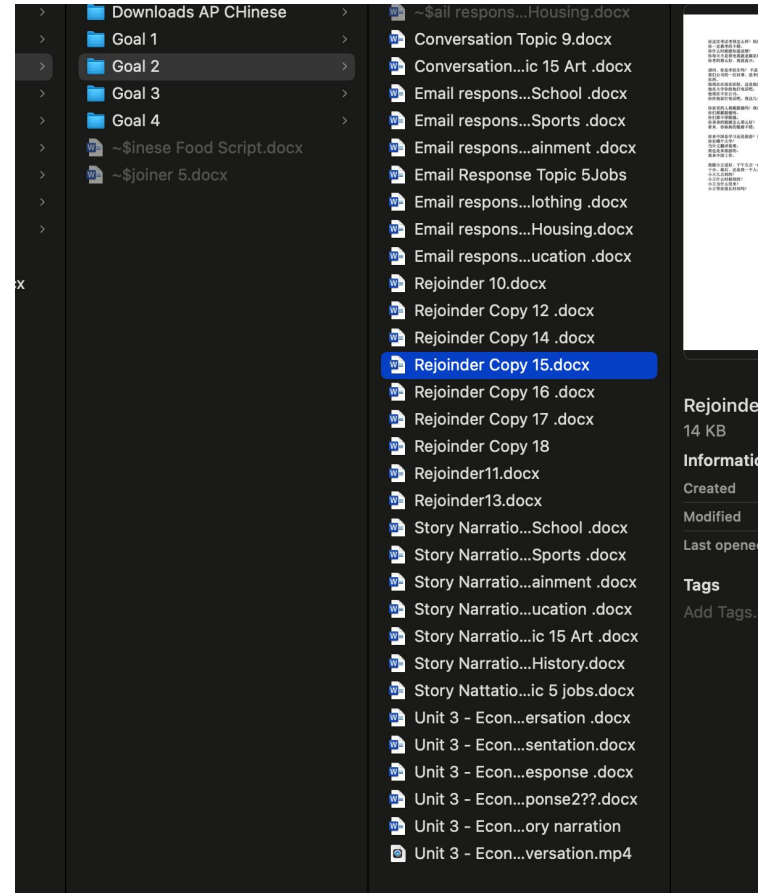
Type People Modified

Name	Last modified
Discharge Summary.pdf	Jul 7, 2021
Doctors Notes.jpeg	Jul 7, 2021
EHS_BLS025w Chemical Laboratory Safety Training	
EHS_BLS025w Chemical Laboratory Safety: Resource ...	
Email professor Opportunities	May 17, 2024
ENG 125 Transcription Dickinson	May 10, 2022
Exam1_CoverPage.pdf	Sep 15, 2021
FINAL eecs 388	Apr 25, 2024
Gas Microbes	Oct 6, 2021
Generative AI Mini Symposium.docx	Aug 2, 2024

Name	Date modified	Type	Size
quote-219394 (1)	4/20/2024 1:45 PM	Microsoft Edge PDF ...	388 KB
race nl 1	7/20/2024 10:51 PM	Microsoft Edge PDF ...	14,993 KB
race nl 2	7/22/2024 12:44 AM	Microsoft Edge PDF ...	33,396 KB
race nl 3	7/22/2024 11:24 PM	Microsoft Edge PDF ...	48,092 KB
race nl 4	7/24/2024 12:53 AM	Microsoft Edge PDF ...	11,437 KB
race nl 5	7/24/2024 10:14 PM	Microsoft Edge PDF ...	10,423 KB
race nl 6	7/25/2024 10:00 PM	Microsoft Edge PDF ...	19,580 KB
race nl 7	7/27/2024 12:53 AM	Microsoft Edge PDF ...	19,740 KB
race nl 8	7/28/2024 2:41 AM	Microsoft Edge PDF ...	77,471 KB
RC jacket left chest name	2/18/2024 8:54 AM	Adobe Illustrator Art...	403 KB
RC jacket left sleeve	2/18/2024 8:55 AM	Adobe Illustrator Art...	207 KB
rollcage zoomed out	7/10/2024 3:24 PM	JPG File	3,095 KB
rollcage	7/10/2024 2:34 PM	JPG File	3,154 KB
roush	3/23/2024 3:54 PM	Encapsulated PostScr...	783 KB
roush	3/23/2024 3:48 PM	PNG File	9 KB
RPreplay_Final1722211889	7/30/2024 1:34 PM	MOV File	25,807 KB
Screenshot 2024-02-07 205703	2/7/2024 9:00 PM	PNG File	338 KB
Screenshot 2024-02-07 205735	2/7/2024 9:01 PM	PNG File	682 KB
Screenshot 2024-02-07 210312	2/7/2024 9:03 PM	PNG File	417 KB

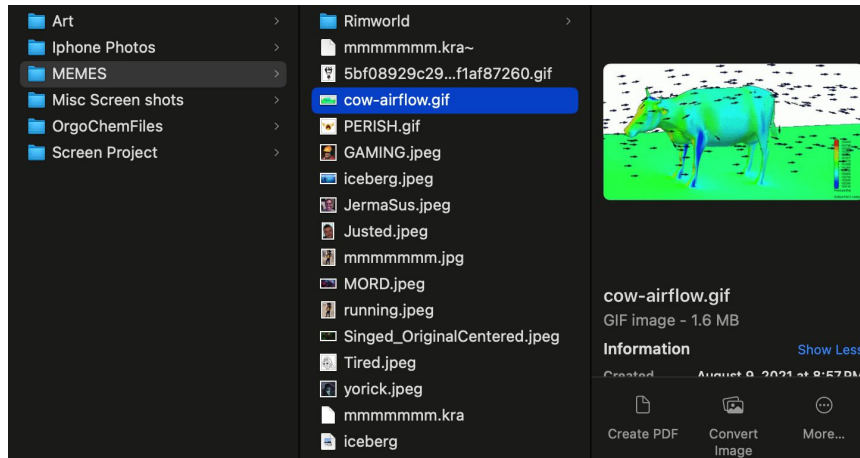
# The Problem...

- Additionally, once you have your files sorted, searching through them for a specific file can be a hassle
- What if you don't remember the title or a specific keyword?



# Our Solution Overview

- Develop a service that will automatically organize files
- The AI model will take in file metadata and contents as inputs, and rearranges files to be organized by initial parameters.
- Additionally, users will be able to query with an AI chat bot to help search specific ideas



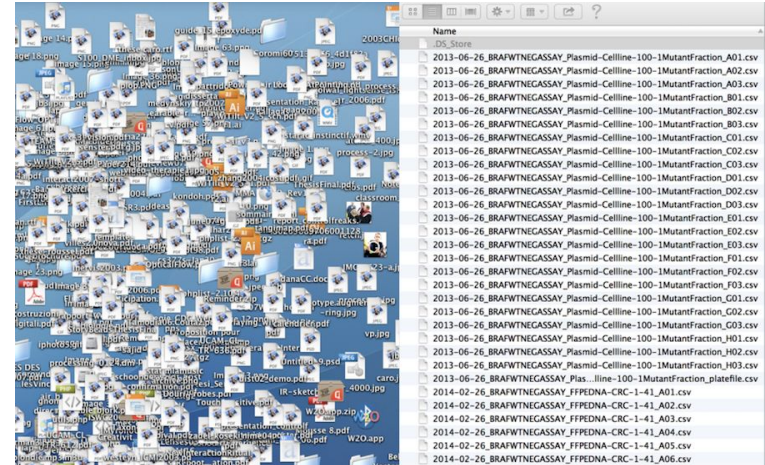
# User Story

- Meet Alex
  - Occupation: Freelance writer
  - Works on multiple projects
  - Uses various file formats
  - Moderately tech-savvy, but overwhelmed by digital clutter



# User Story

- Alex has a problem:
  - Over 500 files scattered across folders
  - Difficulty finding documents
  - Lost productivity



# User Story

- Alex's potential needs:
  - Something that will automatically organize files
    - Certain types of files should have more priority than others, and this affects the sorting criteria
    - Needs a tool that will sort they way he wants
  - Storage management is tough
    - He's running out of space to store all his files, and doesn't know which files are important and need to be kept
    - Needs an automated tool that will suggest specific files/folders for deletion

# User Story

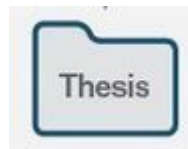
- Alex discovers the Personal File Organizer
  - It does automated file organization, so he can talk to the AI assistant, and it can take his priorities as input
  - Sorting will also be done by content and type
  - Sorted tree diagram helps Alex visualize his file structure
  - Alex can freely add more creations to his collection
  - No more clutter!





# Feature: File classification system

- To organize files, we will log data on them such as a text summary, time created/last modified, file type, keywords, and more. This will then be used in tandem with our conversational portion of our AI to categorize documents into folders.



Created: 1/1/2022

Last modified: 1/31/2024

Summary: A thesis detailing research done on genetic drift in North American antelopes.

File type: Word Document










Word count: 6,578

Keywords: antelope, genetic drift, field work, thesis, research, University of Michigan

# Feature: Suggested file deletions of unimportant items

- Our system will classify files as “suspected unimportant” and allow users to review and delete them all at once.

Here is some junk, would you like to delete it?

 173_Peer Evaluation of Infographic - 173_Peer E...	4/13/2022 9:37 AM
 173w22breath	3/17/2022 6:08 PM
 1200px-Artwork796_SL-1982384899	11/25/2022 4:51 PM
 98928dc1c7aa4b4-1952375934	8/30/2022 4:52 PM
 100122-january-sunset-64440160	10/18/2023 9:41 PM
 20210826_201603_HDR	10/28/2023 12:54 PM
 20220103_180543	1/3/2022 6:06 PM
 20231018_115741	10/18/2023 12:25 PM
 26900646_Airbnb	9/26/2022 1:16 PM

# Feature: Conversational method of understanding organizational goals

- Users will be able to explain what priorities they would like to have in their file organization system conversationally with an AI chatbot.

Hi, how can I help you reach your organizational goals?

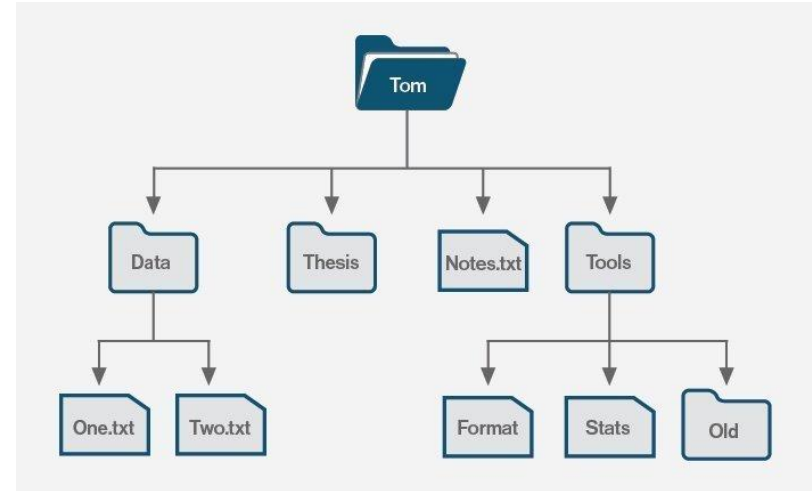


History is on



# Feature: UI to easily view the proposed organizational structure

- Our target demographic, the average person, might not be very tech savvy. Therefore, it will be important to have a system for viewing the proposed organizational changes before committing to them.



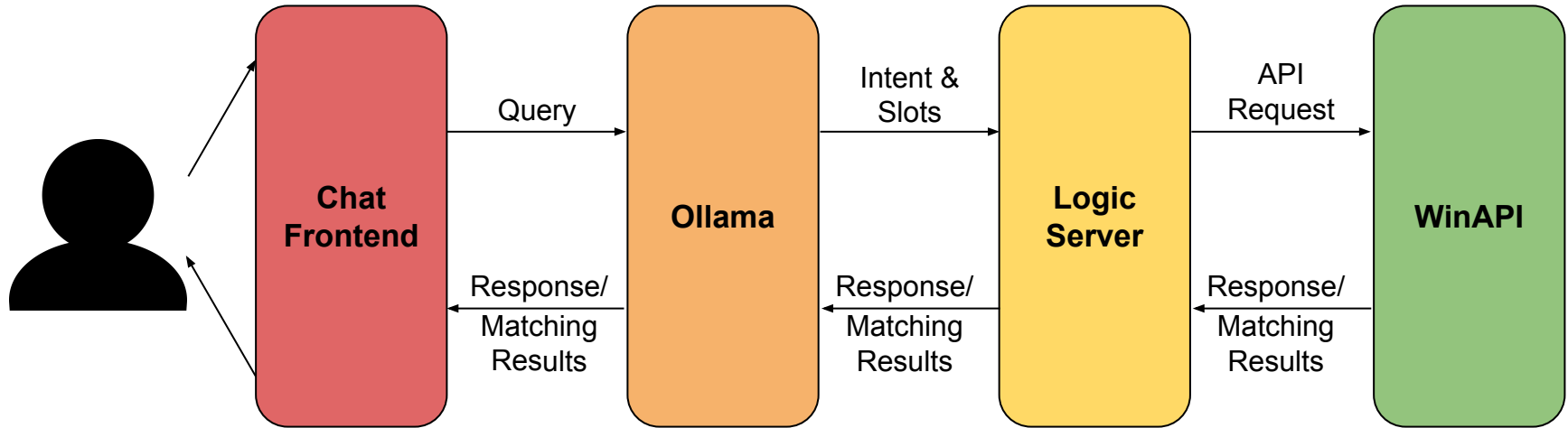
# Reach Goal: File finder

- This feature would allow the user to conversationally describe a file they remember having, and our product will locate it for them based on summary, keywords, etc.

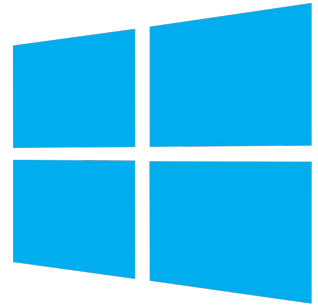
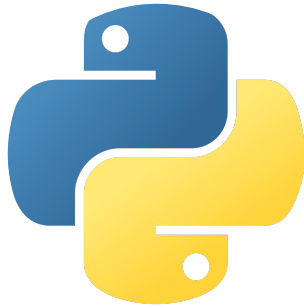
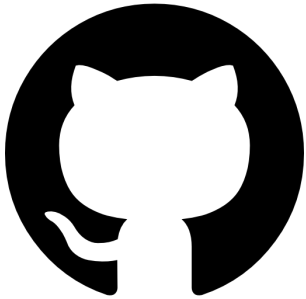
# Reach Goal: Image support

- Though our system will focus on documents with text primarily, we hope to add support for images and possibly other file types as we are able.

# System Architecture



## Tools/APIs We Will Use





# Milestones

1. AI Model Selection and Training
2. Classification and Sorting Logic
3. Conversation AI Implementation
4. User Interface

# Group Organization

Three Main Roles:

1. AI Developer
  - a. Research, select and train the AI
2. Backend/Logic Developer
  - a. Design the core logic that connects the AI to the file system
3. Frontend/UI Developer
  - a. Design the GUI and chat frontend

# Conclusion

Our **AI-driven Personal File Organizer** will making file organization an effortless and personalized experience for everyone.

