

Noted

Final Presentation

Team Hygiene

**Adalia Truong, Eugene Min,
Harris Naseh, Claire Holmes,
Anthony Donberger**

Problem Statement

- In the modern world, software engineers can be overwhelmed with work and have difficulty prioritizing tasks both in the workplace and at home
- Software engineers need categorization options for tasks to differentiate between short-term and long-term goals
- To do apps need to be simpler so that users do not spend too much time creating and maintaining their lists
- The overall goal of Noted is to improve productivity of software engineers and software engineer teams

The Solution

Noted

Features of Noted

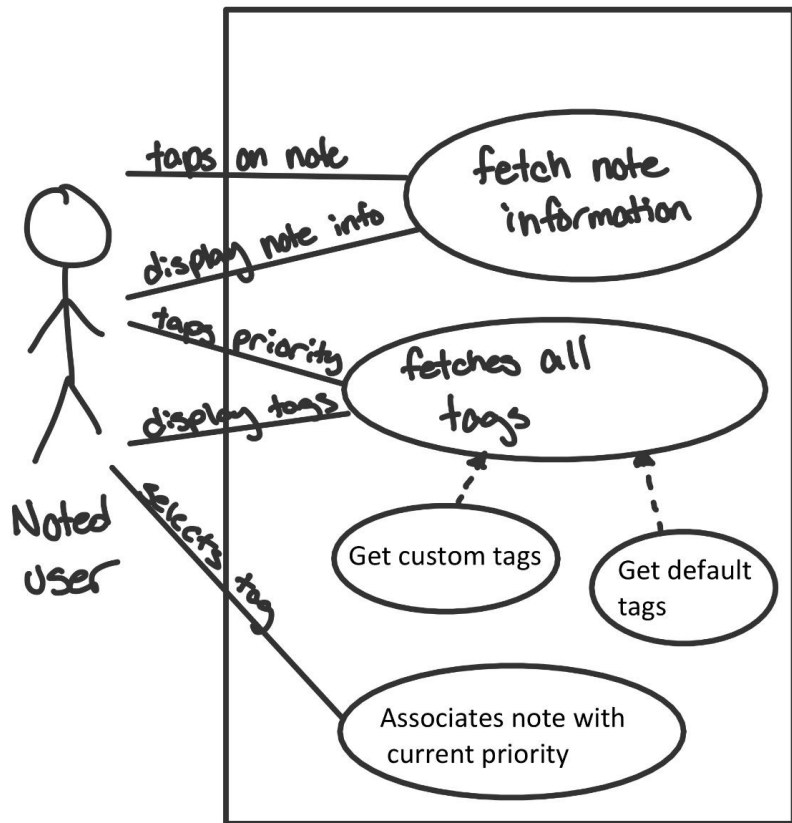
- Set reminders for tasks
 - Categorize by priority
 - Organize by type
 - Integrated with other calendar platforms
 - Display daily, weekly, or monthly tasks
 - Cross-platform syncing
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Our Solution

- Rationale
 - Allowing for more categorization allows users to break down their tasks into digestible chunks
 - If users have a list of tasks from highest to lower priority it is easier to focus on the more important tasks
 - Noted provides a physical copy of the user's tasks allowing them to not forget any tasks
- Explanation
 - Users spend less time deciding what tasks to prioritize since everything is organized
 - Users can keep track of all their tasks easily, allowing to spend less time figuring out what category of tasks they should focus on

Use Cases

Adding a priority tag to a pre-existing note



Precondition: The user must have created a note already

Main Flow:

- The user taps on a note to open up a detailed note view
- The user taps the "Priority" button to open a dropdown containing default priority tags and custom priority tags
- The user selects the desired tag from the list

Postcondition: The note has a priority tag associated with it

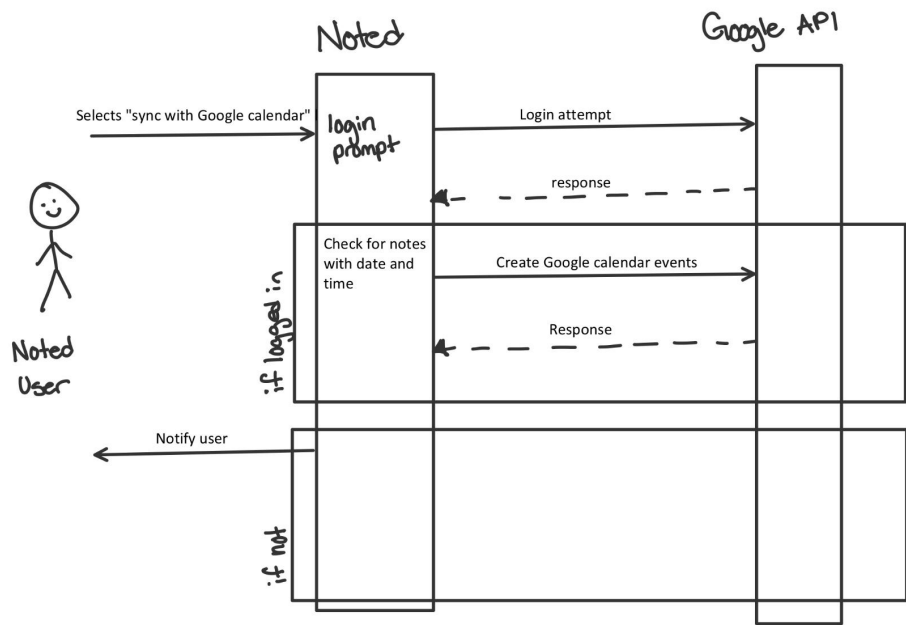
Display notes on the user's Google Calendar

Precondition: User must have a Google account and has granted the app permission to access their Google Calendar

Main Flow:

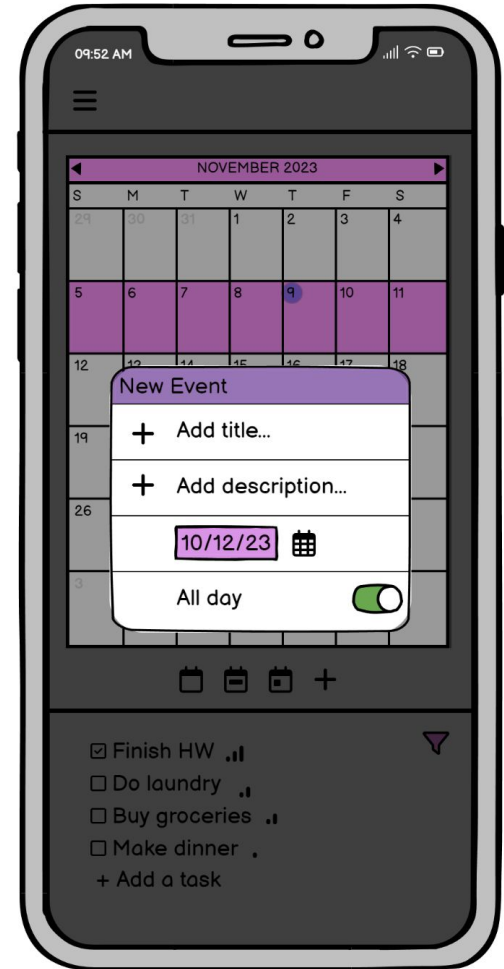
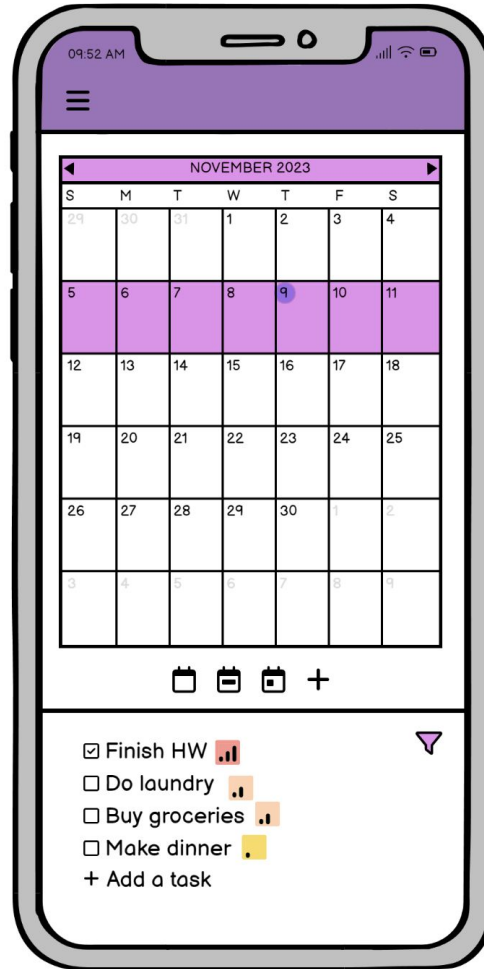
- The user goes to the app settings and selects the "Sync with Google Calendar" option
- The user is prompted to log in to their Google account
- The application starts syncing notes that have specific dates associated with them to the user's Google Calendar

Postcondition: Notes with associated dates are visible as events in the user's Google Calendar



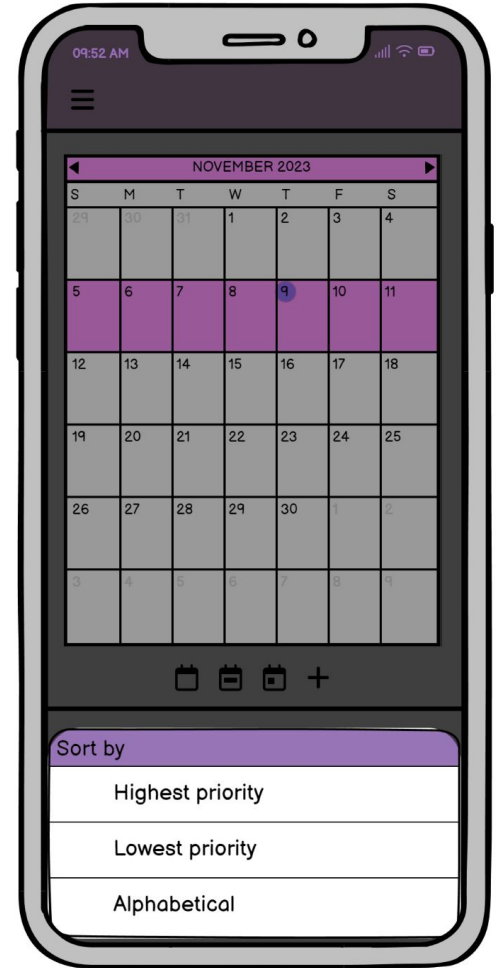
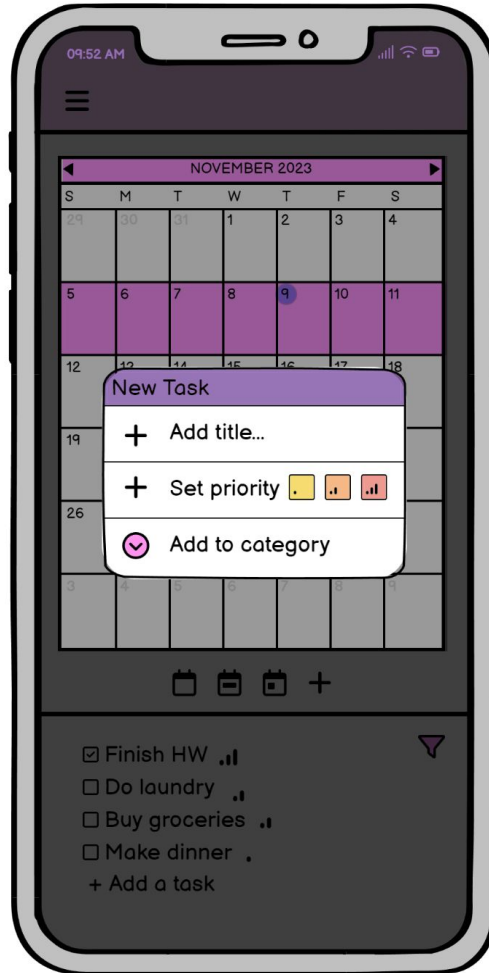
Wireframes

Calendar view & adding
new event



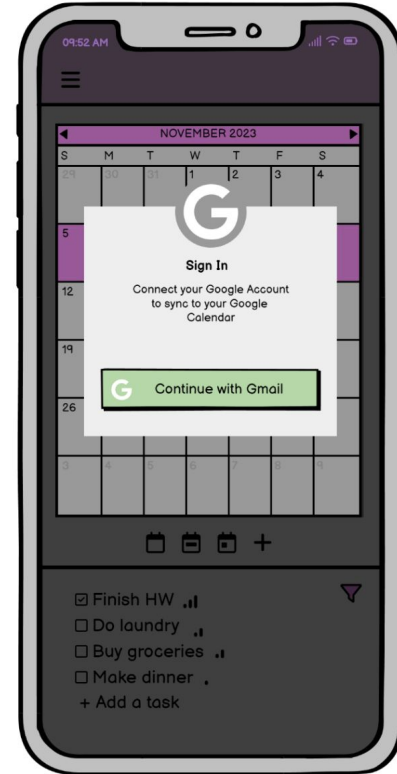
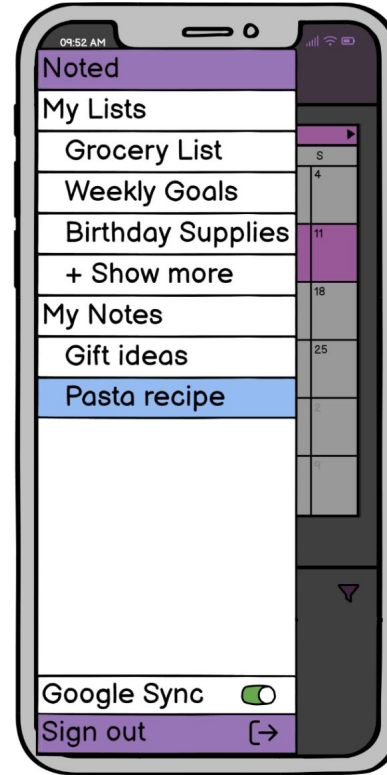
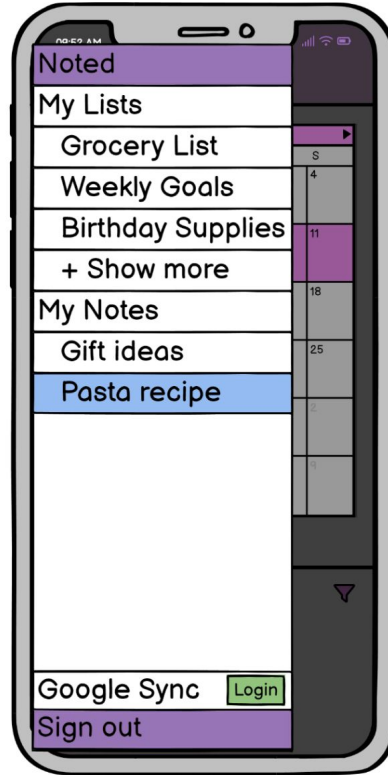
Wireframes

Adding new task &
sorting by priority



Wireframes

Google sync workflow



Related Work

Google Tasks

- Task management service by Google
- Create reminders, tasks and events
- Available on the web



Microsoft To Do

- Task management service by Microsoft
- Integrated with Microsoft Outlook
- Available on all platforms



Limitations

Calendar Integration Limitations:

- Only able to integrate with online calendars via an API, unlike larger services provided by Google and Microsoft

Mobile only:

- Noted is only available as a mobile application, with no current support for other platforms
 - Does support cross platform integration within mobile operating systems

Limited Time:

- Noted is a simple to-do list application with some advanced features, but with more time for development, additional features could be integrated to separate it from other apps like it

Future Work

Platform support:

- As mobile is currently the only format supported for cross platform integration, we plan on adding full support to both web and desktop platforms

Cloud storage:

- The addition of cloud storage is also planned, allowing for easier cross platform integration and decreasing the system requirements of the application

AI integration:

- Integrating AI into Noted will allow for the app to learn habits and create a more personalized experience for the user

Processes & Tools

Development Processes:

- Prototyping SWE model
 - The primary software development process we chose because it allowed for our group to easily make changes and communicate
- Wireframing
 - The user interface design process we chose as it enabled us to easily design and make our application user friendly
- Storyboarding
 - The storyboarding design process is how we accounted for our use case scenarios

Tools

- Balsamiq
 - The primary tool we used for the entirety of the project as it was convenient to use and contained all the necessary tools to easily design and build the visual of our application

Concept 1: Three Golden Rules of UI Design

- Helpful when deciding how to structure our UI
- Made us focus on creating a UI that is easy to understand for all users

Concept 2: Prototyping Model

- Helpful when changing the design of our UI since we had different variations of our UI prototype
- Allowed us to change the features of our product easily

Concept 3: Kanban Board

- This concept was not helpful to as we delegated tasks ourselves
- Our team would utilize platforms such as Discord to delegate work amongst ourselves

What We Learned

Presentation Skills

- We gained confidence in our speaking and made more readable presentations

UI/UX Design

- Our app's main focus was having a clear, intuitive UI

Applying Iterative Design Process

- We continuously improved and expanded upon our wireframes over the semester

Questions