

The Collaborative Planner

183-Group-Project: Diwa Ashwini Vittala, Fiona Hsu, Nancy Nhat Nguyen, Malachi Maldonado, Tu-An Nguyen

Description: What is a collaborative planner?

The collaborative planner app would have a calendar with weekly and daily views that users can edit in order to add in their own schedules and events. For example, users can add the time, dates, location or zoom links to their classes if they are a student. In order to add or edit tasks in a planner, you need to have an account. If you don't have access to a task, you don't have edit or delete access to it. You can only get access to edit or delete a task if:

- The creator of the task added you as a collaborator or
- You are the creator of the task

The daily view also changes based on which day of the week it is currently, and everyone has the ability to add new tasks to the calendar.

Main Pages Sketch

<https://www.figma.com/file/jCpQ0TLel0Rd0FI7ExIoNP/Untitled?t=xFOzC8V1wl7mfibk-1>

Data Organization

We would need to store data about the tasks, and the order of tasks, and make sure they are in the same data table as their associated days and times. We need a data table with the following attributes: year (2023 by default), month, day, time (can be specific for things such as classes or "all day" for things like birthdays), name of event/task, and importance (can be unprioritized by default). We can link another table to specify which data is a "task" (and therefore, must have the option to be checked off) and which is an "event" (so it just has times associated with it on display).

User Stories

A user can create an account in the planner and create their yearly, monthly, weekly, and daily schedules. For example, they could input friend and family birthdays, meetings, work deadlines, events, etc, and include links to outside info.

- **User Story #1:** Diwa is planning a party on Friday night. She wants to invite her friends, Tu-An and Nancy, but not their friend "a", because no one likes "a", but removing them from the friends list is a whole can of worms.

Planner

Add a new task

Task Title

Diwa's Friday Night Party!!

Task Description

yooo lets hang out but ~~don't~~ tell a!!!

a a

Tu-An Nguyen

d 123

hey hey

nancy.nguyen

b b

Diwa Ashwini Vittala

Choose a due date for the task:

June

9

2023

Select a project for this task:

No project

+ Add task

Diwa has added her friends to this event, with the exception of a. Unfortunately, Tu-An turned out to be a jerk too! Now, Diwa has to remove Tu-An from this event.

Edit a task

Title

Diwa's Friday Night Party!!

Description

yooo lets hang out but dont tell a!!!

Date

June 9, 2023 00:00:00

Invited Users

[5]

Project

▼

Submit

Now, Diwa has removed Tu-An and can have a nice party with Nancy. But then Nancy made a rude comment, and has to be removed too....

Edit a task

Title

Diwa's Friday Night Party!!

Description

yooo lets hang out but dont tell a!!!

Date

June 9, 2023 00:00:00

Invited Users

[]

Project

▼

Submit

After removing Nancy, Diwa finally has her complete guest list.....of herself. Neither Tu-An nor Nancy can see the event in their planner now.

- **User Story #2:** “a” is all alone on Friday night after Diwa didn’t invite them to the party. Instead, “a” plans a trip on Sunday, and is very excited! However, the event is next week, so “a” has to navigate to the next week on the planner.

< Last Week

This Week

Next Week >

4
Sunday

5
Monday

6
Tuesday

7
Wednesday

8
Thursday

9
Friday

10
Saturday

Day • Week

< Last Week

This Week

Next Week >

11
Sunday

12
Monday

13
Tuesday

14
Wednesday

15
Thursday

16
Friday

17
Saturday

sunday trip!

something to treat myself :)

Until Diwa invites “a” to an event on Sunday, because no one ended up going to Diwa’s party on Friday night. So “a” has to cancel their trip on Sunday. For clarity’s sake, “a” can delete it to make room for Diwa’s event.

< Last Week

This Week

Next Week >

11
Sunday

12
Monday

13
Tuesday

14
Wednesday

15
Thursday

16
Friday

17
Saturday

June 2023

Day • Week

< Last Week

This Week

Next Week >

11
Sunday

12
Monday

13
Tuesday

14
Wednesday

15
Thursday

16
Friday

17
Saturday

sunday trip!

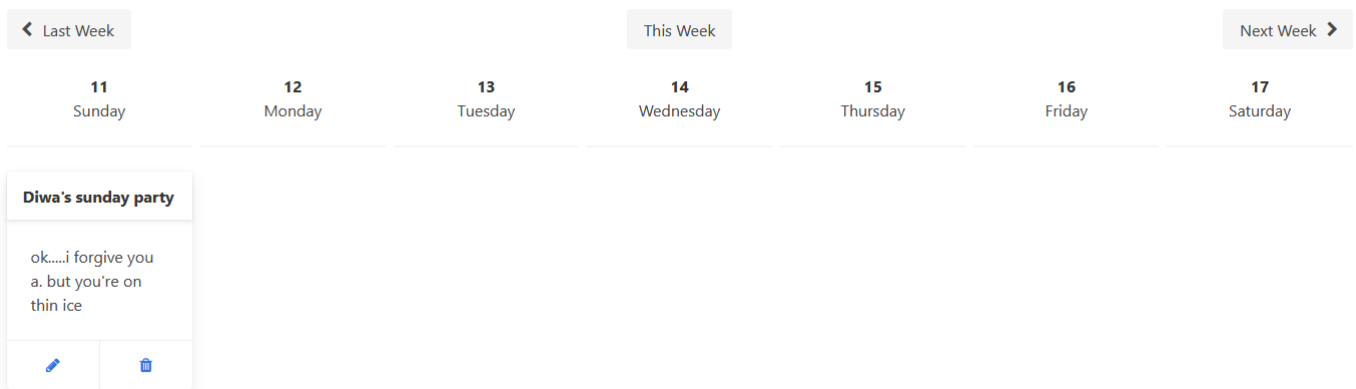
something to treat myself :)

Diwa's sunday party

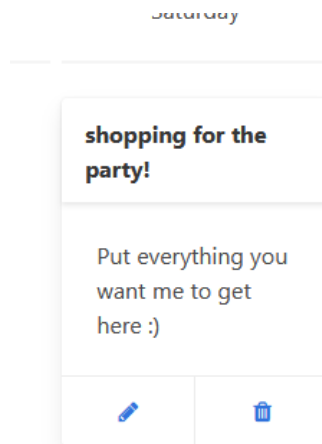
ok.....i forgive you
a. but you're on thin ice

June 2023

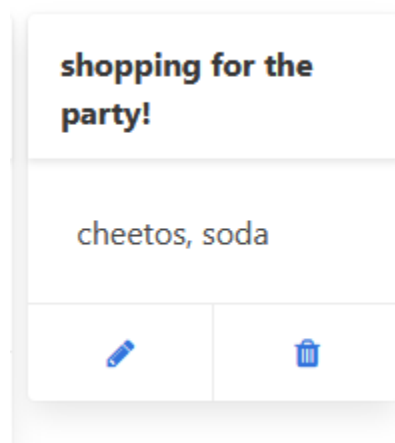
Day • Week



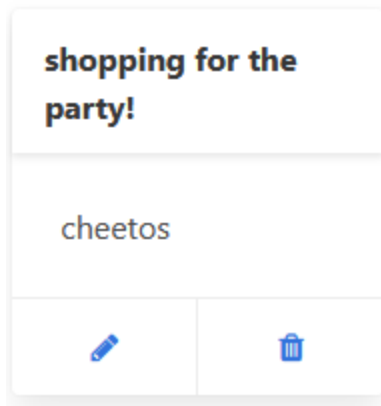
- **User Story #3:** In order to set up for the party on Sunday, “a” wants to go grocery shopping on Saturday. “a” isn’t sure what Diwa wants.



“a” invites Diwa to the shopping event so Diwa can add food items to the shopping list in the description. Diwa adds soda and cheetos to the shopping list with the edit privileges that being invited gives her.



When “a” goes shopping, they can pick up the cheetos and soda that Diwa asked for. But “a” is still upset with Diwa for not adding them to the Friday party, so “a” decides to remove the soda from the shopping list, so now Diwa has nothing to wash down the cheeto dust. Gross.



Implementation Plan

We will spend the first two-week period designing the layout of the calendar and making the calendar responsive to zooming in and out as well as deciding how many buttons we will need and where those should be placed on the layout. The second two-week period we will spend creating the necessary databases for our calendar. The third two-week period will be spent creating the webpage, and polishing the implementation of the calendar.

Collaboration Breakdown

Overall, we believe that each member has contributed to the project equally and collaborated together and we are satisfied with the division of responsibilities and the successful completion of these tasks. We called regularly to talk through each part of the project and we felt that we had good communication and teamwork, and that everyone deserves an equal grade. Despite what the commit history may reflect, we divided up our work equally; some members made large commits / fixes to bugs in just 1 commit (which may show up as them doing less work in the commit history). During our calls, we would have one person share their screen and code while the rest of the members aided them through the process.

Tu-an:

- Dropdown menu for adding events
- Dropdown for project
- Created a daily view
- Hiding unnecessary fields in the edit page
- Adding form validation
- Implementation of a force reload after every add
- Reformatted lines for better display on wider screens
- Incorporated invited users by tass.

Diwa:

- Initial setup
- Title + adding task function
- All the buttons
- Connections to vue
- Made initial tables and database setup
- Created joint tables
- Cleaned up the page (separate fonts, chumped info together or spaced them out with blocks)
- Weekly view table (calendar view)

- Worked on the ReadMe
- Aided with the debugging process

Malachi:

- Worked on the ReadMe
- Conceptualized Invited user system
- Editing and deleting projects as well as creating them
- Included comments throughout the files and organized them
- Aided with the debugging process

Fiona

- Delete button
- Added colors selection for projects
- Created project db tables
- Aided with the debugging process

Nancy:

- Incorporated the edit a task page
- Worked on the ReadMe page
- Aided with the debugging process