

Requirement Analysis

Project Vision: We will be making a Calendar application that can recognize multiple people, support chatting or comments, recognize event proposals, allow votes on times, recognize resources, and disallow scheduling of two groups to the same resources. We may add or change some features in the future, but this is the baseline we have so far.

Issue tracking:

<https://github.com/lanewb/SE1-Something/issues>

Functional:

1. The **system** should recognize a host who will have the ability to add people to the calendar through e-mail, or some other form and adjust or restrict the administrative access of other members of the Calendar.
2. The **User Host** should be able to set and restrict access for different members
 - a. The System should let the host start with the highest level of access and be able to promote or demote the authority level of other members,
3. They **system** should recognize new members of the Calendar as having the lowest access(adjustable by the host)
4. The User Members of the lowest priority are only able to view the events on the Calendar and comment on event discussions.
5. The **User Member** should only be able to view events and allocated resources
6. They **System** should be able to recognize the resources that are available for each day, and whether or not those resources are in use
7. The **System** should support Host facilitated discussion boards per event that host can adjust to be open or closed to responses.
8. The **system** should support voting, between members of appropriate access level, on which resources should be used for an event given time-slots that can be voted on, and automatically disqualify resources that have passed.
9. The user Host should be able to add events and initiate votes on available time slots.

Non-Functional:

- All forms of communication are expressed in English
- All event dates are posted and formatted according to the Gregorian calendar
- The timezone standard will be in Central Daylight Time

Use Case Specifications template

Use Case Identification and History			
Use Case ID:	Add Event	Version No:	1.0
End Objective:	An event is added to the calendar		
Created by:	Jason Wu	On (date):	9/27/2021
Last Update by:	Jason Wu	On (date):	9/27/2021
Approved by:		On (date):	
User/Actor:	Admin		
Trigger:	Admin wants to add an event to the calendar		
Frequency of Use:	Whenever admin wants to add an event		

Preconditions
It is possible for an event to be added to the Calendar

Basic Flow		
Step	User Actions	System Actions
1	Member prompts system to add an event	Checks member access level; Allows admin/host access
2	admin/host creates event	Prompts for voting or no voting
3	No vote	Prompts for which dates/resources to schedule
4	Schedule resources	No conflicts found, allocate resources to event; prompt for event name, location, description
5	admin/host inputs event title, location, description info	Event title, location, and description are set;
6	Clicks “done”	Event is added onto Calendar, where details can be viewed through the UI

Alternate Flow		
Step	User Actions	System Actions
3.a.1	Basic flow from step 3 Vote	Sends notification to applicable members, and prompts for voting time
3.a.2	Host/admin inputs time needed for voting	opens up voting interface on the side of the window and sends notification to members and prompts them to vote
3.a.3	Host/admin votes then waits for users to vote within allotted time	System closes voting and counts votes;
3.a.4	Go to Basic Flow Step 3	

Alternate Flow		
Step	User Actions	System Actions
4.a.1	Basic Flow step 4	Conflicts Found; prompt for time change
4.a.2	Go to Basic Flow Step 3	Prompt for resources, go to Basic Flow Step 4

Alternate Flow		
Step	User Actions	System Actions
5.a.1	Basic Flow step 5 No title is input	Set Event Title = Event Description; If no description, Set Event Title = Event;
5.a.2	Go to Basic Flow Step 5	

Alternate Flow		
Step	User Actions	System Actions
5.b.1	Basic Flow step 5 No description is input	No action
5.b.2	Go to Basic Flow Step 5	

Alternate Flow		
Step	User Actions	System Actions
5.c.1	Basic Flow step 5 No location is input	Prompt for Location
5.c.2	Go To Basic Flow Step 5	

Post conditions
1. New event is added to Calendar

Fully-dressed use case			
Use Case ID:	Host facilitated event discussion board	Version No:	1.0
End Objective:	A discussion thread has been opened for a particular event		
Created by:	Jacob Senior	On (date):	9/27/2021
Last Update by:	Jacob Senior	On (date):	9/27/2021
Approved by:		On (date):	
Stakeholders and Interests:	Any admin		
Trigger:	Admin wants a task to add a discussion thread to an event		
Frequency of Use:	Any time the admin wants to add a discussion thread to an event		

Preconditions
The desired event the admin is trying to access already exists

Basic Flow		
Step	User Actions	System Actions
1	The admin selects an existing event	The system redirects the admin to the discussion thread for the event
2	The admin chooses to open the event's discussion board	Check the permissions of the user to ensure they are an admin. Prompt the admin if they want the discussion to be public or private
3	The admin chooses public	The discussion board is opened for public discussion. The system prompts the admin for a discussion board title
4	The admin adds a title for the discussion thread	The discussion thread for the event is updated and the members are notified of the change

Alternate Flow		
Step	User Actions	System Actions
2.a.1	User does not have admin privileges	The system outputs an error message to the user

2.a.2	The user accepts the error prompt	The request is cancelled
3.a.1	The admin chooses private	The discussion thread is opened, but is not open to the public for comments. The system prompts the admin for a discussion board title
4.a.1	A title was not provided for the discussion board	The title of the event is used as the title of the discussion board

Post conditions
1. A discussion board for the event has been opened

Use Case Identification and History			
Use Case Name:	Add New Member	Version No:	1.0
End Objective:	A new person is added to the calendar		
Created by:	Zane Pitzer	On (date):	9/27/2021
Last Update by:	Zane Pitzer	On (date):	9/27/2021
Approved by:	Jason Wu	On (date):	9/27/2021
Users/Actors:	<p>Host/Administration Officer</p> <ul style="list-style-type: none"> - This person is the leader, or one of the leaders, of the calendar. This person is responsible for adding/removing people from the calendar and adding events to be voted on to the calendar <p>New Member</p> <ul style="list-style-type: none"> - This is the person being added to the calendar - They are responsible for joining the calendar once invitation is sent to them 		
Scope:	Calendar System		

Frequency of Use:	Every time a new member needs to be added to the calendar
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Preconditions
The calendar instance has been created by the host

Basic Flow		
Step	User Actions	System Actions
1	Host/Administration Officer wants to add someone new to the calendar	none
2	Host/Administration Officer opens the calendar	Displays home page of calendar for a Host/Administration Officer
3	Host/Administration Officer clicks on "Add New Member" button on home page of calendar	Opens "Add New Member" popup page

4	Host/Administration Officer types in email of new member	<p>Inside “Add New Member” popup page box 1:</p> <ul style="list-style-type: none"> - Gives Host/Administration Officer the option to type in the email of the possible new member in first box
5	Host/Administration Officer selects priority of new member to be a basic member	<p>Inside “Add New Member” popup page box 2:</p> <ul style="list-style-type: none"> - Sets a default priority of the possible new member as a basic member - Setting the new user as a basic member makes it so that they can only vote on the possible events added by the Host/Administration Officer
6	Host/Administration Officer sends invitation to new member by pressing “Send Invitation” button	<p>“Send Invitation” button sends the invitation via email to the possible new member; member accepts</p>

Alternate Flow: Host/Administration Officer sets priority of new member as Administration Officer

Step	User Actions	System Actions
1	Host/Administration Officer selects priority of new member to Administration Officer	<p>Inside “Add New Member” popup page box 2:</p> <ul style="list-style-type: none"> - Sets a default priority of the possible new member as a basic member, but gives the option for the Host/Administration Officer to change their priority Administration Officer - Setting the priority as Administration officer gives the new member the same priority and internal calendar abilities as the Host and other Administration Officers in that they can create events to be voted on and add new members to the calendar, as well as vote on possible events

Alternate Flow: Invitation is not accepted by user after 24 hours

Step	User Actions	System Actions

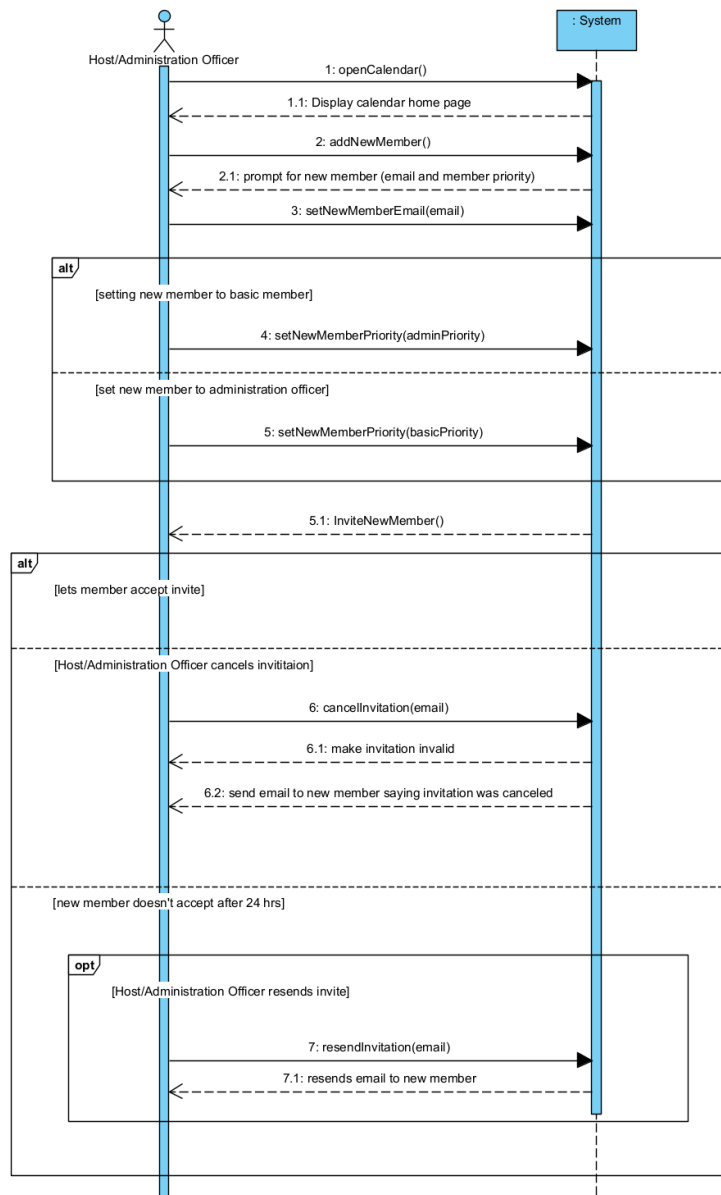
1	Possible new member still has not accepted the invitation sent to them after 24 hours	The invitation times out and the sent email is no longer valid to join the calendar
2	Host/Administration Officer resends the invitation to the possible new member; member accepts	Sends email to Host/Administration Officer who sent the invitation and gives them the option to resend invitation to possible new member

Alternate Flow: Host/Administration Officer wants to cancel invitation		
Step	User Actions	System Actions
1	Host/Administration Officer wants to cancel the invitation send to possible new member	none
2	Host/Administration Officer goes to "Members" page	Displays page of all members currently part of the calendar
3	Host/Administration Officer goes to "Pending" page	Displays page of all members who have had an invitation sent to them but have not yet accepted the invitation

4	Host/Administration Officer presses “cancel invitation” button next to the possible new member that they want to cancel the invitation to	“cancel invitation” button both makes the link to join the calendar in the invitation email invalid and also sends a new email to the possible member whose invitation was canceled telling them so
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Post conditions
1. A new basic member is now part of the calendar

SSD - UC - Add New Member



Operation Contracts: UC – Add New Member

Name: inviteNewMember()

Responsibilities: send the invite (via email) to the possible new member

Pre-conditions: Admin member input the priority and email of the new member

Post-conditions: invitation is sent to member

Name: addNewMember()

Responsibilities: to set the priority and email of the new member

Pre-conditions: the calendar exists and is open

Post-conditions: email invite will be sent to new member

Name: setNewMemberEmail(email)

Responsibilities: set the member email

Pre-conditions: a new member was created

Post-conditions: email is set

Name: setNewMemberPriority(priority)

Responsibilities: set the member priority

Pre-conditions: a new member was created

Post-conditions: priority is set

Name: cancelInvitation(email)

Responsibilities: cancel the invitation sent to the possible new member

Pre-conditions: invitation was sent to possible new member

Post-conditions: invitation is made invalid and email is sent to possible new member stating that

Name: resendInvitation(email)

Responsibilities: resend the same invitation just sent to the possible new member

Pre-conditions: possible new member did not accept invitation after 24-hours

Post-conditions: invitation is sent again to the possible new member

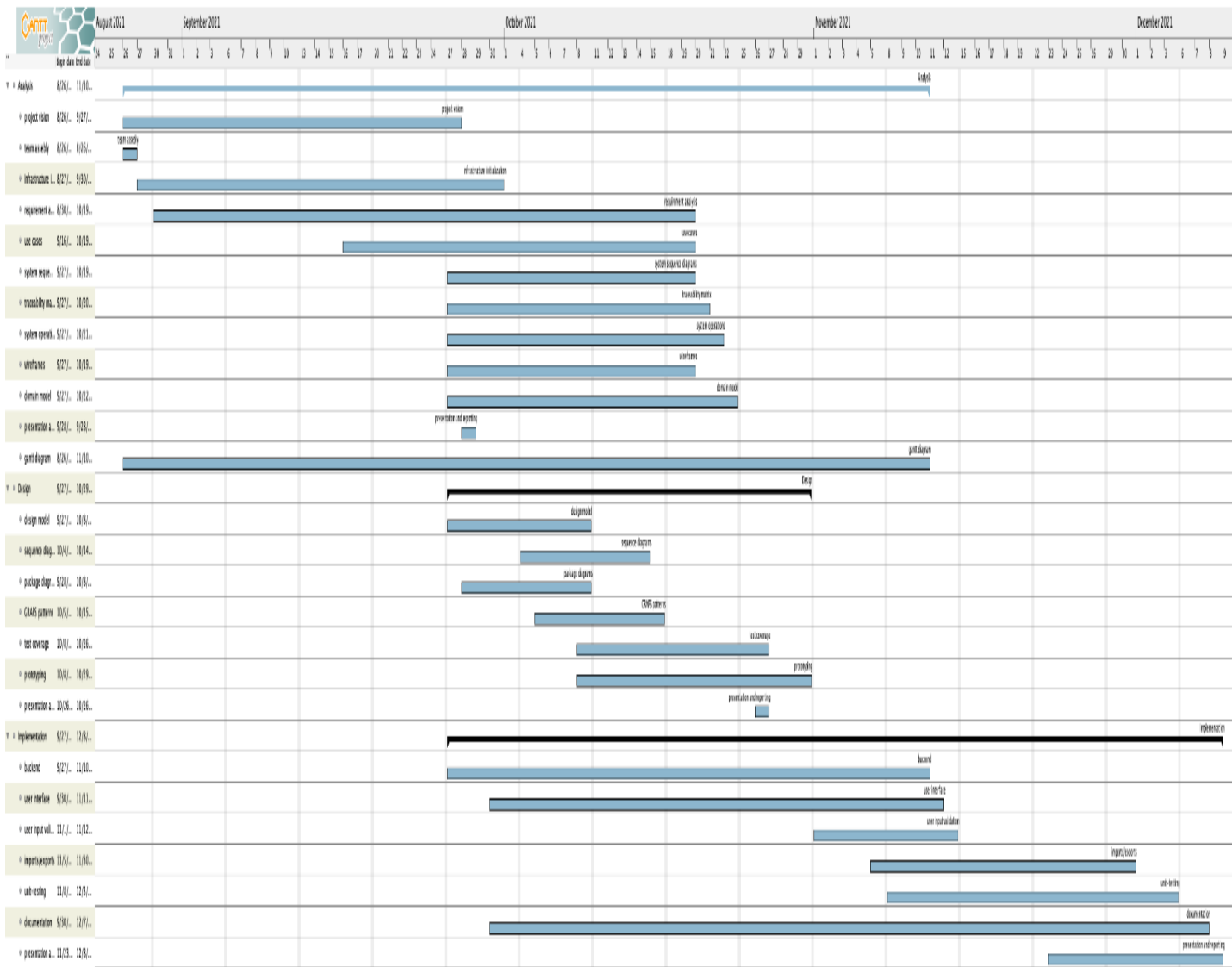
Name: openCalendar()

Responsibilities: open the calendar to the home page

Pre-conditions: the calendar exists

Post-conditions: the calendar is opened to home page

Gantz Diagram



TimeCard:

Jacob Senior:

Work Date: 9/27/2021 -

Time: 2:30 PM - 8:00 PM

11:30 PM - 12:00 AM

Hours Worked: 6 hours

- Fully Dressed Use Case
- SSD

Jason Wu:

Work Date: 9/27/2021 -

Time: 2:30 PM - 12:00 AM

Hours Worked: 9.5 hours

- Project planning and managing
- Project Vision
- Project Presentation
- Fully Dressed Use Case

Zane Pitzer:

Work Date: 9/27/2021 -

Time: 3:30 PM - 12:00 AM

Hours Worked: 8.5 hours

- Fully Dressed Use Case
- Use-Case Diagram for Use Case
- SSD
- Domain Model
- System Operations

William Ding:

Work Date: 9/27/2021 -

Time: 8:00 PM - 12:00 AM

Hours Worked: 4 hours

- Domain diagram for the project
- Issue Tracking
- Use case diagram
- Creation of use cases

Ricky Zhao:

Work Date: 9/27/2021 -

Time Started: 8:00 PM - 1:30 AM

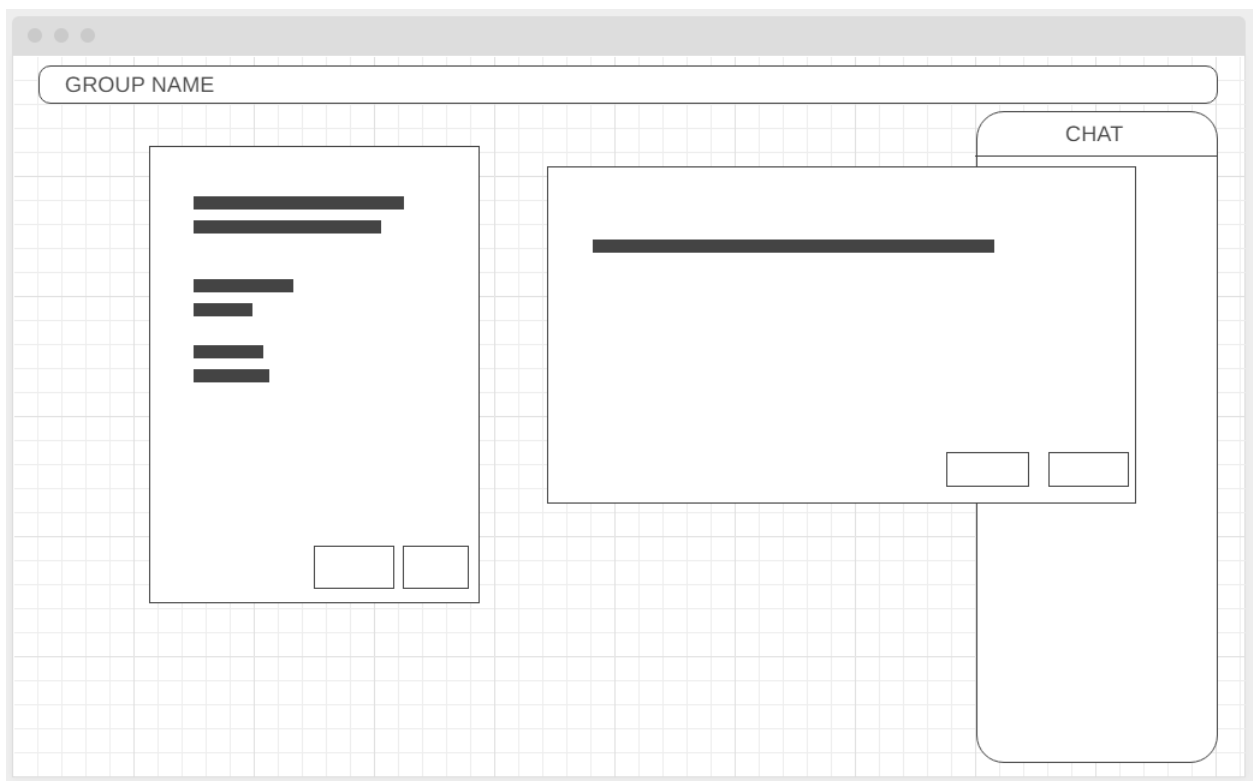
Hours Worked: 5.5 hrs

- Wireframe user interface sketch
- Interface design

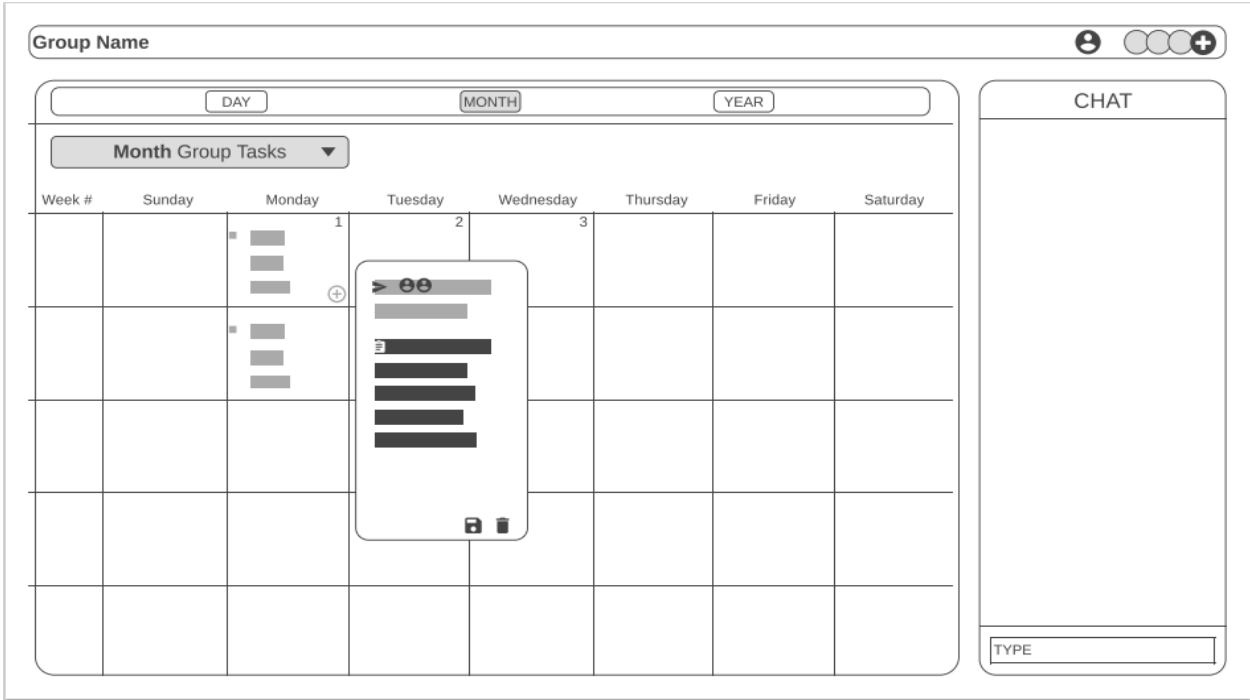
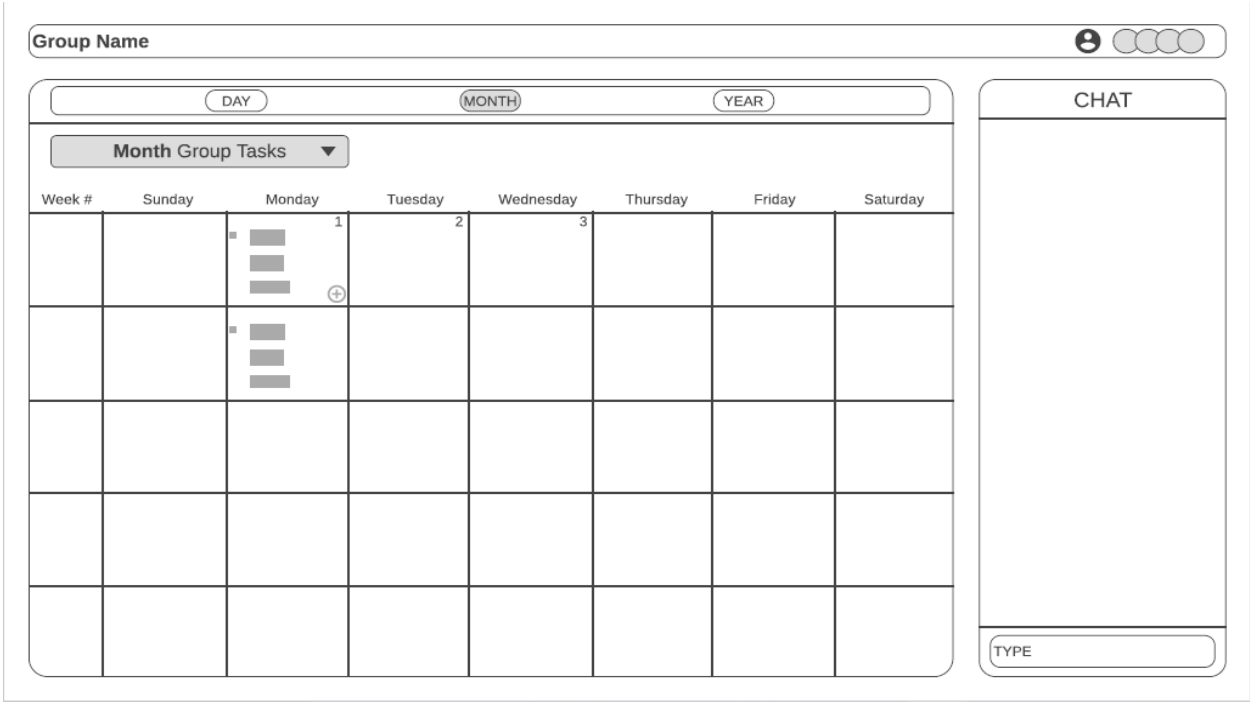
Issues:

- 2 group members sick for a time
- 1 member got in car accident
- Hard time meeting up all together as a team so far
- Gathering team members to work on the project

Wireframe



User Interface Sketches



Group Name



DAY

MONTH

YEAR

Month Group Tasks ▼

Week # Sunday Monday Tuesday Wednesday Thursday Friday Saturday

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		<div><div></div><div></div><div></div><div></div></div> <div>+</div>					
		<div><div></div><div></div><div></div><div></div></div>					



TYPE

Group Name



DAY

MONTH

YEAR

EMAIL



Month Group Tasks ▼

Week # Sunday Monday Tuesday Wednesday Thursday Friday Saturday

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TYPE