

Screen Sketches

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Project Name – PlanIT
Group Number – KM_205

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Actors

1. User:

- a. View – can view different calendar views and event view.
- b. Connect – can connect with other users in the app.
- c. Chat – can chat with connected users.
- d. Create – can create groups and/or events.
- e. RSVP – can RSVP to group events.
- f. Accept – can accept events.

2. Manager (Event):

- a. User that creates an event becomes a manager.
- b. Edit – can edit details of the event.
- c. Invite – can invite other users to the event who can accept and depending on their answer it will show on their calendar or not.

3. Administrator (Group):

- a. User that has created a group.
- b. Manage – can manage details of the group.
- c. Push Events – can push events to group members' calendars where users can RSVP to the event. Depending on their RSVP, the event will always show on their calendar but will only get reminders if they RSVPed or haven't responded.

Non-Functional Requirements

In order of greatest priority to least:

- **Portability** – The application must be able to run as an android application with a functioning MySQL server.
- **Reliability** – The user should not have to wait for longer than 0.5 seconds for any transition between calendar views.
- **Maintainability** – The application must be able to allow for developers to add new features without compromising performance and scalability.

Tables and Fields

Main Tables

- **User:** Tracks user information.
 - User ID
 - Username
 - Hashed password
 - User Preferences (Object)

- **Event:** Tracks events added by a user. That user becomes manager of the event. An event will be connected to a group ID if an administrator created the event.
 - Event ID
 - Manager ID
 - Name
 - Description
 - Start time/date
 - End time/date

- **Group:** Tracks groups added by a user. That user becomes administrator of the group.
 - Group ID
 - Administrator ID
 - Name
 - Description
 - Members

- **Message:** Tracks messages sent by a user and received by a single user, multiple users, or a group.
 - Message ID
 - Body
 - Send time/date
 - Received time/date

- **Assignment:** Tracks assignments connected to a user.
 - Assignment ID
 - Title
 - Description
 - Class
 - Due Date

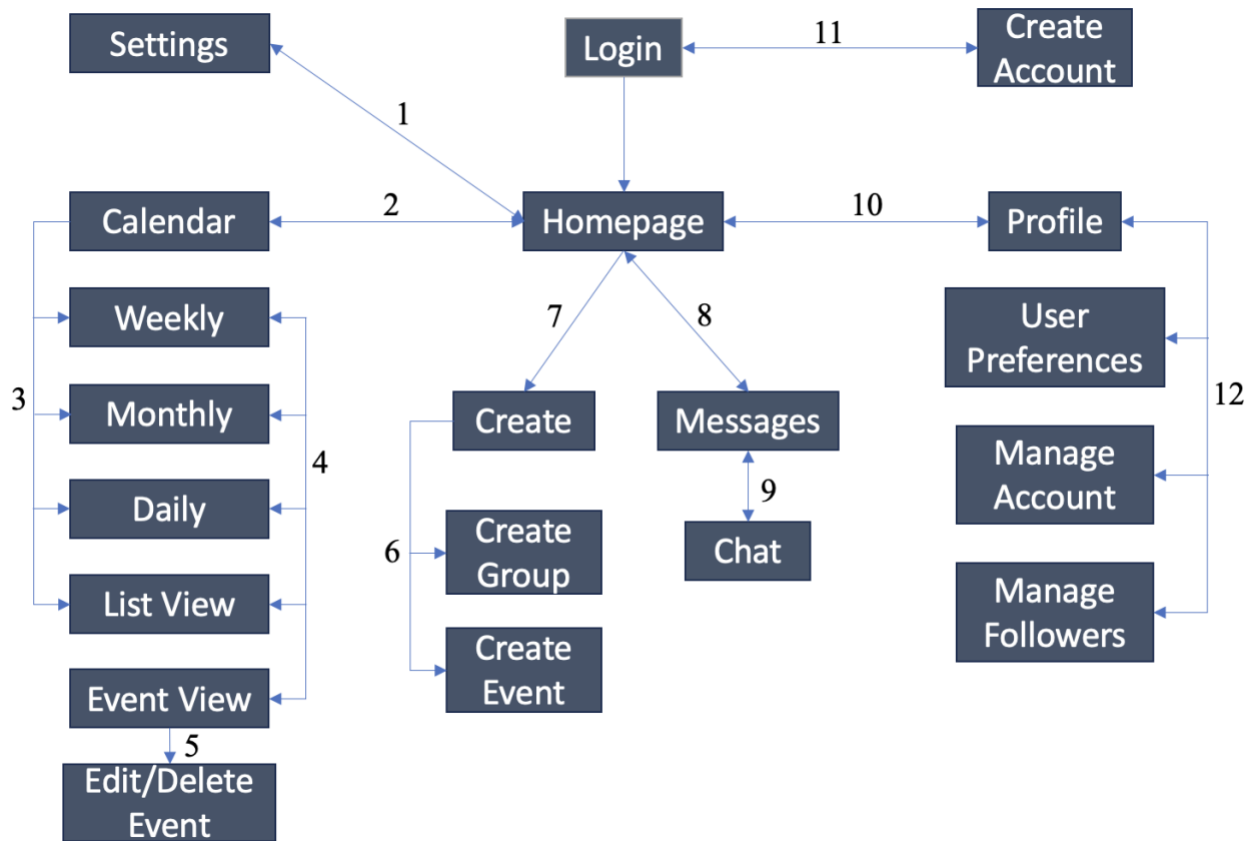
- **To Do:** Tracks the TO DO list for a user. The TO DOs are reminders added to the user's calendar list view.
 - To Do ID
 - Title
 - Description
 - Due Date (if applicable)
 - Remind Me (Time before Due Date)
- **Tag:** Tracks the tags created by the user to add onto events, assignments, or TO DOs.
 - Tag ID
 - Name

Relational Tables

- **User-Tag:** Tracks the tags that a user has.
 - User ID
 - Tag ID
- **User-Assignment:** Tracks the assignments that a user has.
 - User ID
 - Assignment ID
- **User-To Do:** Tracks the TO DOs that a user has.
 - User ID
 - To Do ID
- **Group-Event:** Tracks the events that a group has.
 - Group ID
 - Event ID
- **To Do-Tag:** Tracks the tags that a To Do has.
 - To Do ID
 - Tag ID
- **Assignment-Tag:** Tracks the tags that an assignment has.
 - Assignment ID
 - Tag ID
- **Event-Tag:** Tracks the tags that an assignment has.
 - Event ID
 - Tag ID

- **Send:** Tracks messages that a user sends.
 - Message ID
 - User ID
- **Receive:** Tracks messages that a user or group receives.
 - Message ID
 - User ID
 - Group ID (if applicable)
- **Event Permissions:** Tracks a user's events and events they manage.
 - User ID
 - Event ID
 - Is Manager
 - Manager ID (if applicable)
- **Group Permissions:** Tracks a user's groups and groups they administrate.
 - User ID
 - Group ID
 - Is Administrator
 - Administrator ID (if applicable)

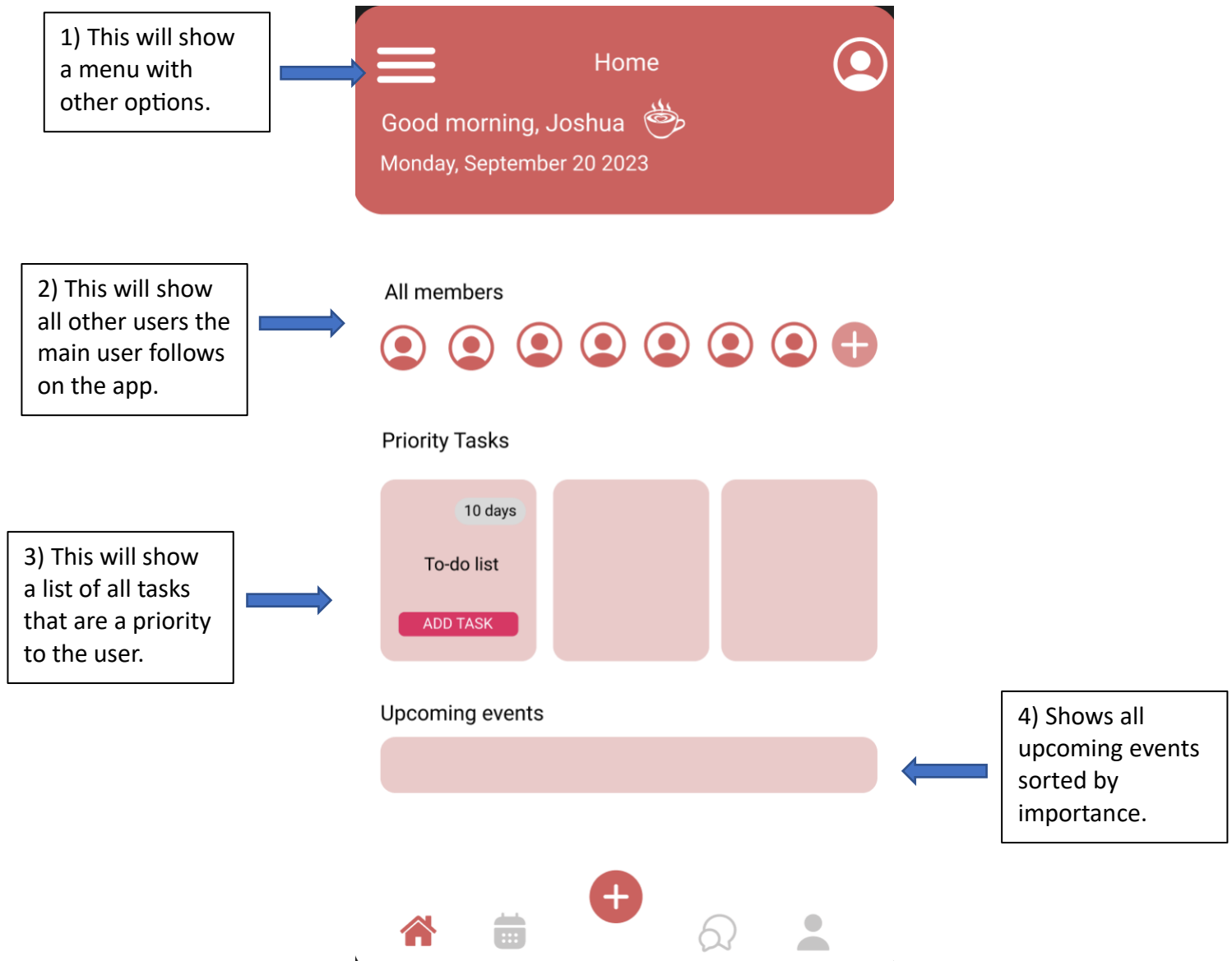
Screen Flow Diagram



1. Navbar
2. Navbar
3. Calendar Dropdown Button (Upper Righthand Corner) – Switch between calendar views
4. Click on an Event, an Assignment, or a To-Do from the Calendar View **OR** Click Back Button (Upper Lefthand Corner) – Brings user back to Calendar View
5. Event Dropdown Button (Upper Righthand Corner) – Options to delete or edit the event, assignment, or to-do
6. Select “Create Group” or “Create Event”
7. Navbar
8. Navbar
9. Select Chat the User wishes to view **OR** Click Back Button (Upper Lefthand Corner) – Brings user back to messages page
10. Navbar
11. Clicks “Create Account” – From login **OR** Clicks “Create Account” – From create account
12. Clicks Back Button (Upper Lefthand Corner) – To get back to Profile **OR** Clicks on “User Preferences” or “Manage Account” or “Manage Followers”

Screen Sketches

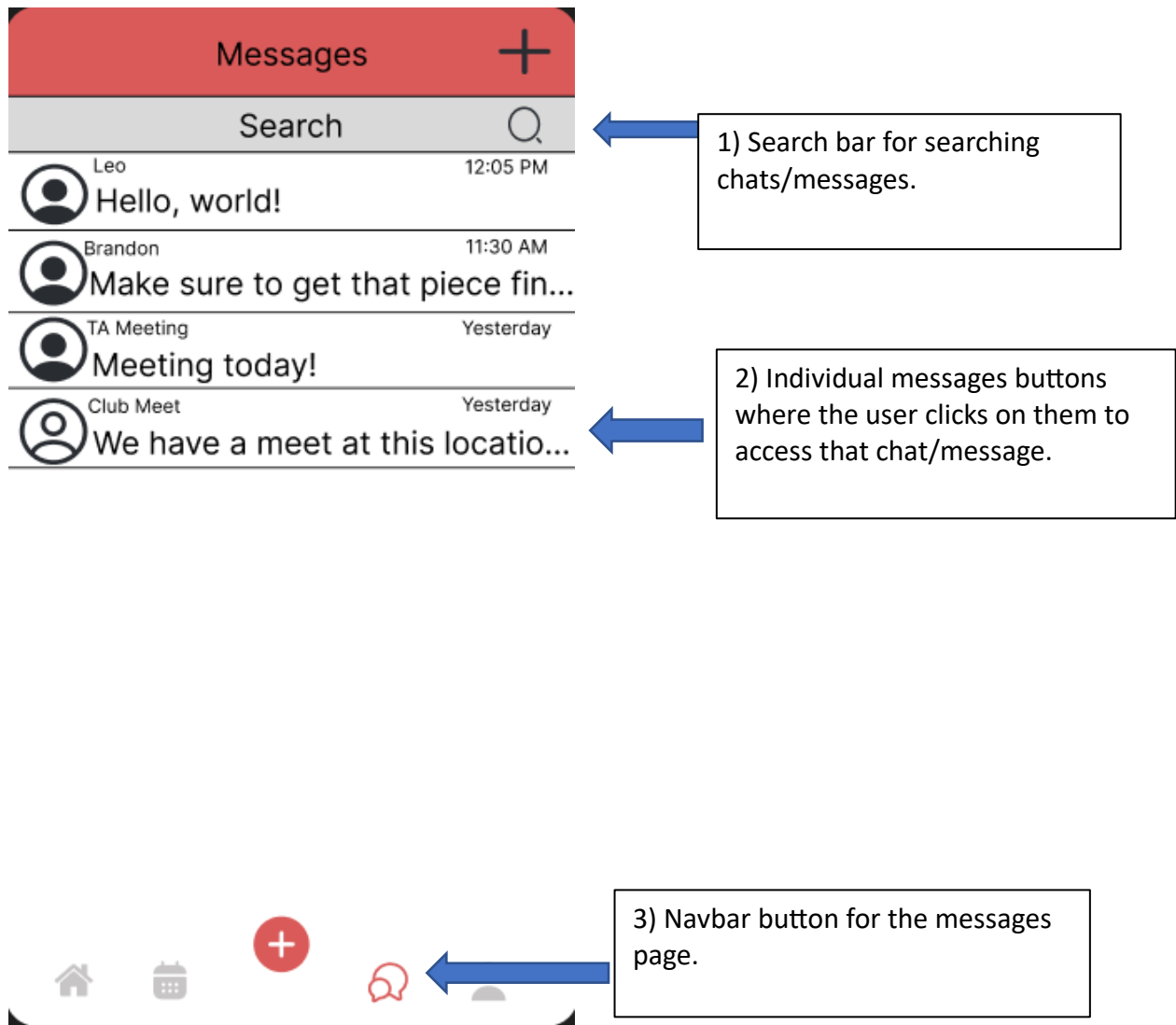
Screen 1 – Homepage – Joshua



Screen 1 Homepage:

This page is the main page which the user will see right after opening the app. The user will be able to customize what is shown in this page but, by default, this page will show other users the main user has added as members, priority tasks such to-do lists, assignments, and important upcoming events. Also, on the top part of this page, the user will be able to see some important information such as the date and also the ability to access more options by tapping on the navigation bar which will slide in from the left.

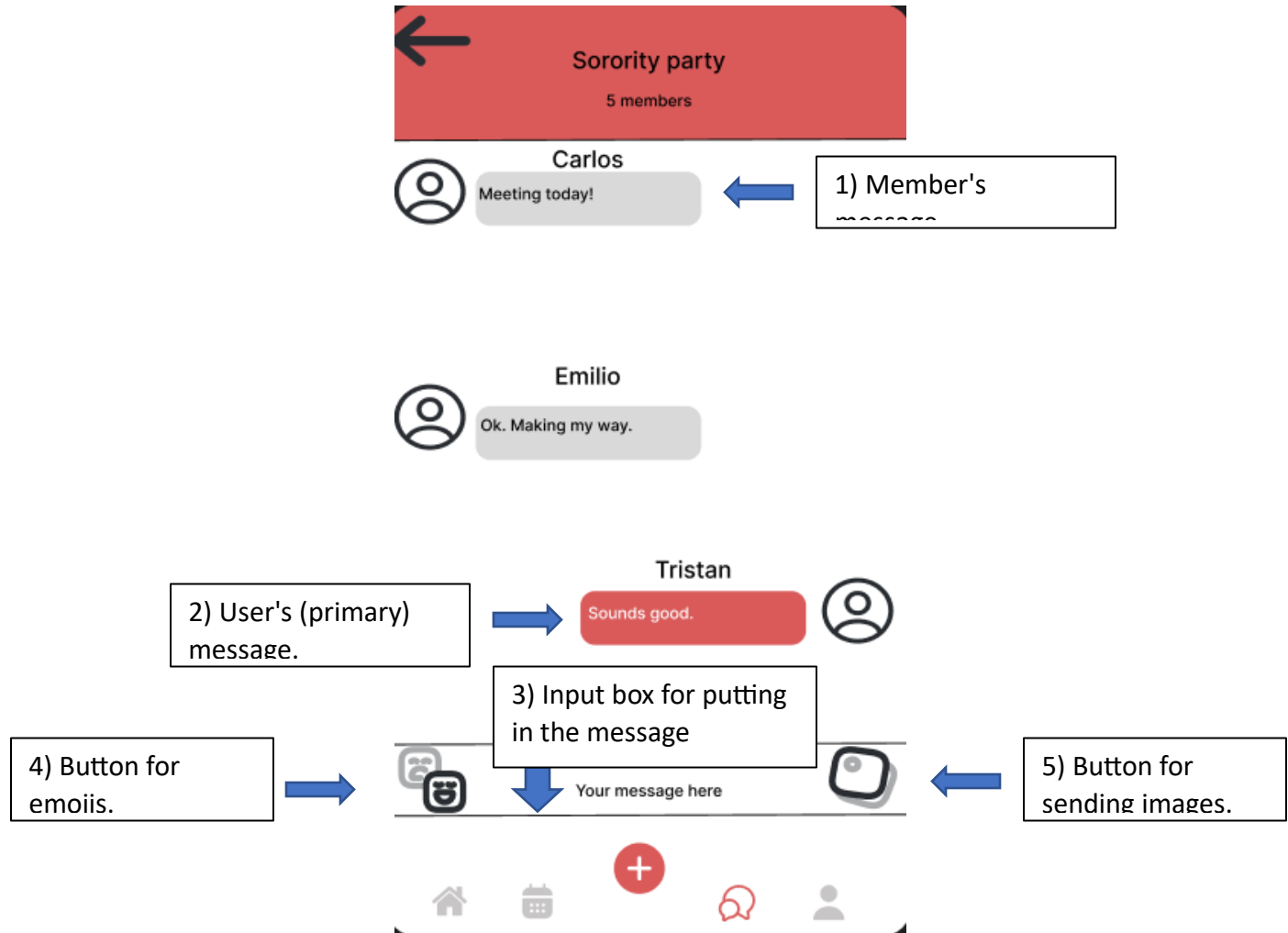
Screen 2 – ALL Messages View – Tristan Nono



Screen 2 ALL Messages View:

The user on this page is displayed all the messages they have for certain members or events/groups. Each message displays information such as the last message sent in the chat, the name of the member or group, and the time of when it was sent, and they can click on any one of them which then brings them to that specific chat. If it's today the time will be displayed and if it was yesterday or let's say Monday from 2 days ago, it will state that on the chat. The search bar allows the user to search up chats if they want to find a specific one (if they have a lot of messages for certain things. How the user can access this is through the chat tab on the navbar. The cross button is for when the user wants to create a group chat or a message.

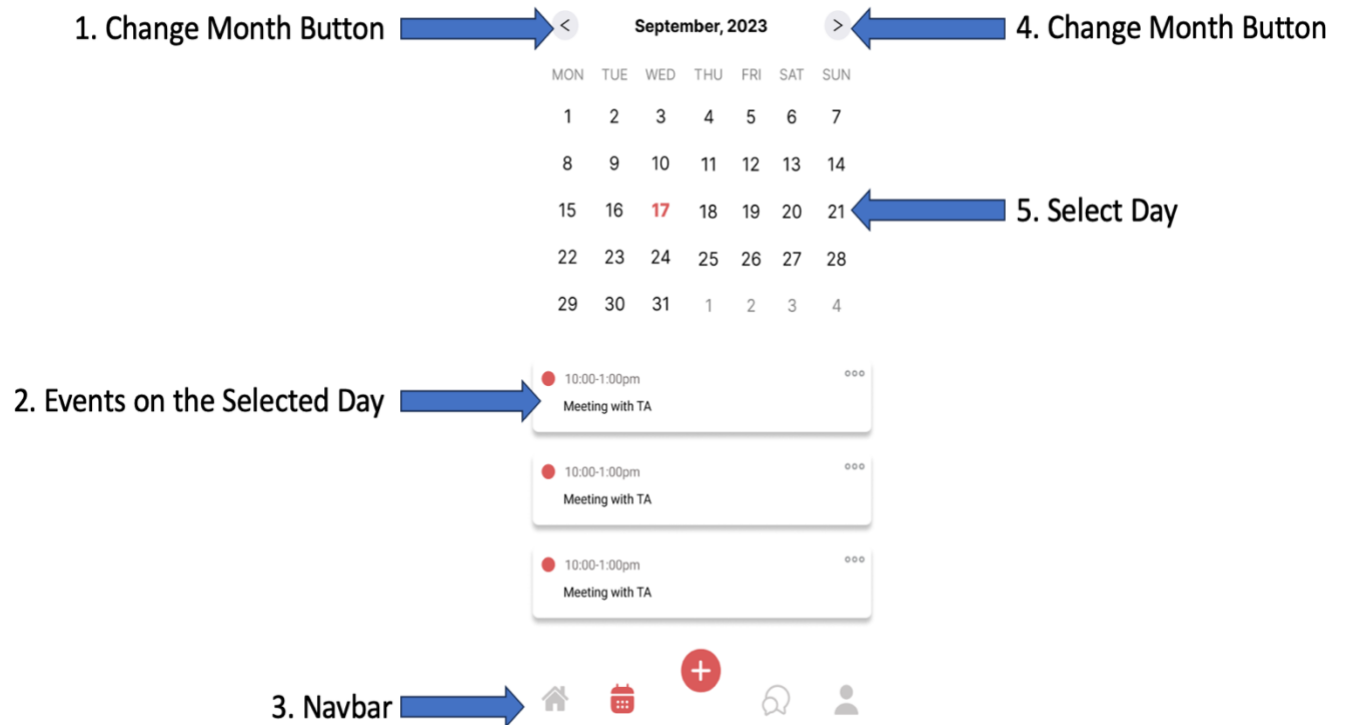
Screen 3 – Message View – Tristan Nono



Screen 3 Message View:

This is where the user can view their individual messages/chats. The user will always be on the right side with their text box being colored indicating that this is you, the user. The members or other users will be on the left side of the chat with their text box being a grey color saying that these are other users and for more indication the chats will show who said the message (their name) while displaying their profile picture. The user can type their message in the message box that states, “Your message here” and send in other information, the faces mean emojis and the icon to the right means attachments like pictures for example. The user can access this page at first with the all-message view page but they also must be in the message tab within the navbar. Also, the back button goes back to the all message view page so that the user can switch between messages.

Screen 4 – Calendar View (Monthly) - Joshua



Screen 4 Calendar View (Monthly View):

The calendar views the main functionality of our app. This one is the monthly view for the calendar which displays to the user the calendar in months showing the entire month on the calendar and displaying the current date [5] as of today through highlighting the current day on the calendar. The user can change the month through clicking the arrow buttons at the top right [4] and the top left [1] of the screen. This screen also displays the events planned out for today [2] and the time when the event will occur. The user can create events through the circle cross button in the middle of the navbar [3]. This page can be accessed through the calendar button on the navbar [3].

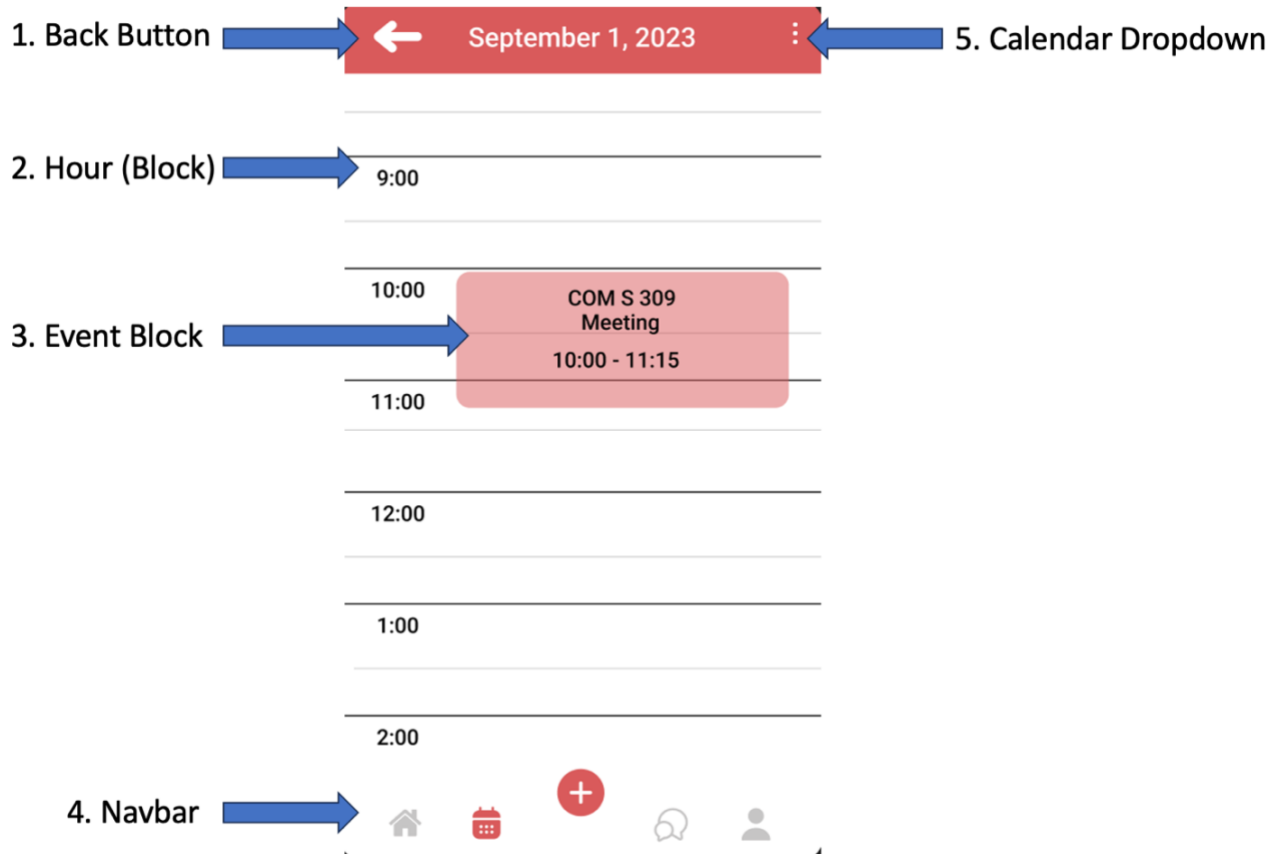
Screen 5 – Calendar View (Weekly) – Melani Hodge



Screen 5 Calendar View (Weekly View):

The weekly view for the calendar allows the user to view the calendar in weekly view format. This allows the user to know what events they have today or are upcoming in the form of blocks. Each day has its own events depending on what the user has on their calendar and the lines are assignments for class [6] (incorporated from the Canvas To-Do page). The user can swipe left or right on the screen to view more days of the week [5]. Any item can have a descriptive tag [2] so that the user can differentiate between events. The user will have the ability to click on an event [7], an assignment [6], or a to-do item [6] to show a popup of the item. From the popup, the user will have the ability to click into the item to view more information on the item. The user can switch from different calendar views through the dropdown [4]. The user will also have the ability to go to the previously visited page through the back button [1]. Also, the navbar [3] will be on this page which allows the user to navigate within the app and to create events.

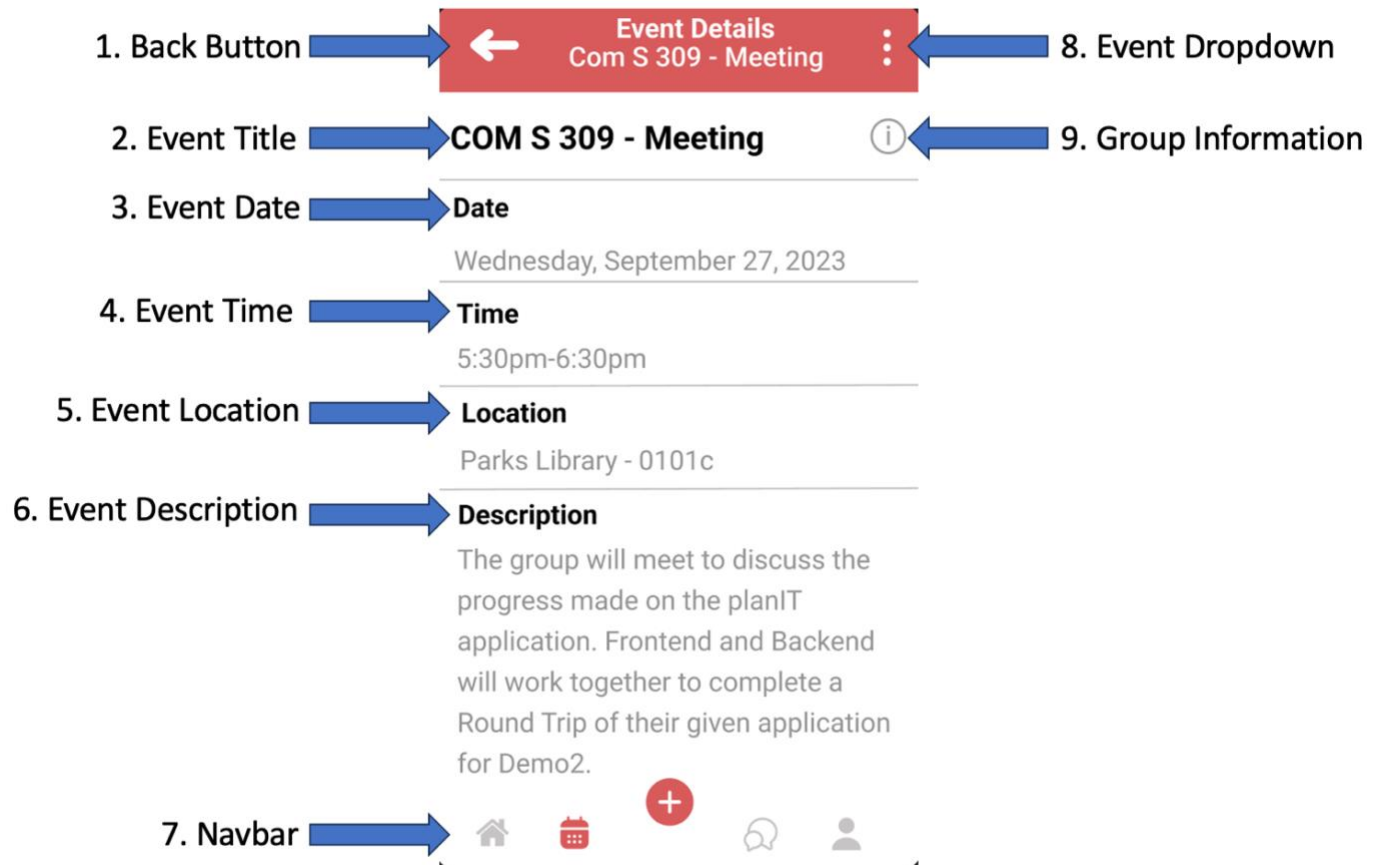
Screen 6 – Calendar View (Daily) – Melani Hodge



Screen 6 Calendar View (Daily View):

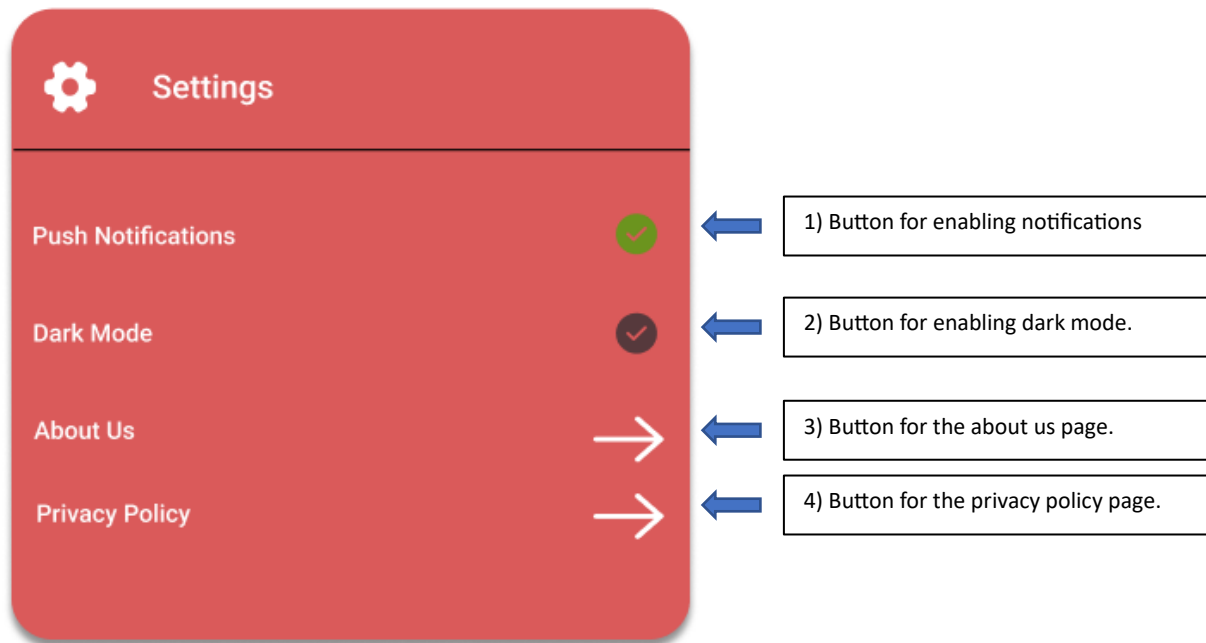
The daily calendar view is one of the calendar views. A user can see their events [3], assignments, or to-do items in a daily view. The daily calendar shows each hour [2] as the dark line and each half hours as the light colored line. Events will be visible on the daily calendar view in a block of time [3]. Assignments and to-do items will be visible in the daily calendar view as a line at the due date. The user will have the ability to click on an event [3], an assignment, or a to-do item to show a popup of the item. From the popup, the user will have the ability to click into the item to view more information on the item. The user can switch from different calendar views through the dropdown [5]. The user will also have the ability to go to the previously visited page through the back button [1]. The user can also switch to the homepage, chats page, or profile page and create events or groups from the navbar [4].

Screen 7 – Event View – Melani Hodge



Screen 7 Event View:

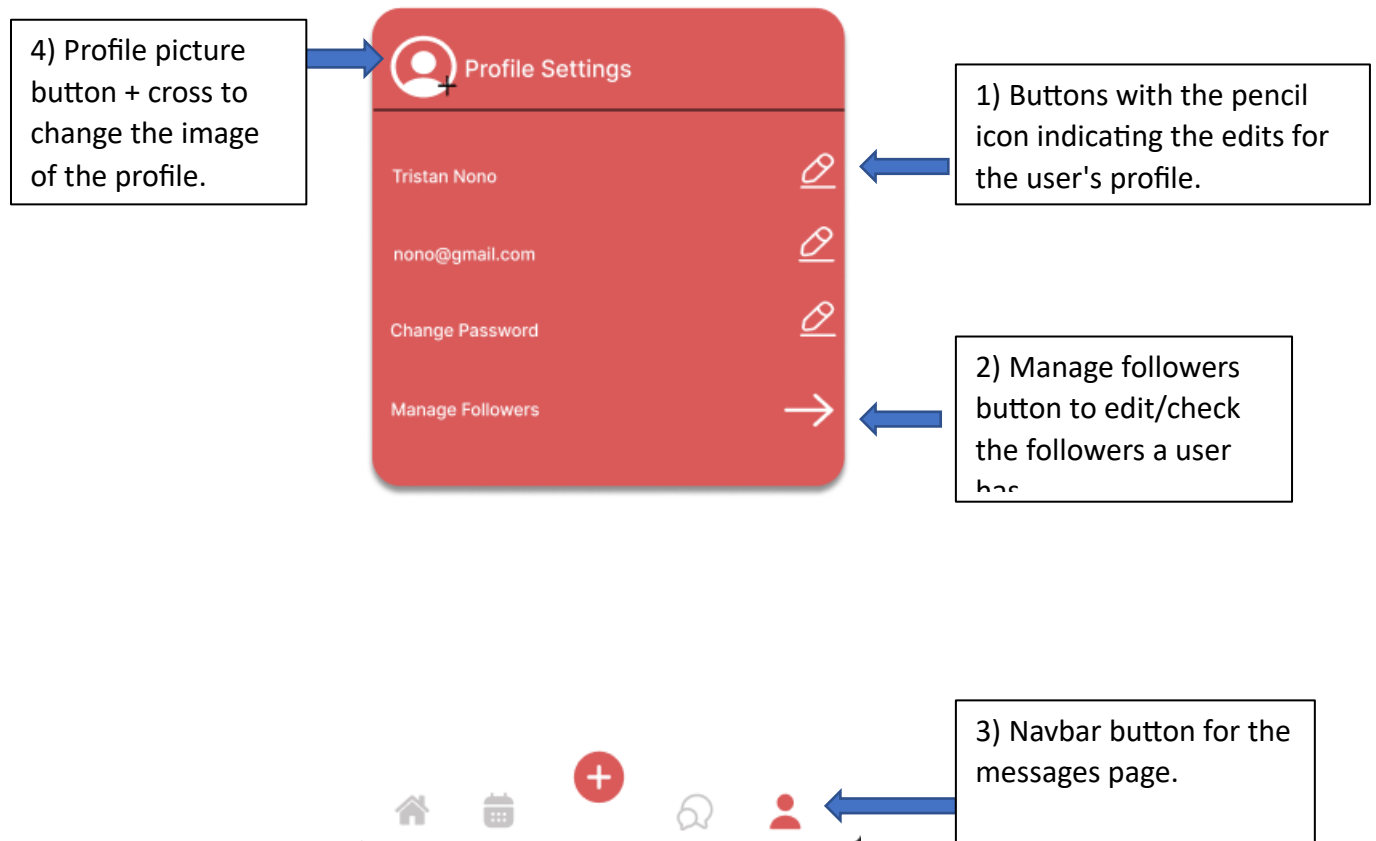
This screen allows a user to view more details of an event, an assignment, or a to-do item in full screen. From this page and from the button in the upper right hand corner, the user will have the ability to update or delete the event or item [8]. When the user clicks the back arrow, they will be redirected back to the calendar page they were previously on [1]. The information button will give information pertaining to the group and the members in the group [9]. The event information like the title [2], date [3], time [4], location [5], and description [6] will be present on this page. The user can also switch to the homepage, chats page, or profile page and create events or groups from the navbar [4].



Screen 8 Settings Page:

This is the settings page where user can change preferences for the app such as the notifications and whether if the app can be in dark mode or not. The user can also read the about us for more information on the app or the privacy policy to go over how the user's information is protected. Those two buttons should take the user to a page where they can read the information.

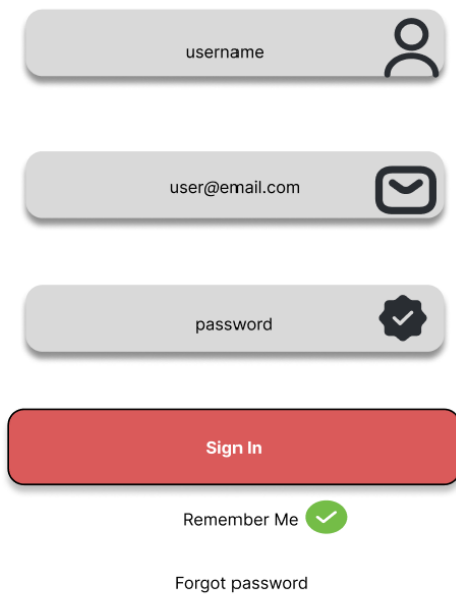
Screen 9 – Profile Page – Tristan Nono



Screen 9 Profile Page:

This screen/page is accessed from the navbar by clicking the guy/profile icon as shown (the lit up one) basically this brings the user to the profile settings page where they can change their profile information such as username, email, password, and they can also check the amount of followers/members/friends they have and manage them to see who to add and who to remove. Another function for the user is the ability to change their profile picture by clicking the cross or icon of their profile picture which then should bring up the user's photos gallery and they can choose between what picture they want while also giving them the ability to crop it to fit the size of it.

Create your new account



The form consists of four main components: three input fields and one action button. The first input field is for the 'username', featuring a light gray background, rounded corners, and a user icon on the right. The second input field is for the email address, with a placeholder 'user@email.com' and an envelope icon on the right. The third input field is for the 'password', with a placeholder 'password' and a lock icon on the right. Below these fields is a prominent red 'Sign In' button with white text. Underneath the button are two links: 'Remember Me' with a green checkmark icon, and 'Forgot password'.

username

user@email.com

password

Sign In

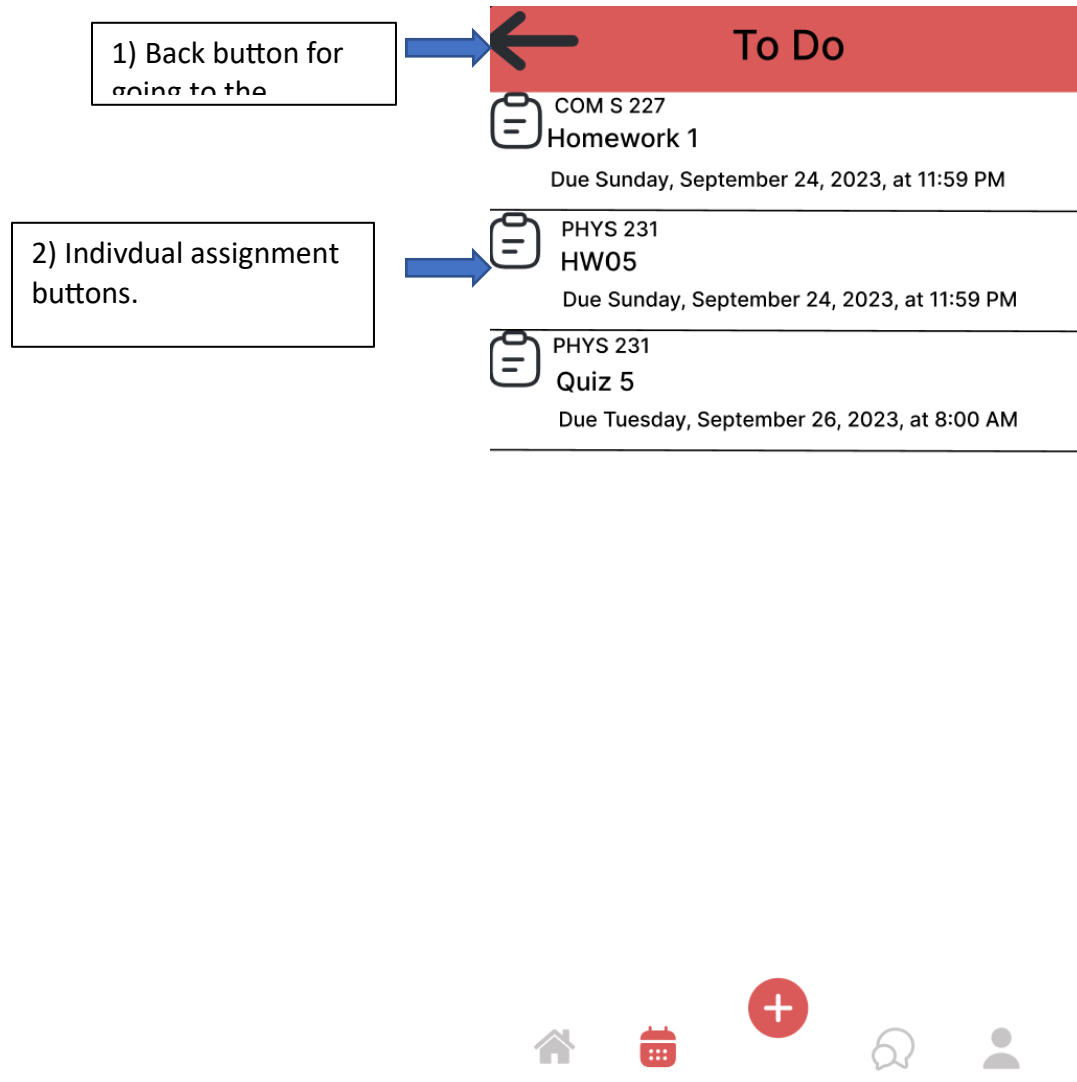
Remember Me ☒

[Forgot password](#)

Screen 10 Create Account Page:

This page allows the user to create their account by typing in their information with the corresponding text boxes (as stated from Screen 9). After the user is done, they can create/sign in the app. Remember me is there same functionally from Screen 9 so the user's information can be stored and they don't have to reinput it again. Forgot password so the user's password can be reset.

Screen 11 – To Do List Page (Canvas Assignments) - Tristan Nono



Screen 11 To Do List Page:

The To Do List Page is similar to how Canvas has it (once it gets integrated within our app). The list provides the user with what they have due for assignments with the one that will be due the soonest up top and the later assignments being more down the list to give sense of organization and a feeling of what should get done first. The user can access this page within the calendar tab on the navbar. Also, the back button is used to go back to the calendar page.

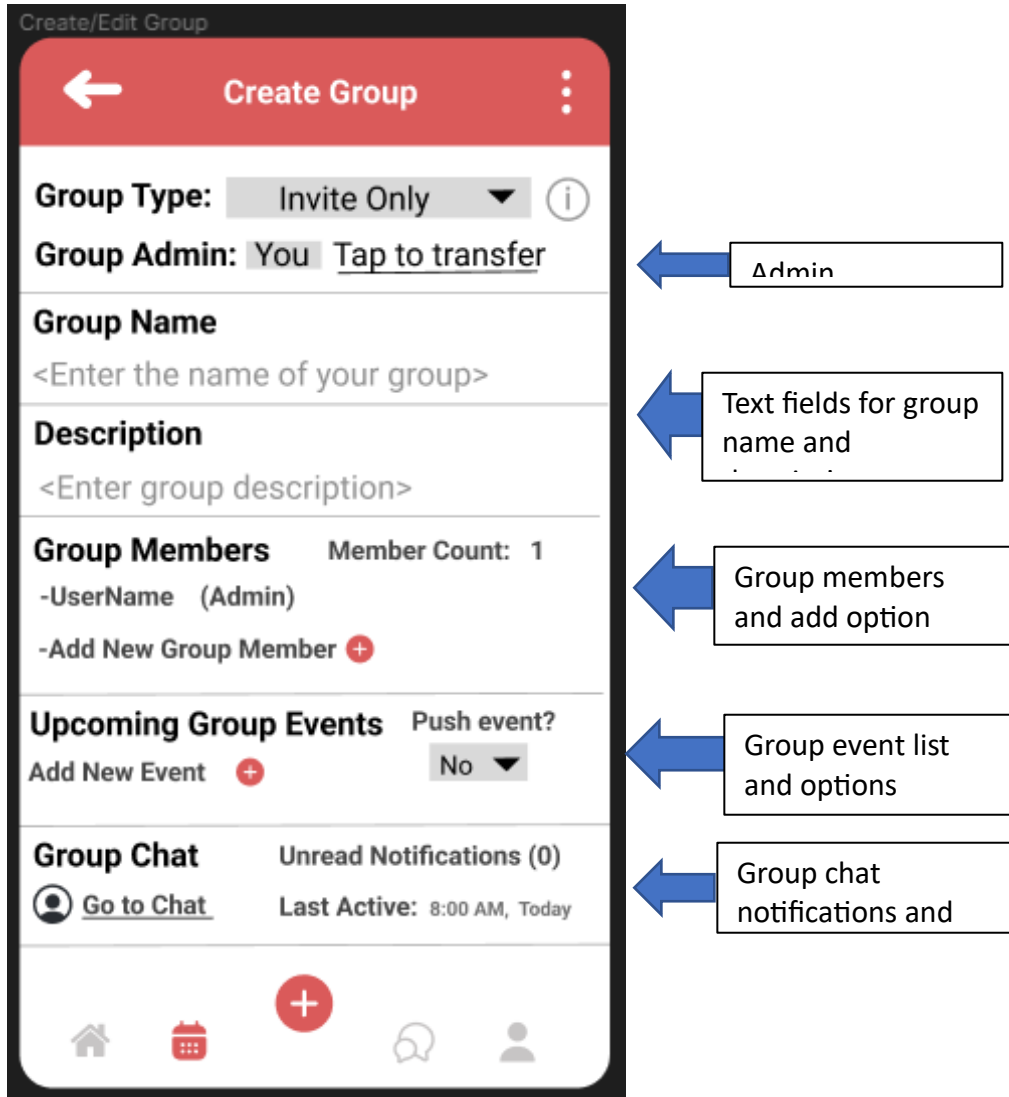
The screenshot shows a mobile app interface for creating or editing an event. The title bar is red with a back arrow, 'Create Event', and a menu icon. Below the title bar, the 'Event Type' is set to 'Private' with a dropdown arrow and an info icon. The 'Event Name' field has a placeholder '<Enter the name of your event>'. The 'Date' section includes 'Start date: MM/DD' and 'End date: MM/DD'. The 'Time' section includes 'Start time: 00:00 AM' and 'End time: 00:00 AM', each with a dropdown arrow. The 'Location' field has a placeholder '<Enter event location>'. The 'Description' field has a placeholder '<Enter event description>'. At the bottom, there is a navigation bar with icons for home, calendar, a red plus button, chat, and profile. Two blue arrows point to the 'Date' and 'Time' sections from external text boxes. The first box says 'Enter Event Date and time info' and points to the 'Date' section. The second box says 'Text fields to enter location and' and points to the 'Location' and 'Description' fields.

Enter Event Date and time info

Text fields to enter location and

Screen 12 Create/Edit Event Page:

This is the screen a user sees when they select the 'Create Event' option, or the option to edit an event that already exists. At the top 'Event Type' lets the user select from different options from a drop down menu that determine factors such as whether or not the event is visible/viewable by your groups or contacts. The user then can enter the name of their event, the description, and location. By default, the date options autofill to the current date, and if the start date is changed then the end date will automatically adjust to not be earlier than the start. The same functionality applies to the time options, but with the addition of an option to select AM or PM.



Screen 13 Create/Edit Group Page:

This is the screen a user sees when they choose the option to create an event or choose the edit option on an event they've already created. The 'group type' option determines parameters such as how new members can join a group. When a user creates an event, they automatically become the group's administrator, but they have the option to transfer ownership to another group member. Group name and group description are basic fields. 'Group Members' displays the list of current group members, and the option to invite new members. 'Upcoming Group Events' tracks events attached to this group, with the option to push the event to the other group members. The 'Group Chat' section displays the activity of the group's chat channel along with a link to take you to the channel itself.