Screen Sketches

2_hb_1

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AutoSched

Actors:

Student
- Access to personal schedule
- Can reach out to other students to try to make a collaborative schedule
- View friends' schedules if available

Instructor/TA
- Can see schedule of students in class
- Can create a collaborative schedule for students
- Can create groups of students in class

Admin
- Can delete schedules
- Have access to all student's schedules
- Make groups with anyone

Scalability - If thousands of students are to use the app, it must be able

to support that many

Non-functional requirements:

Scalability

- If thousands of students are to use the app, it must be able to support that many

Reliability

- Since students will depend on app to know when and where to meet, we must be able to always support users
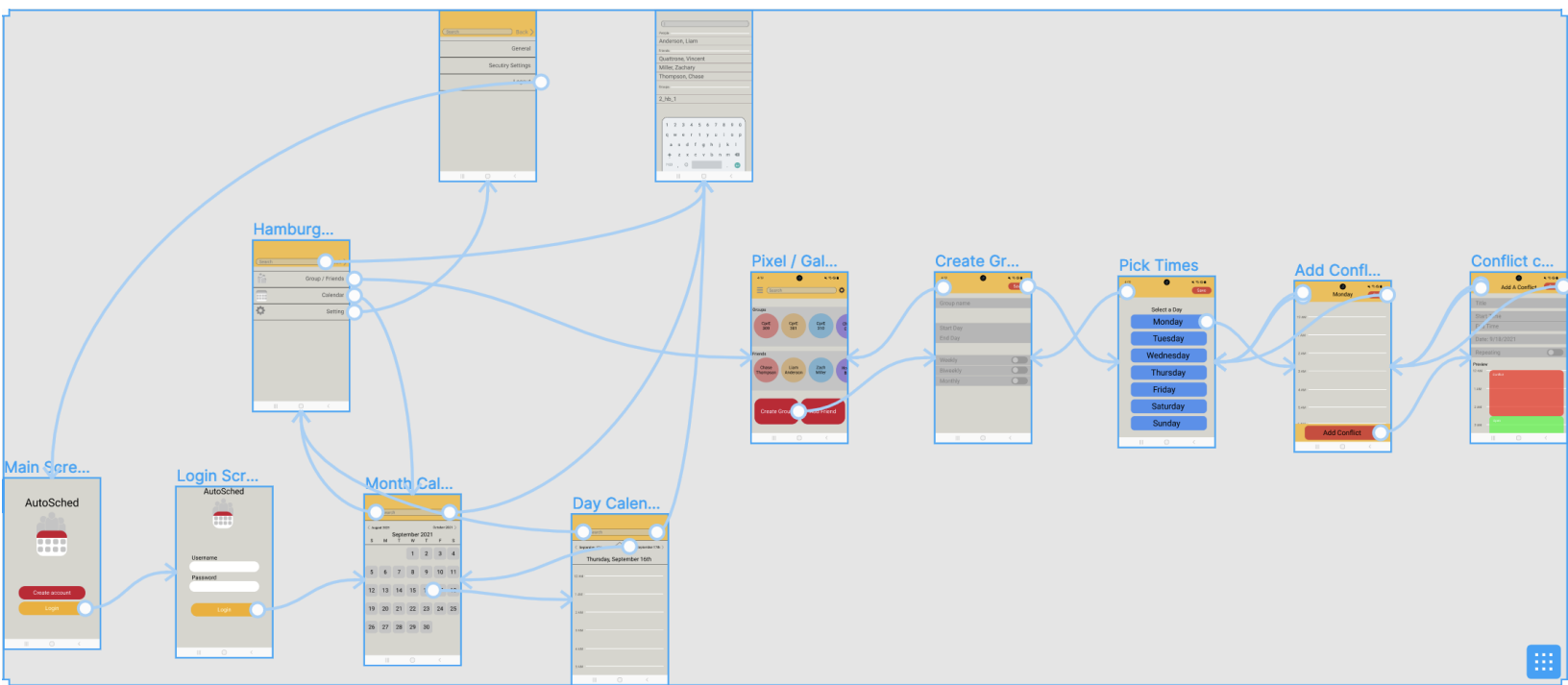
Maintainability

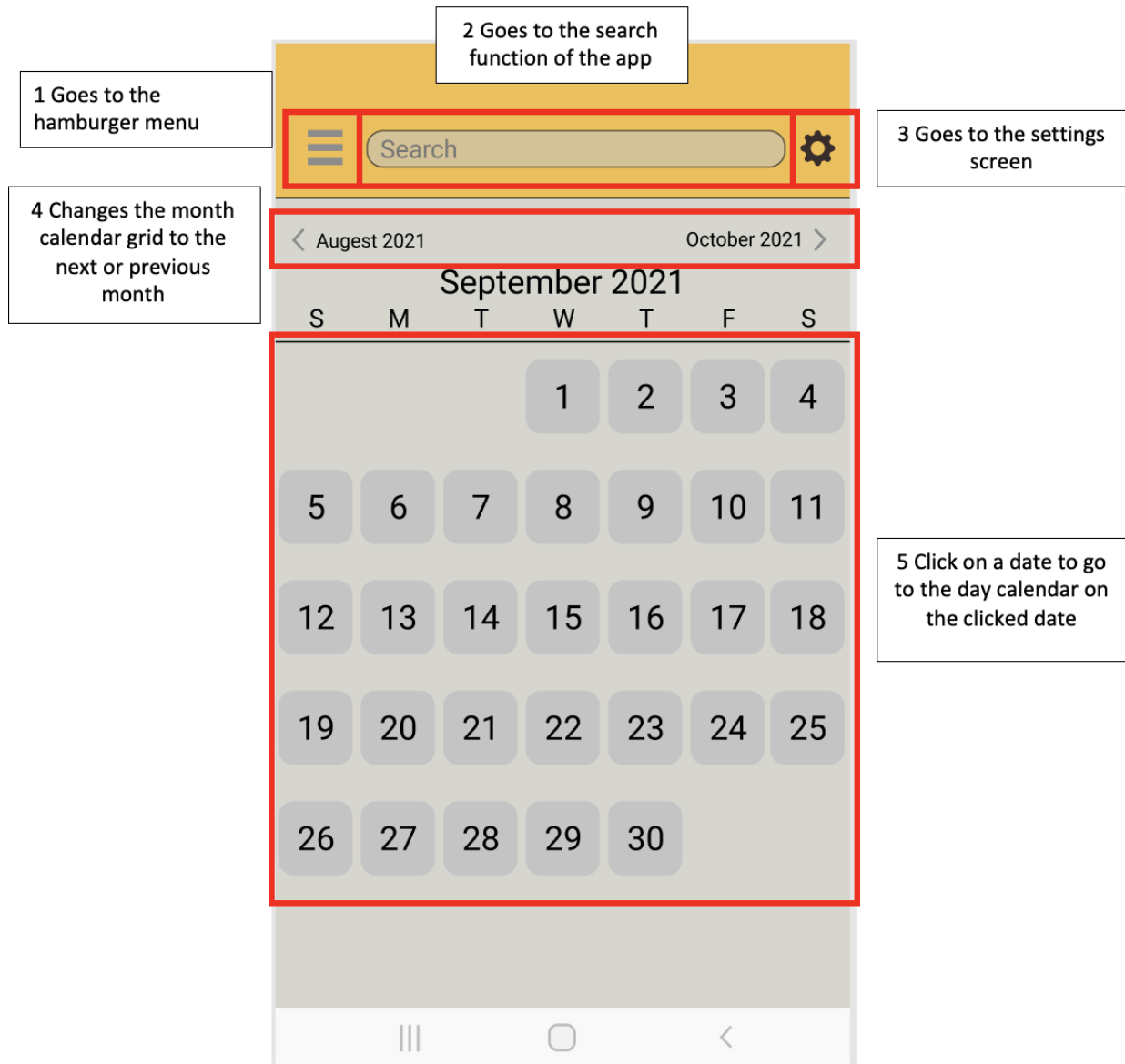- Must be able to maintain many users without drops in the system

Tables and Fields:

- Users: Information about users' accounts
  - User ID
  - User hashed password
  - User email
  - User Privacy preferences
  - Class schedule and other saved events
- Permissions
  - Permission ID
  - User IDs
- Groups
  - Group ID
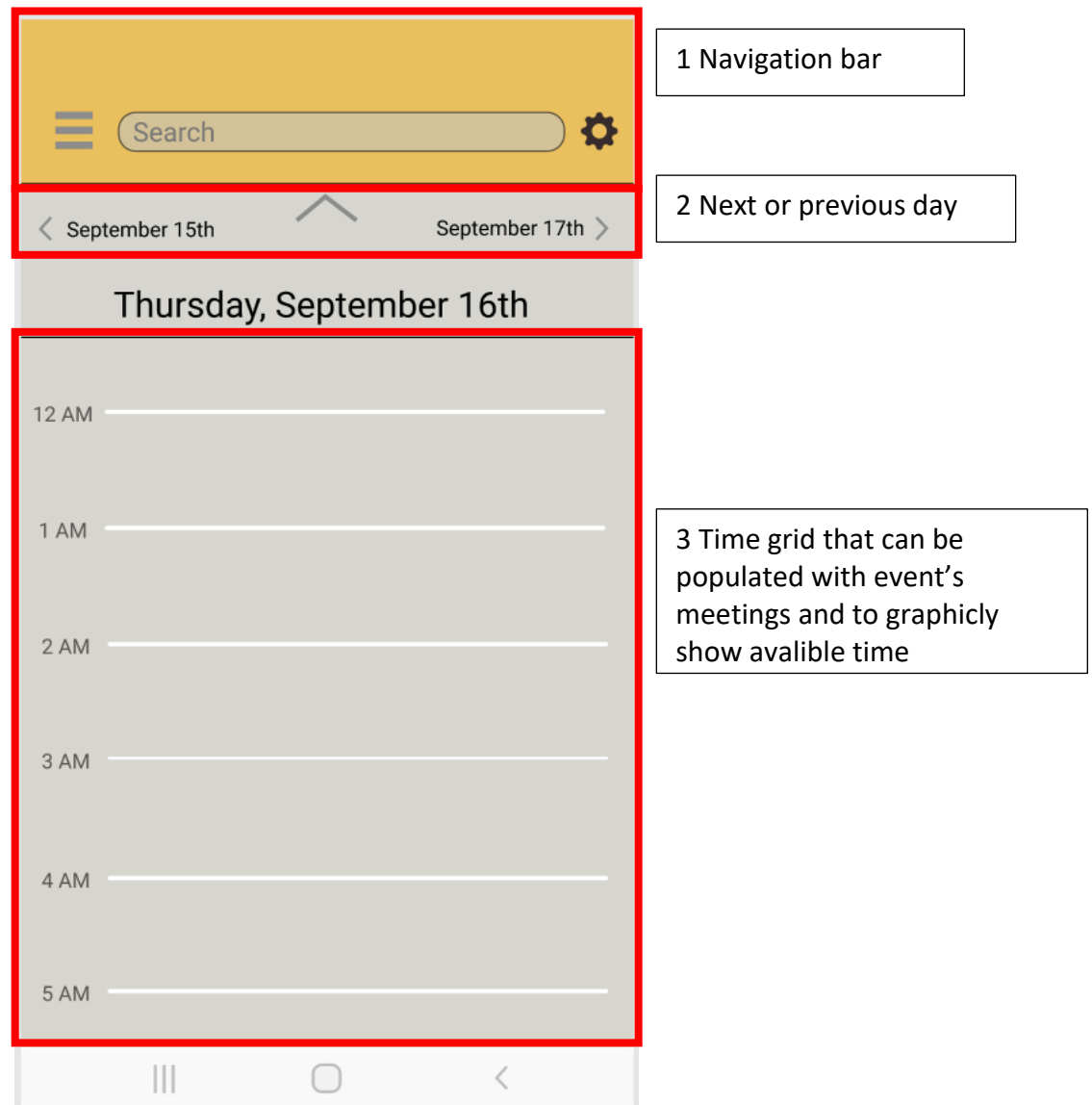 - User IDs
  - Admin IDs

Screen flow:

Main Scre...

Login Scr...

Hamburg...

Month Cal...

Day Calen...

Pixel / Gal...

Create Gr...

Pick Times

Add Confl...

Conflict c...

Month Calendar (Liam Anderson)

2 Goes to the search function of the app

1 Goes to the hamburger menu

3 Goes to the settings screen

4 Changes the month calendar grid to the next or previous month

Search

< Augest 2021   October 2021 >

September 2021

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

5 Click on a date to go to the day calendar on the clicked date

This screen is the main Calendar screen used to graphicly select a date. It also has the bar up top to navigate to other parts of the app.

(1) Button to navigate to the hamburger screen. (2) Clicking on search bar to utilize the search function of the app. (3) Goes to settings. (4) Used to go back or forward a month and update the calendar grid. (5) The calendar day grid that are each a button to go to the days' time grid
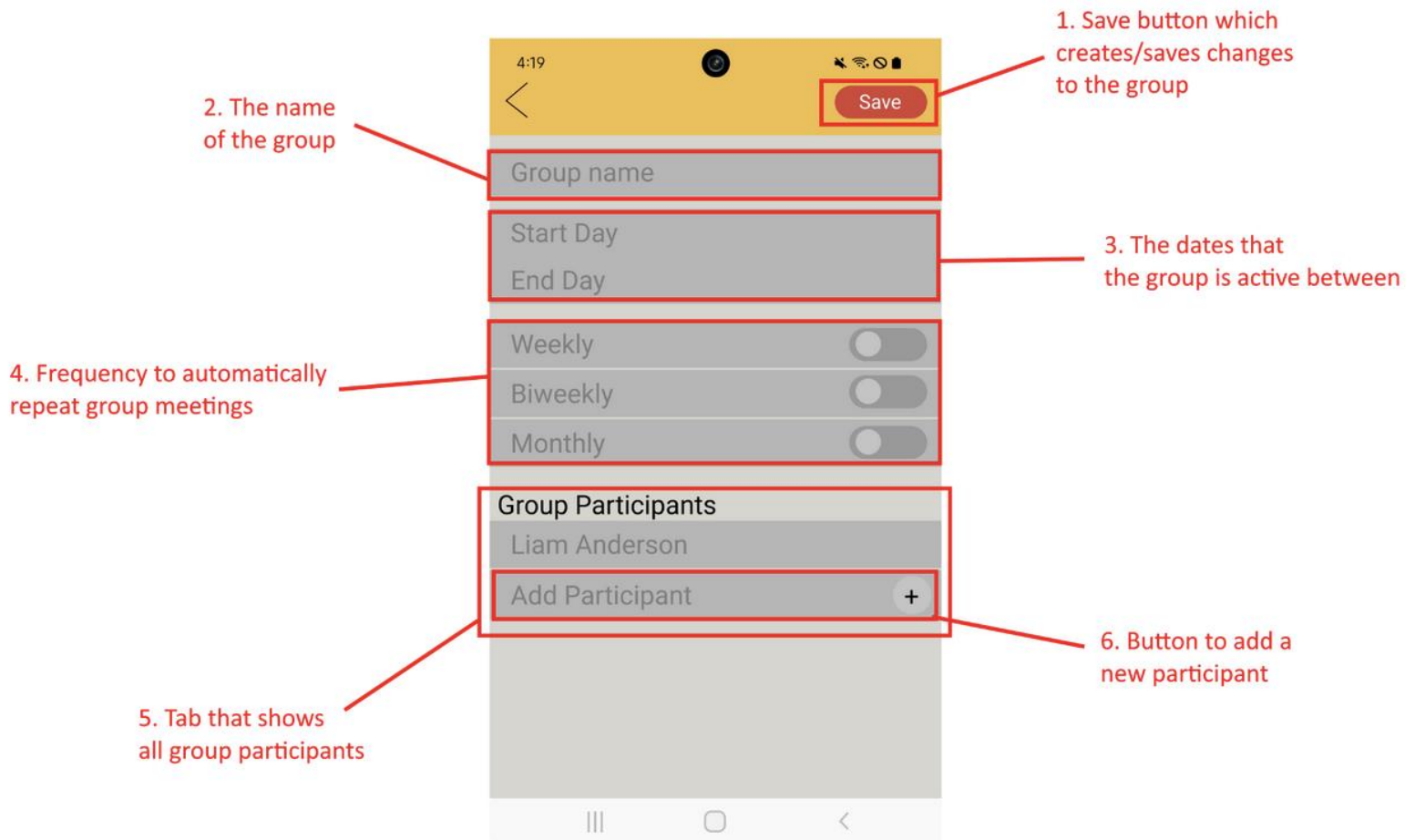
Day Calendar (Liam Anderson)

1 Navigation bar

2 Next or previous day

3 Time grid that can be populated with event's meetings and to graphicly show avalible time

Search

September 15th   September 17th

Thursday, September 16th

12 AM

1 AM

2 AM

3 AM

4 AM

5 AM

This is a day's time grid. It will be populated with class schedule for the day and other reserved time. It can also be used to show compared group schedules to show available time for everyone.

(1) Navigation bar to get to other parts of the app. (2) Used to go forward or backwards a day and update the time grid. (3) Time grid to graphicly show event's schedules and available time
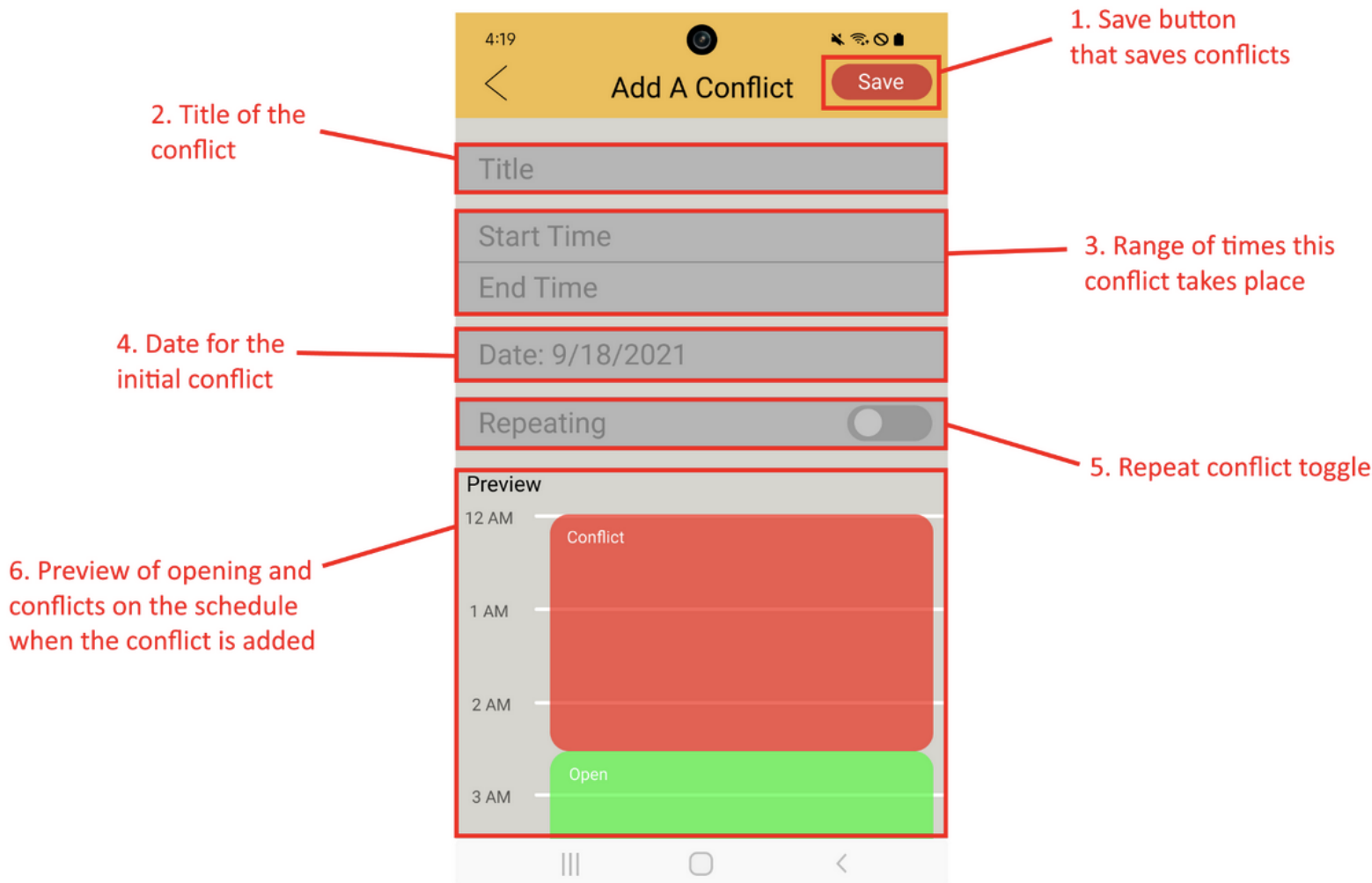
(Create Group Screen. Chase Thompson)

1. Save button which creates/saves changes to the group

2. The name of the group

3. The dates that the group is active between

4. Frequency to automatically repeat group meetings

5. Tab that shows all group participants

6. Button to add a new participant

The create group screen allows the user to make a grouping of different users to make it easier to add multiple users to a conflict/meeting. This way on the create conflict screen you only have to select one group rather than multiple people. Area 4 also allows for groups to automatically repeat conflicts on a weekly, bi weekly, or month basis that way conflicts don't have to specify when to repeat.

The user can set a name for easy access to the group (2), set dates between which the group will be active for (3), determine frequency of automatic repeat meetings (4), view already added group participants (5), add new participants (6), and save their changes to a group or create a new group with the save button (1). Pressing the Add Participants button (6) will take the user to an altered Search Screen and allow the user to select users to add.

(Create Conflict Screen. Chase Thompson)

1. Save button that saves conflicts

2. Title of the conflict

3. Range of times this conflict takes place

4. Date for the initial conflict

5. Repeat conflict toggle

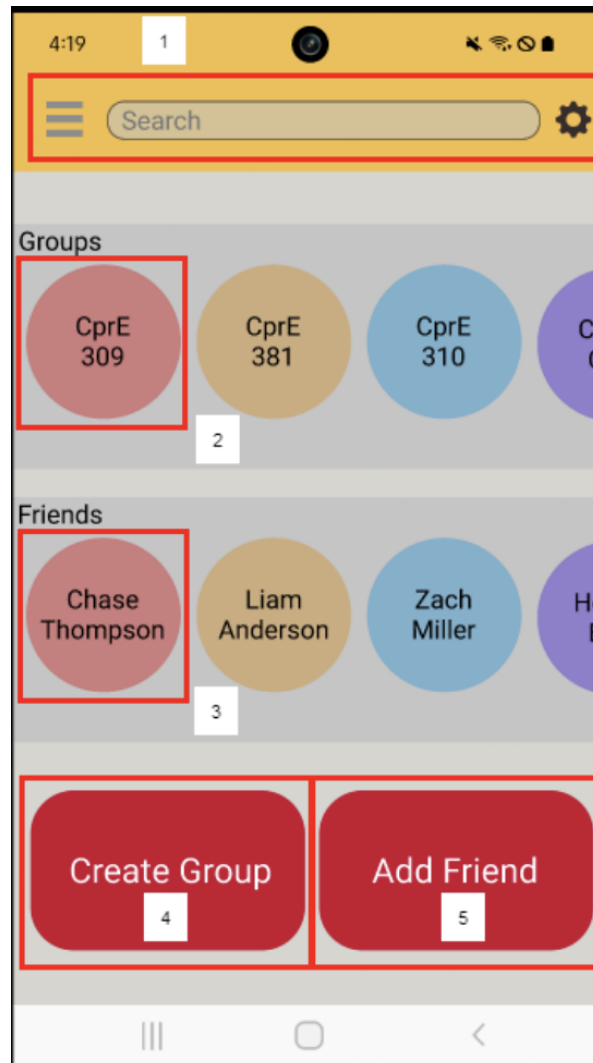6. Preview of opening and conflicts on the schedule when the conflict is added

The create conflict screen allows for a user to create a scheduled conflict for a group or specific person. The user is allowed to set a title for the conflict (2), set a time for it to occur (3), set a date for the initial conflict (4), toggle on or off automatic repeats for this conflict depending on group settings set in the create group screen (5), and even preview what their groups schedule will look like after adding this conflict (6).

When using the schedule preview (6), already existing conflicts are shown in red to represent areas where there cannot be a new conflict, open blocks of time are shown in green, and the current conflict being created will be shown in orange so the user can see how everything will slot together after adding this conflict. Setting a date (4) correlates with the repeat toggle (5) as the date set is the date and day (for example, monday 9/20/21) of the first occurrence of this conflict. However if
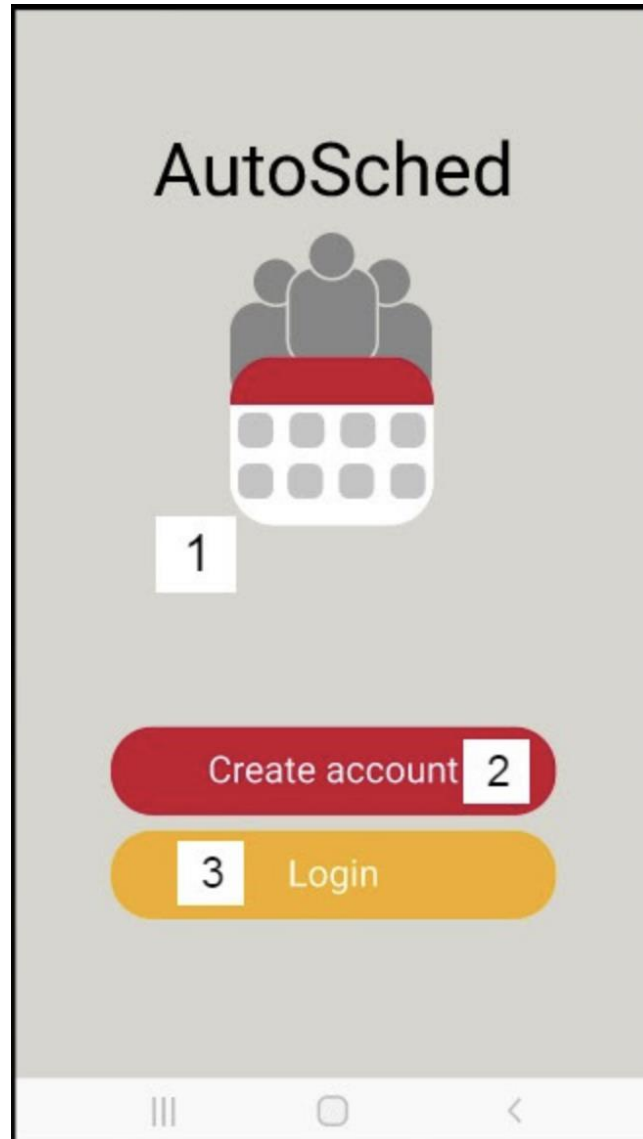
the toggle (5) is on, this meeting will repeat according to the specified groups repeat rules. For example if a group has bi weekly set up, the first conflict will be 9/20/21 on Monday, but the next conflict will automatically be set up for 10/4/21 on Monday. The start time and end time inputs (3) allow the user to specify between what hours they will take place (for example, start time: 8:05pm, end time: 9:05pm). The user can set a name to describe this conflict in the Title (2) input. Finally using the save button (1) the user can save changes if this is a conflict being edited, or create the conflict if this is a new conflict.

This is the main screen of the app, after creating an account or logging in. It can be used to access all main features of the app, including the groups screen, current friends, and the ability to quickly add a new group or friend.
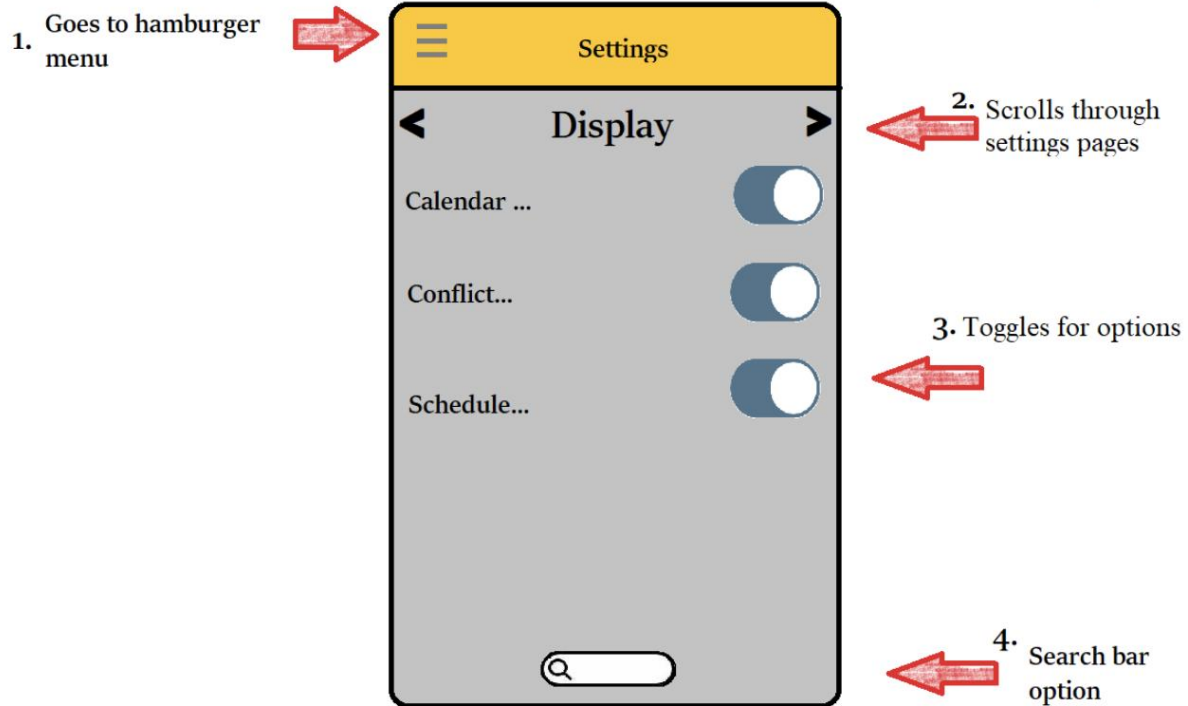
(1) The navigation bar menu of the app. This includes our burger menu which gives access to other features, along with quick access to the search screen and settings screen.(2) Click any of the groups circles brings you to the group menu, (3) which allows you to see the dates the group meets and who is currently in the group (4) The friends circles allow you access any of your currently added friends. (5) This allows access to your mutual group, and if they have any upcoming conflicts. (6) Direct access to the create group screen (7) Direct access to the add friend screen

Since our app requires an account (in order to add friends and know the identity of others), we need a "getting started" screen for our app. This would require the user to create an account, or log into a previously created account.
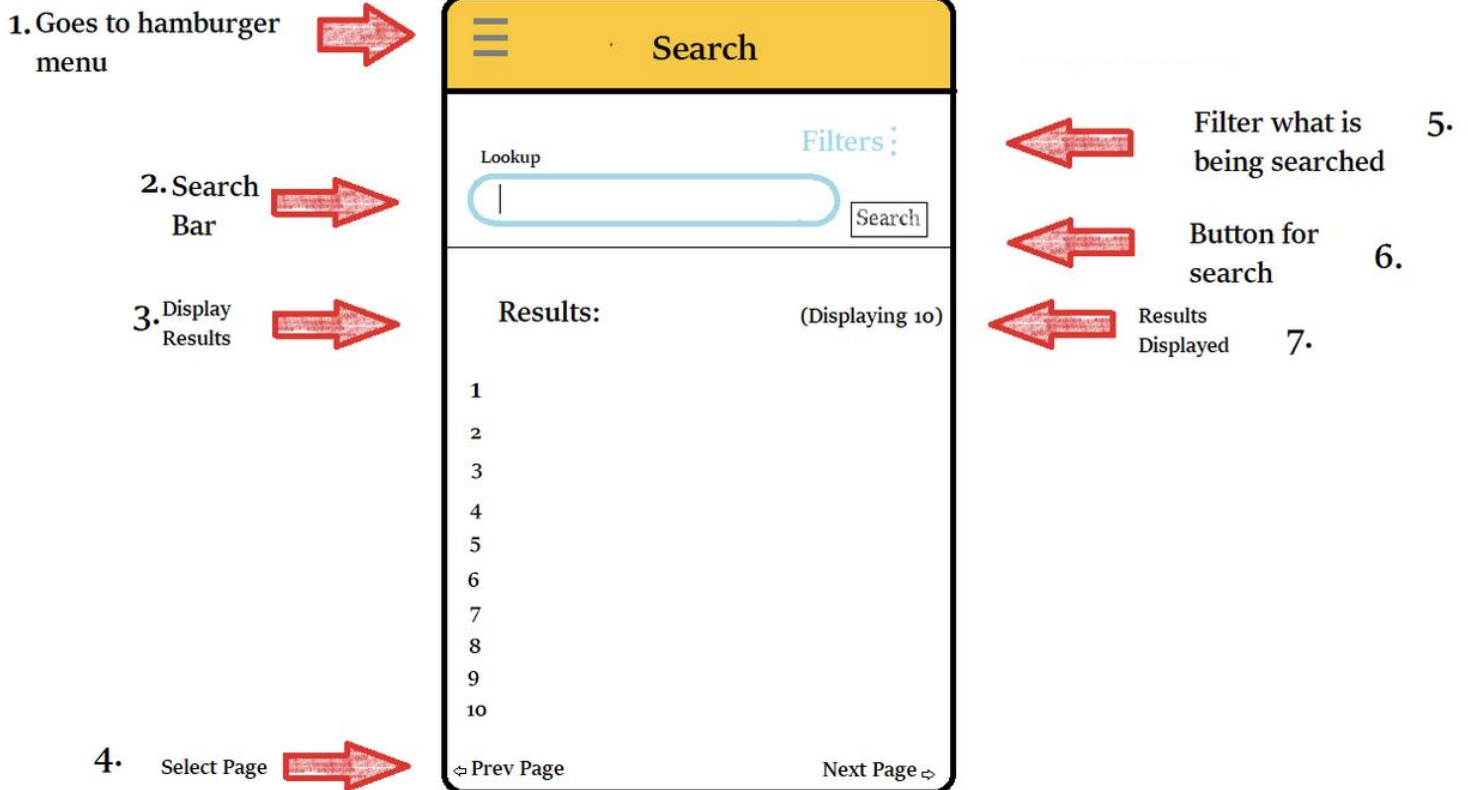
(1) Our logo, designed to include both a calendar and multiple people behind it in order to convey the apps purpose in the sense of a simple vector image (2) Access to the create account screen. This screen will require the user to input information such as name and email address, along with a basic weekly schedule (3) Allows access to login to a previously created account in case you need to log out, or switch devices.

1. Goes to hamburger menu

≡ Settings

Display

2. Scrolls through settings pages

Calendar ...

Conflict...

3. Toggles for options

Schedule...

4. Search bar option

Any functional app must have a settings page within it. This is the settings page which comes with a variety of options and uses. With many different details in the app, the settings allow for users to alter these small details. We have search (4) for easy access for users and different side scrolling for which category of settings the user would like to browse (2). We also have button widgets (3) that allow the user to toggle certain settings with ease. The user can easily navigate back to the app with the "hamburger" menu (1).

1. Goes to hamburger menu

2. Search Bar

3. Display Results

4. Select Page

Search

Lookup

Filters ⋮

Search

Results: (Displaying 10)

1
2
3
4
5
6
7
8
9
10

⇐ Prev Page   Next Page ⇒

Filter what is being searched   5.

Button for search   6.

Results Displayed   7.

Because this app has different capabilities, users may need to search for certain things within the app. The search bar (2) will display relevant information for users to utilize within the app after typing and hitting search button (6). The filters section allows for users to filter results (5). If a user would like to find where to upload a schedule, then the search bar may be able to help them display relevant information related to certain keywords. Once something is typed and searched, the results will be displayed on the screen (3) alongside the amount of results found (7). With this, users can scroll through pages relevant to their search (4). The user can easily navigate back to the app with the hamburger menu (1).