



# Design Heuristics

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## Supervisor

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24th April 2022

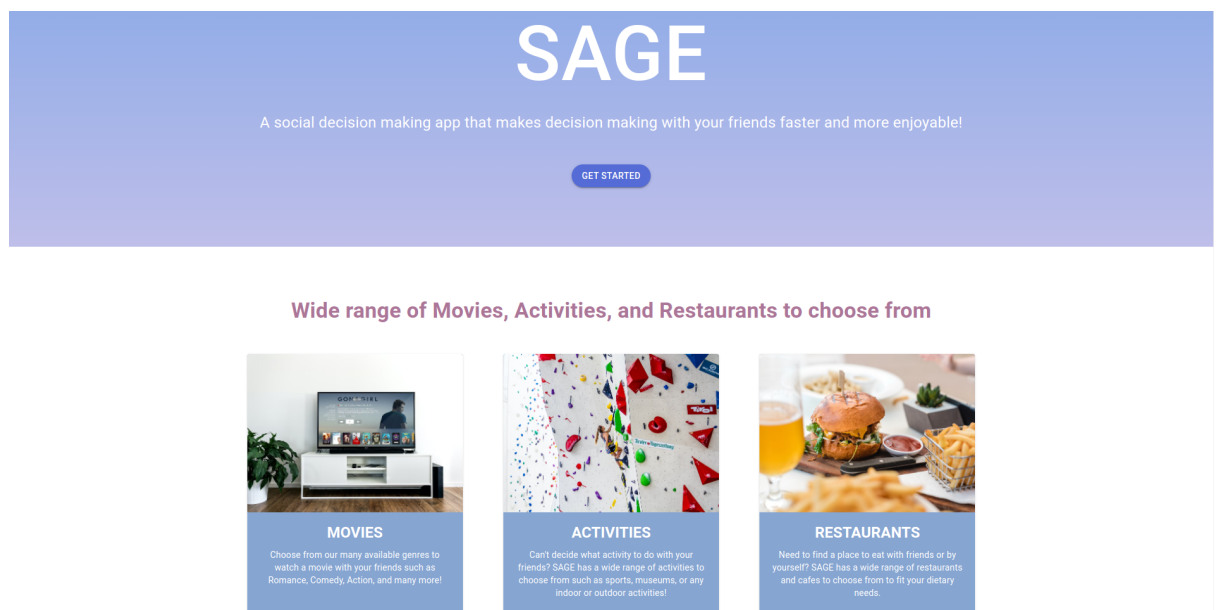
# Shneiderman's Eight Golden Rules of Interface Design

We decided to use Shneiderman's Eight Golden Rules of Interface Design in order to design a great and productive user interface for our application to ensure the users have the best possible experience. These rules were proposed by Shneiderman as they were derived heuristically from experience.

The following rules we followed and applied in our application are as follows:

## 1. Strive for consistency

We established a common theme for the application in regards to colour use and component placements. We planned on using colours blue, purple, and pink, and the white and light grey backgrounds throughout the application as we believe that they would equally complement each other combined into a single application. We made sure to be consistent with the colours throughout the application.



SAGE

- Dashboard
- Calendar
- Groups
- Log out

Good Evening, **solana!**  
Here are your upcoming events

Sat Apr 23 2022

Profile

[EDIT PROFILE](#)

**solana**  
solana@gmail.com  
testing the snackbar

2 Groups

0 Events

SAGE

- Dashboard
- Calendar
- Groups
- Log out

Groups

CREATE A NEW GROUP

banana

OPEN

avocado

OPEN

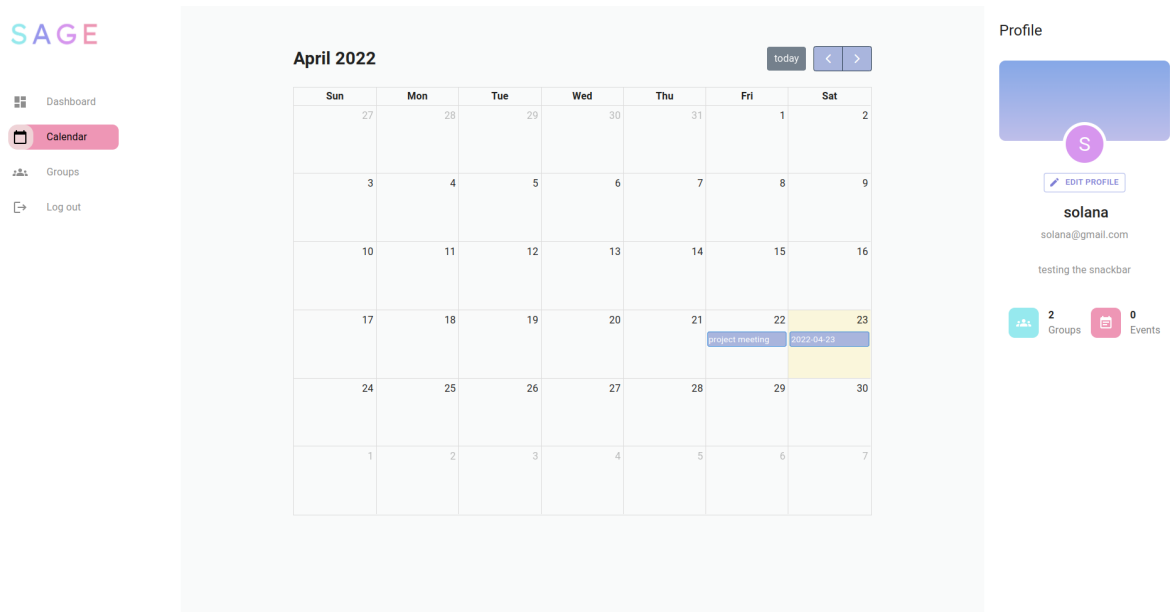
Profile

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0 Events

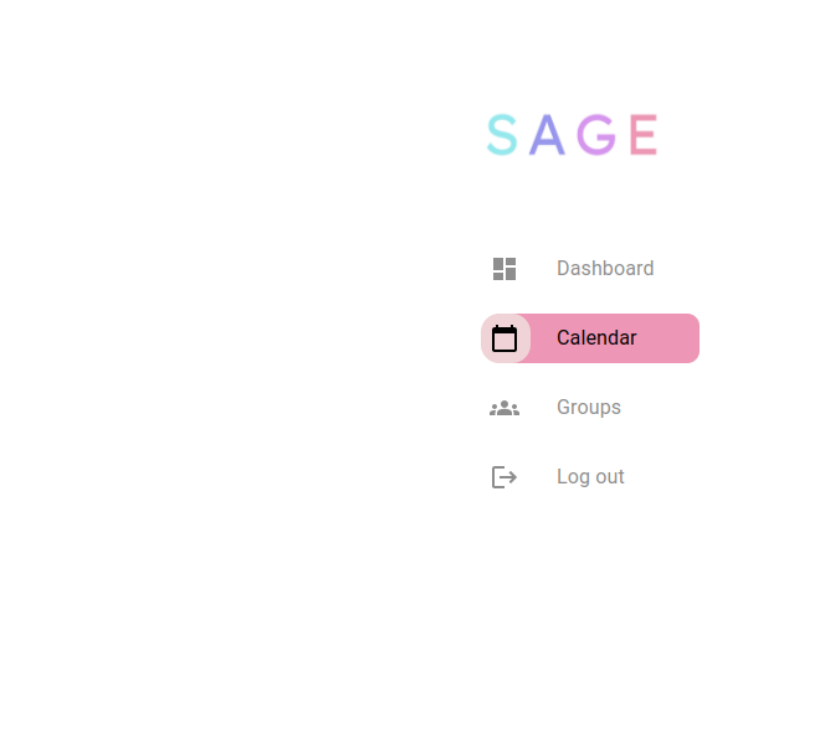


We also made sure to have the SAGE logo on all main pages in the application. In addition to this, we also have the navigation panel and profile on both sides of the application which are also present on all main pages.

We aimed for a minimalistic but appealing approach for our user interface and ensured to apply that consistency all throughout the application.

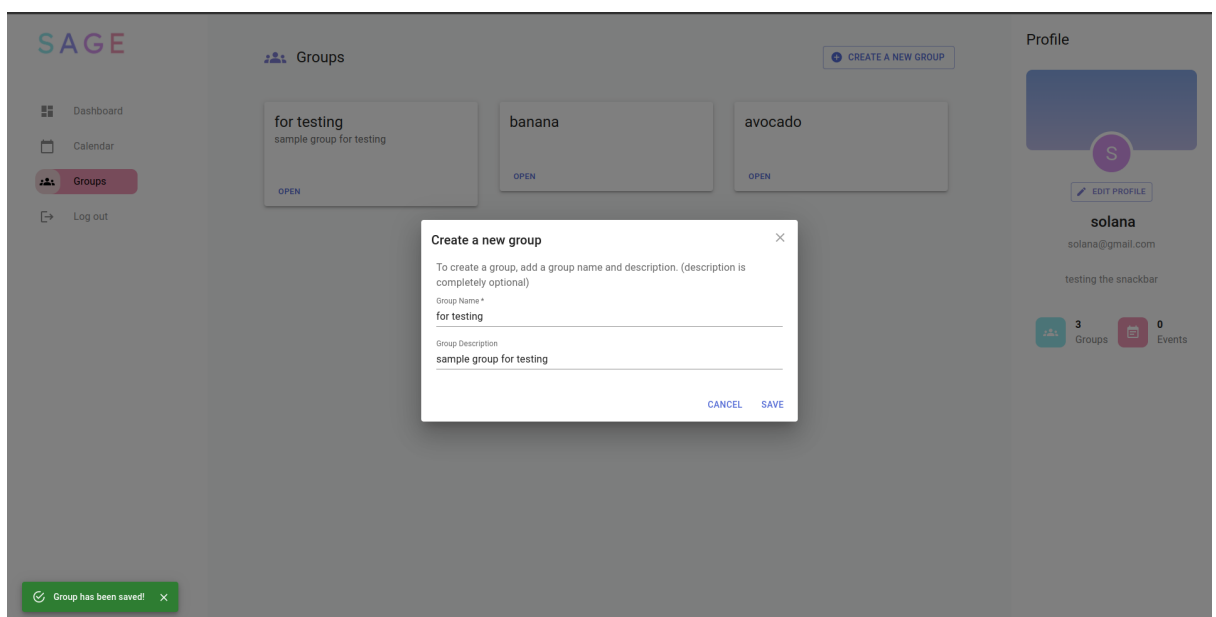
## 2. Enable frequent users to use shortcuts

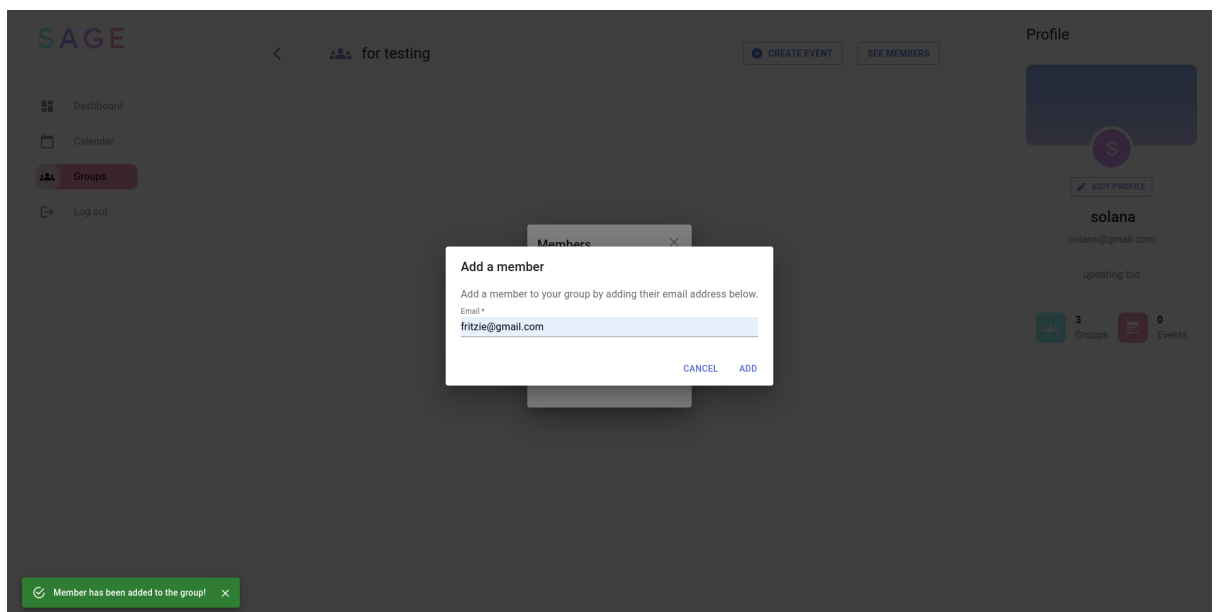
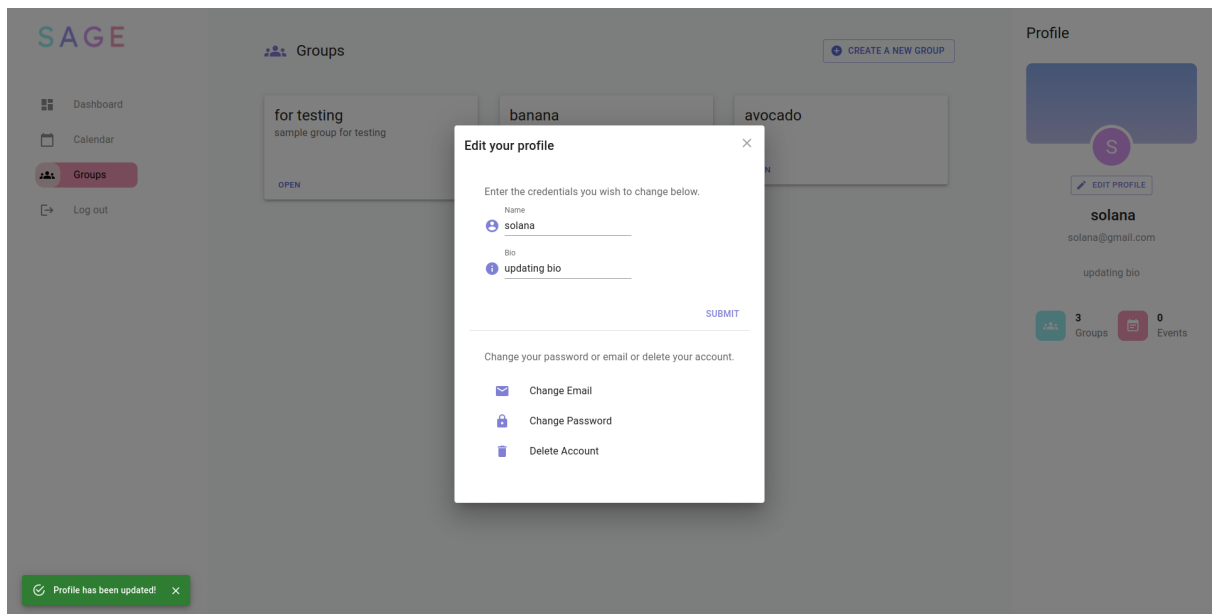
Once a user is logged into the application, they remain logged in until they press the sign out button to log out. From the figure below, the logout button is provided on the navigation panel.



### 3. Offer informative feedback

When a user wishes to create a group, update their profile, or invite a member to their group, a success confirmation message pops up on the lower left corner of the application. The user has a choice to close this by pressing the close button or either wait until this pop up disappears (we set this to 2 seconds to disappear by default).



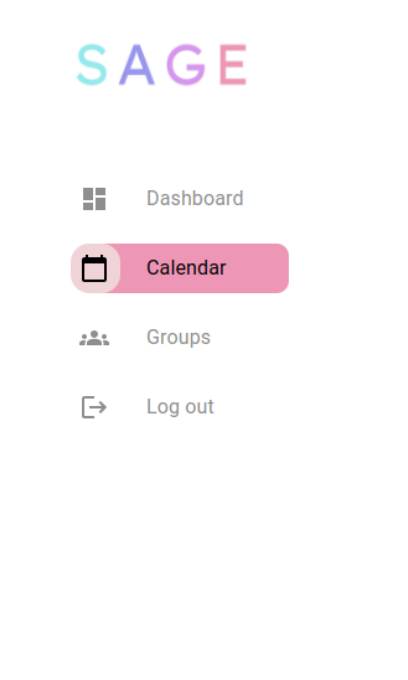


## 4. Design dialog to yield closure

When a user first opens our application, they can either sign up, log in, or opt to recover their password in our “reset password page”. Providing that form, we give the users the understanding that they know what exactly to do.

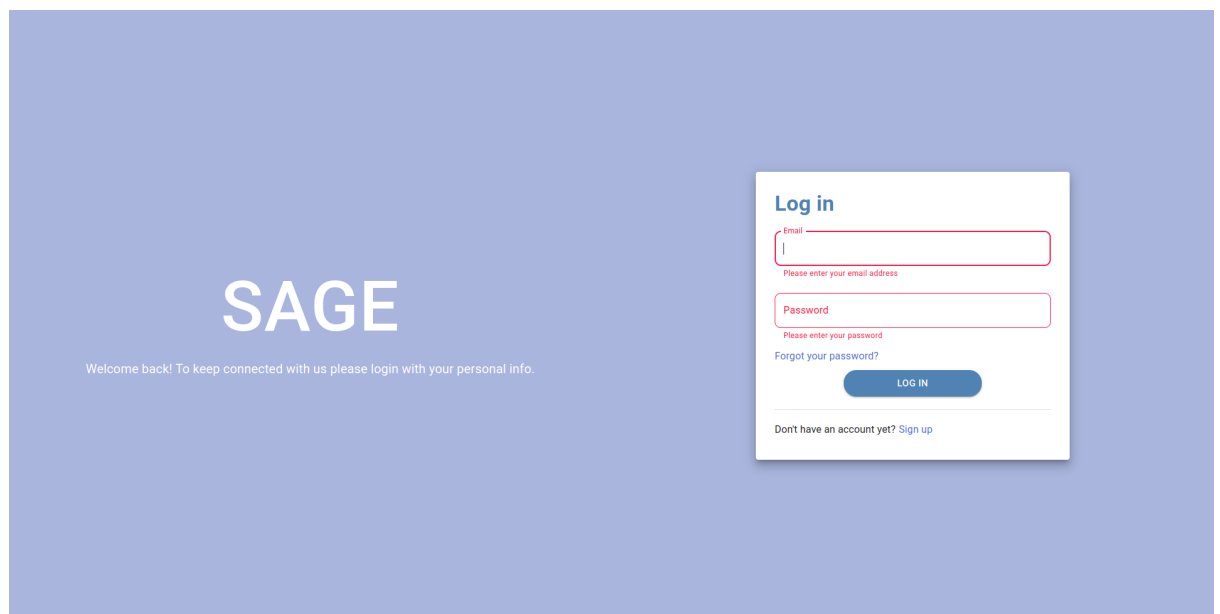
We have a fixed side navigation panel and this stays the same throughout the whole user experience and each icon and text corresponds to what page it will lead you to. The dashboard icon and text will lead them to the main page, and so on.

This makes it easier for the users to understand what they are doing which creates an easy and uncomplicated environment for the user.



## 5. Offer simple error-handling

On the users first visit to the application, the landing page welcomes the user. Once they press the “get started” button, they are redirected to the login page. It shows errors when the fields are empty, if the email is an invalid email address, if the password is too short, or if the user does not exist in the database.



# SAGE

Welcome back! To keep connected with us please login with your personal info.

## Log in

Email

something

Invalid email address

Password

Please enter your password

Forgot your password?

LOG IN

Don't have an account yet? [Sign up](#)

# SAGE

Enter your personal details and start planning with us!

## Sign up

Name

Please enter your name

Email

Please enter your email address

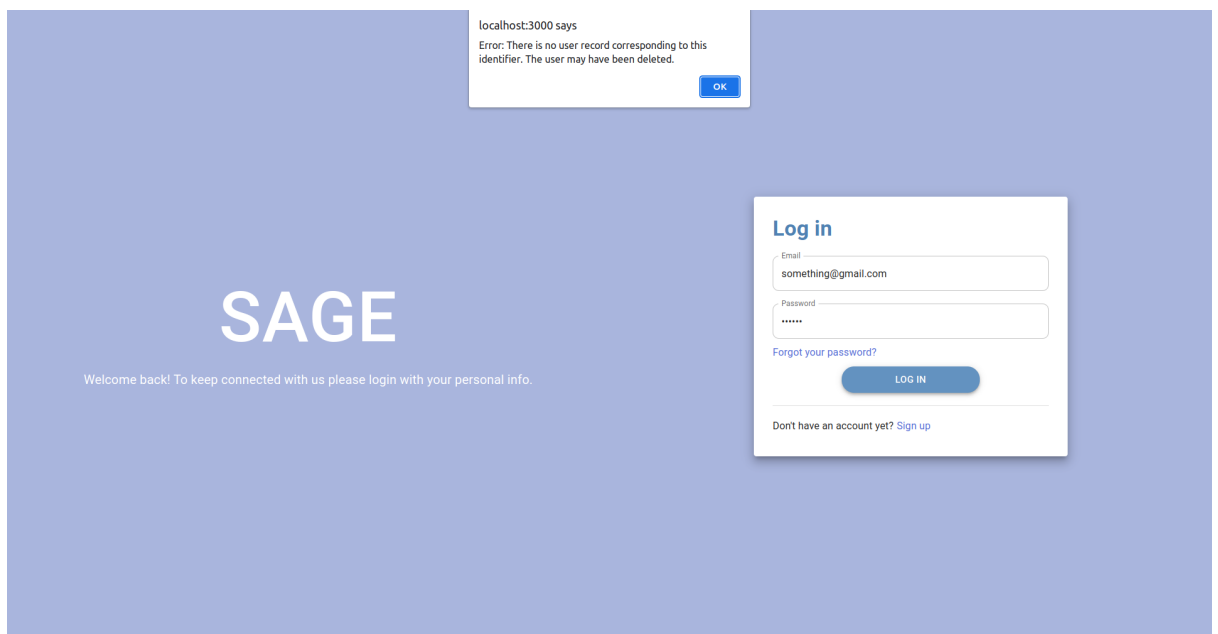
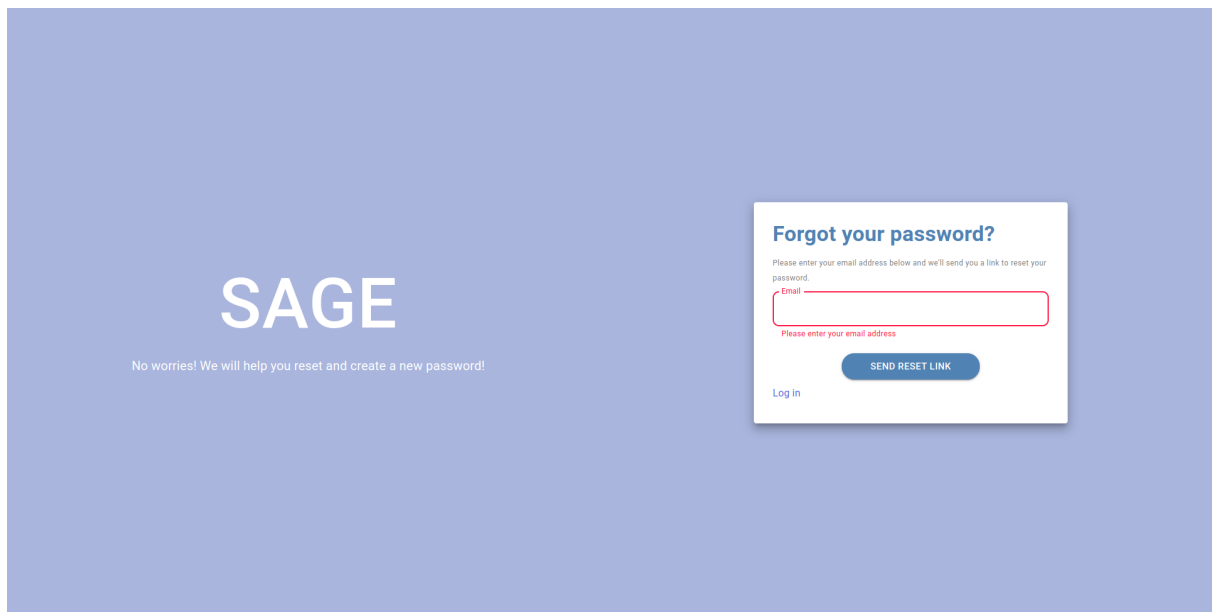
Password

Please enter a password

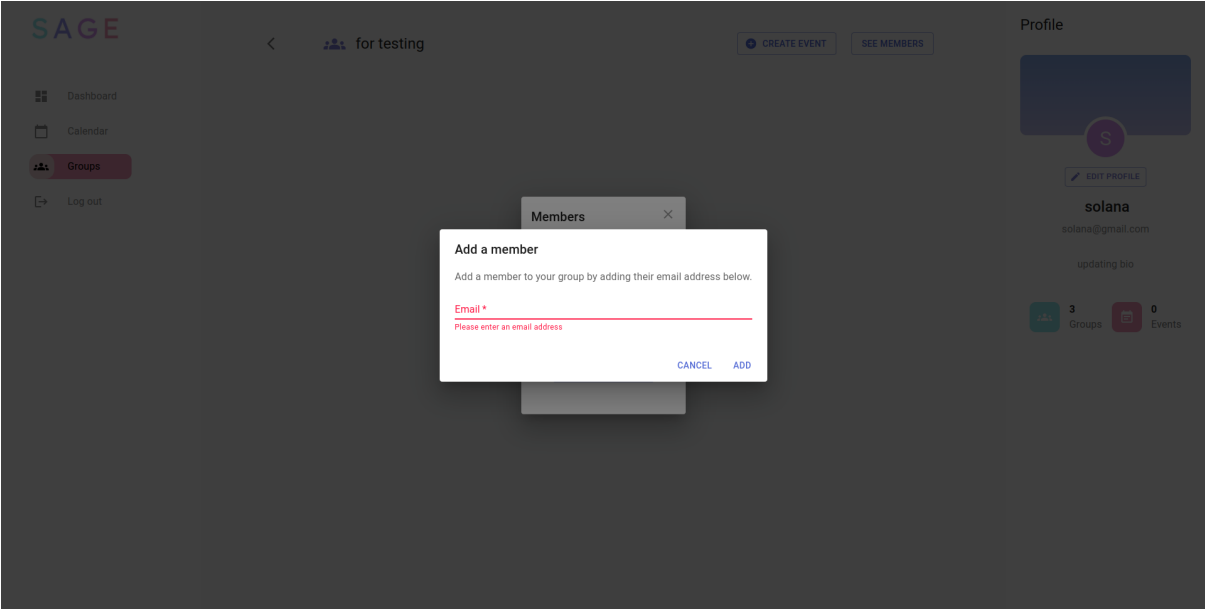
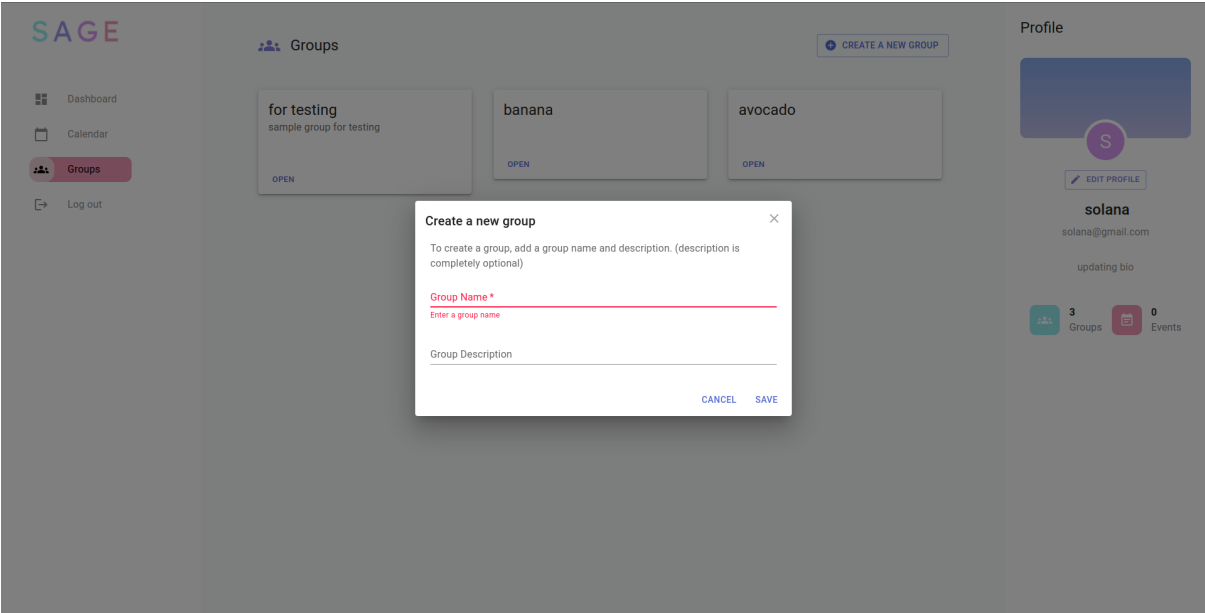
CREATE ACCOUNT

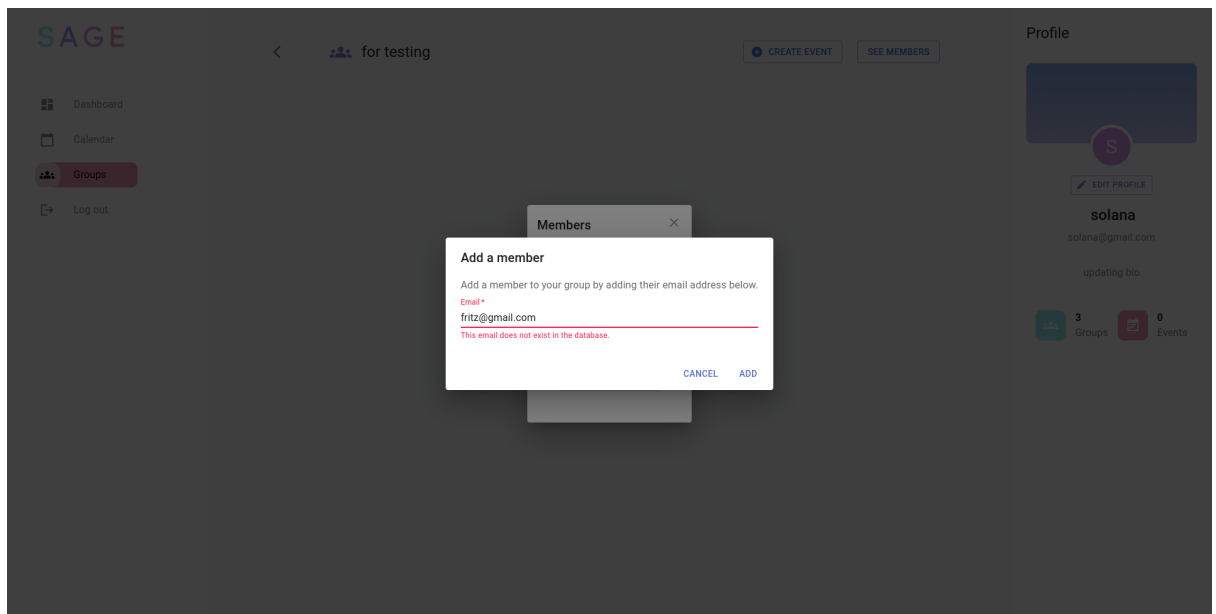
Already have an account? [Log in](#)





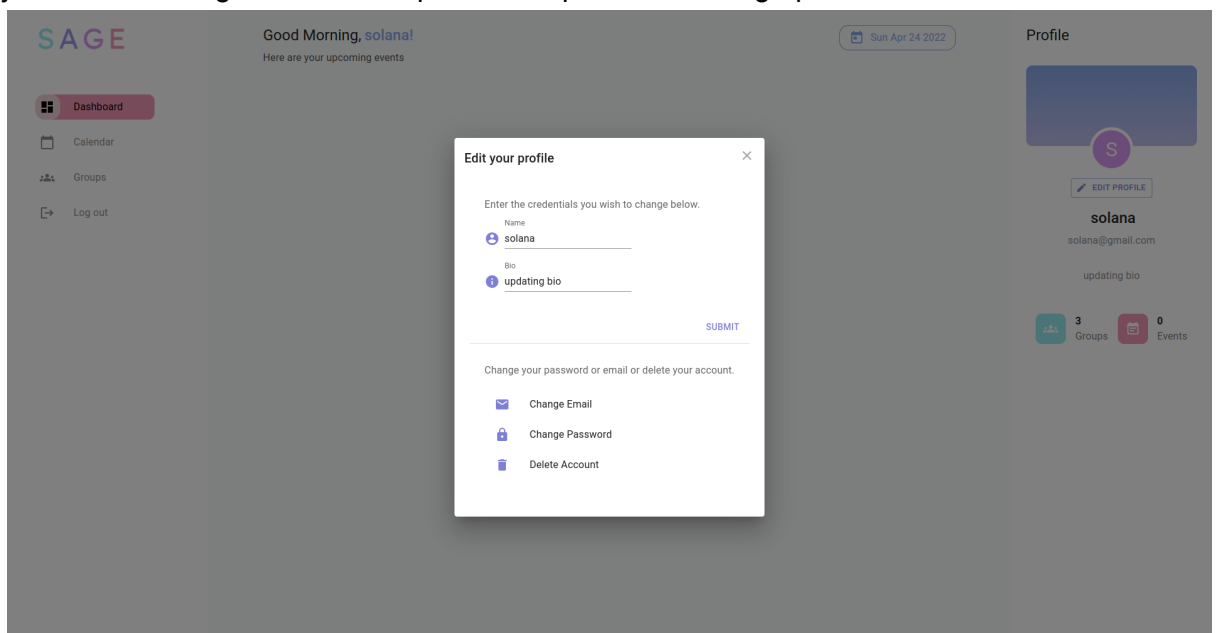
When a user is logged in, they have the ability to create groups and invite members. Error handling is also applied here for example when users enter empty group names. It also shows an error when a user they are inviting does not exist in the database or when the email field is empty.

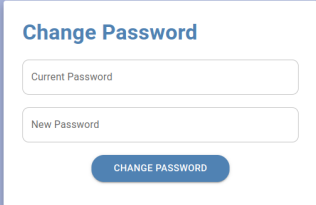




## 6. Permit easy reversal of actions

If a user wishes to edit or reset their password as they have entered the wrong one or if they simply want to change it, we provide that functionality for them to do so. They just have to navigate to the edit profile and press the change password button.

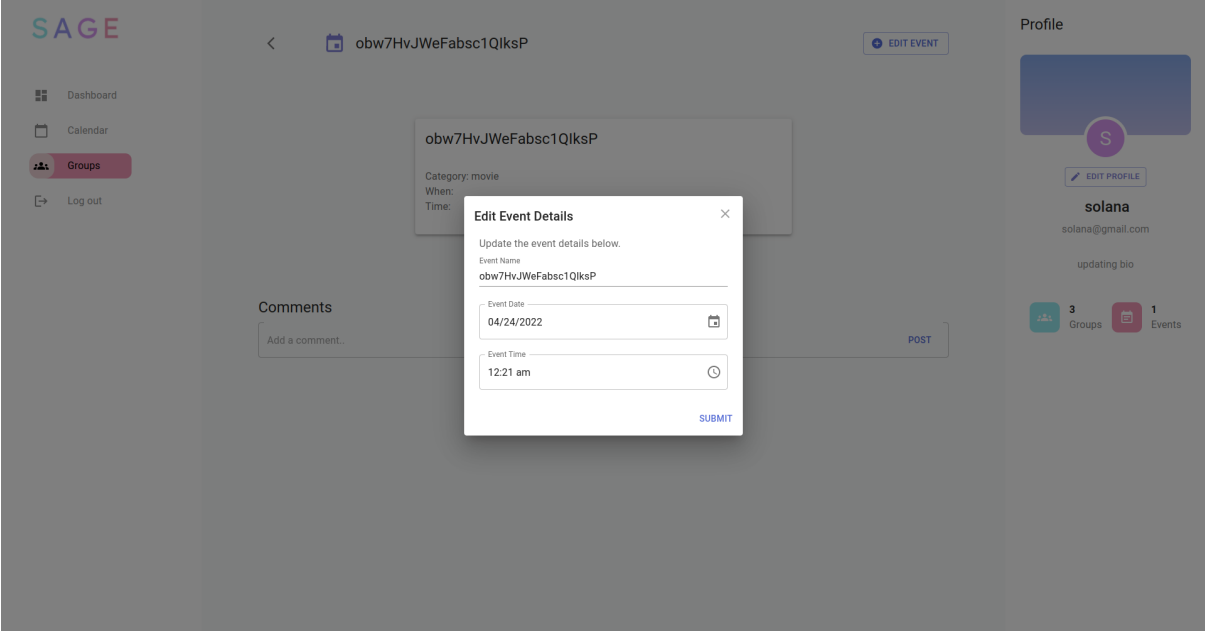
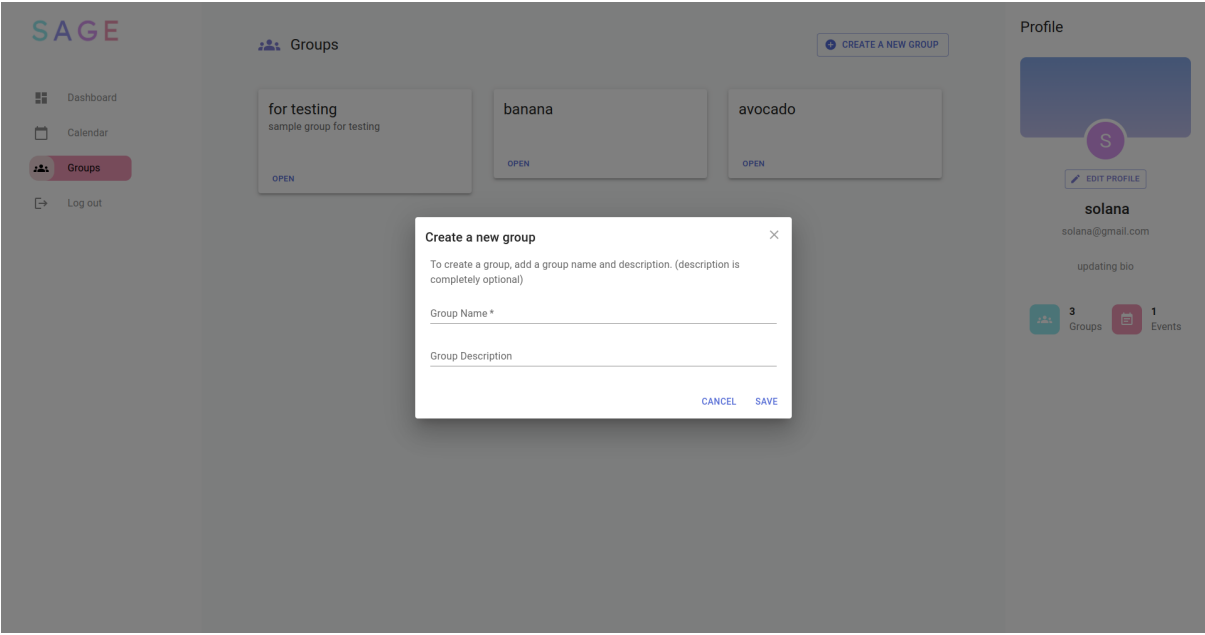


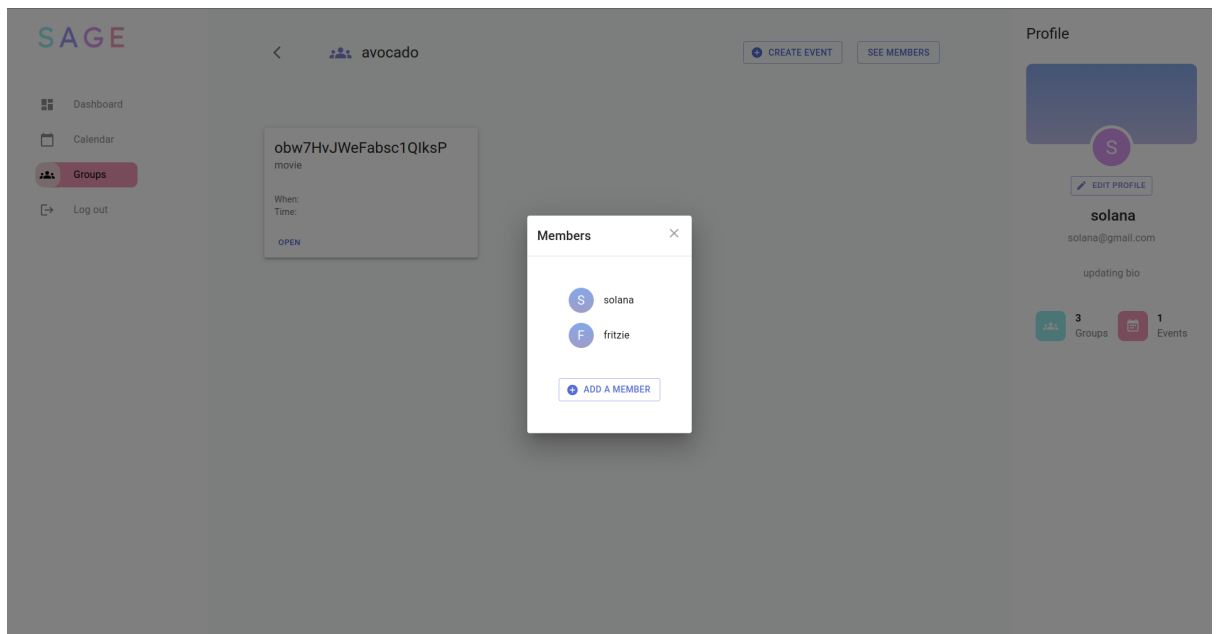
A screenshot of a 'Change Password' form centered on a solid blue background. The form is a white rectangle with a thin grey border and a subtle drop shadow. At the top of the form, the title 'Change Password' is written in a bold, dark blue font. Below the title, there are two input fields. The first field is labeled 'Current Password' in a small, grey font and contains a single horizontal line. The second field is labeled 'New Password' in a small, grey font and contains two horizontal lines. Below these fields is a blue button with the text 'CHANGE PASSWORD' in white, uppercase letters.

If a user also wishes to edit their profile details such as their name and bio, they just need to press the edit profile button on the side profile. Once the user presses the submit button, these new details will automatically be saved in our database. Then the other components that use the user details (such as the banner) will be automatically updated as well.

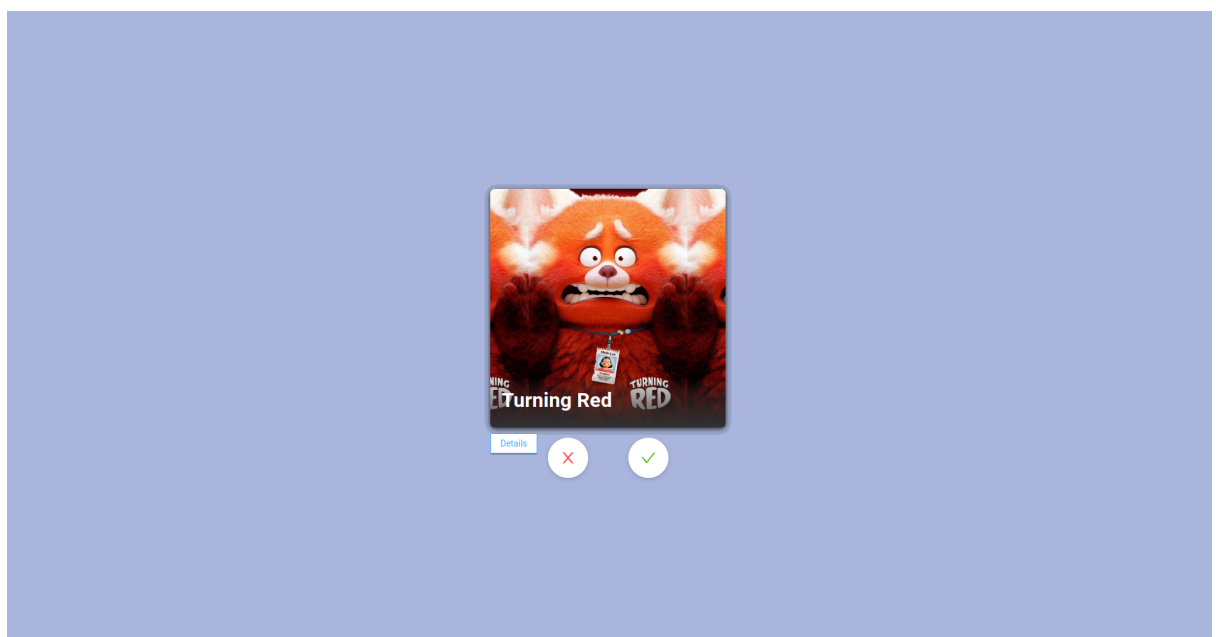
## 7. Support internal locus of control

A user can opt to create groups as much as they want. They can also add members into those groups as long as their account is saved in the database. They can also create events (as long as they are an admin of the group), and update these events. Such as updating the date and time.

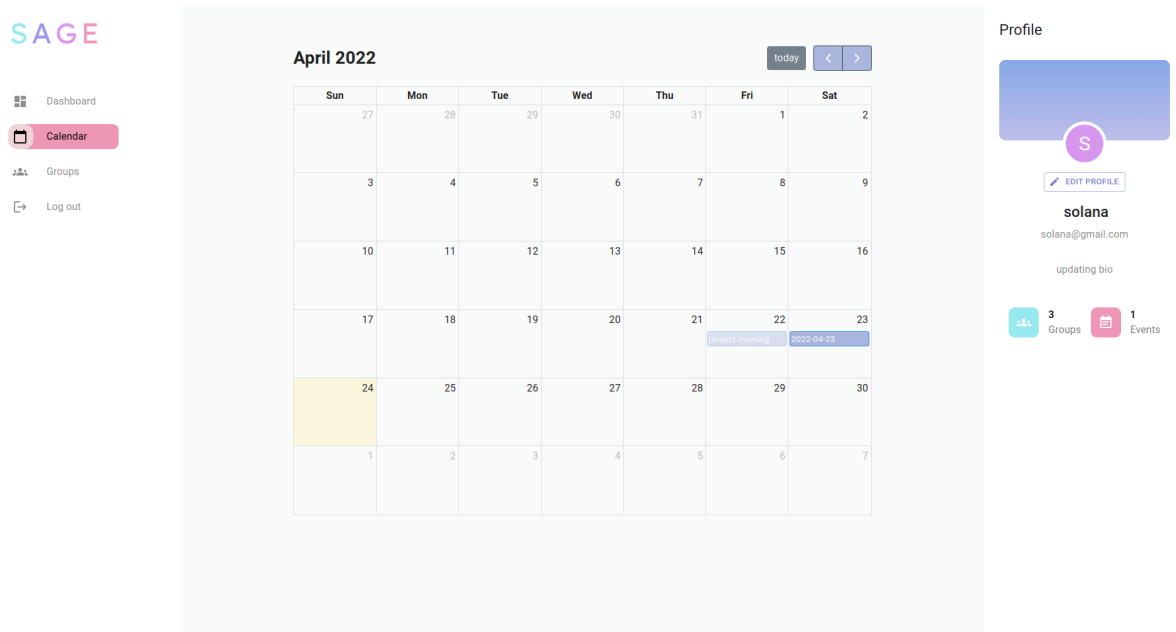




A user can also choose their preferences based on the recommendations of the choices they made.



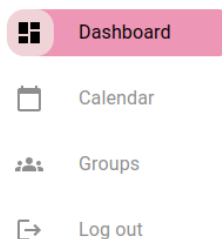
A user can also add events into their calendar and move the events on different dates.



## 8. Reduce short-term memory load

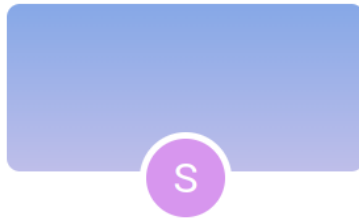
The sidebar navigation panel follows each user to each page that they visit. The use of icons in this navigation bar means that the users don't have to remember what is on each page because the icon corresponds to what is on each page.

SAGE



The side profile also has clear information about the user. It tells how many groups they are in and events they have. The edit profile button is also clear enough to imply its use to the users.

## Profile



 EDIT PROFILE

**solana**

solana@gmail.com

updating bio



**3**  
Groups



**1**  
Events

The banner buttons as well clearly indicate what each does which makes it easier and understandable for the users.


 Groups

 CREATE A NEW GROUP

<  avocado

 CREATE EVENT

SEE MEMBERS

<  obw7HvJWeFabsc1QlksP

 EDIT EVENT