NYU

Sprout
Child Focus NJ

Professor: Dr. Peter DePasquale

Developers: Isabelle Adams, Isabelle Larson, Wes Simpson, & Sufyan Waryah

02.20.26

Agenda

- User Stories
- LoFi Diagrams
- Cost Estimate
- Questions?

NYU

PART 01

User Stories

Wes Simpson & Sufyan Waryah

User Stories

- **Short narratives**, describing specific interaction between some stakeholder & application
- User stories **help estimate** difficulty of work
- Used to produce schedule & how to correct schedule when actual progress differs from predicted progress

Form Submission

User - Potential Volunteer (Volunteer Intake)

Goal - Sign up for an information session

As a potential volunteer

I want to sign up for an information session through a form

So that I can learn about volunteer opportunities

Account Management

User - Sprout Admin

Goal - Maintain volunteer records, prevent duplicates, & linking

As a system administrator

I want to manage volunteer accounts without duplicates

So that I can track the full volunteer journey accurately

Email Automation

User - Sprout Admin

Goal - Automate follow-ups & lifecycle emails

As a system administrator

I want to automate email communications

So that I don't need to re-enter data or manually send emails

Email Templates

User - Sprout Admin

Goal - Manage reusable communication templates

As a system administrator

I want to create and manage email templates

So that I can send consistent, timely communications

Status Management

User - Sprout Admin

Goal - Track where each volunteer is in the process

As a system administrator

I want to track and update volunteer status

So that I know where each volunteer is in the process

Application Process

User - Sprout Admin

Goal - Streamline volunteer applications

As a system administrator

I want to automate the application process

So that volunteers receive and submit applications efficiently

SMS Integration

User - Sprout Admin

Goal - Reach volunteers reliably via SMS

As a system administrator

I want to send SMS reminders to volunteers

So that I can reach them through multiple channels

Notes & Communication Tracking

User - Sprout Admin

Goal - Maintain a complete communication history

As a system administrator

I want to track all communications with notes

So that communication history is always up-to-date

Sign-in & Attendance

User - Sprout Admin

Goal - Automatically track attendance at info sessions

As a system administrator

I want to use an electronic sign-in sheet for info sessions

So that attendance is automatically tracked and triggers follow-up actions

Reporting & Data Export

User - Sprout Admin

Goal - Analyze volunteer engagement & outcomes

As a system administrator

I want to generate reports and export data

So that I can analyze trends and use data in other systems

Integration & Administration

User - Sprout Admin

Goal - Integrate with external systems & manage configuration

As a system administrator

I want to integrate with external systems & manage settings

So that data stays synchronized & the system is configurable

User Login

User - Sprout Admin or Volunteer

Goal - Access Sprout account efficiently

As a volunteer or administrator

I want to sign in using my Gmail account

So that I can access the system without managing a separate password

PART 02

LoFi Diagrams

Isabelle Adams

PART 02

Lo Fidelity Diagrams

What are they?

Why do we need them?

What do we need from you?

NYU

Website Page Overview

Login

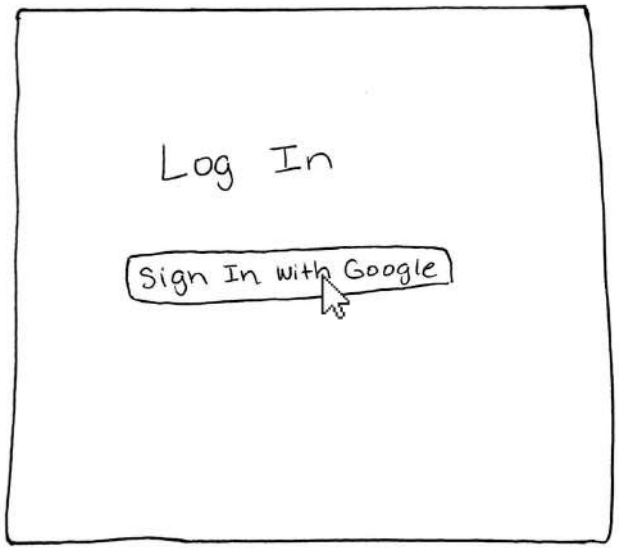
Home/Volunteers

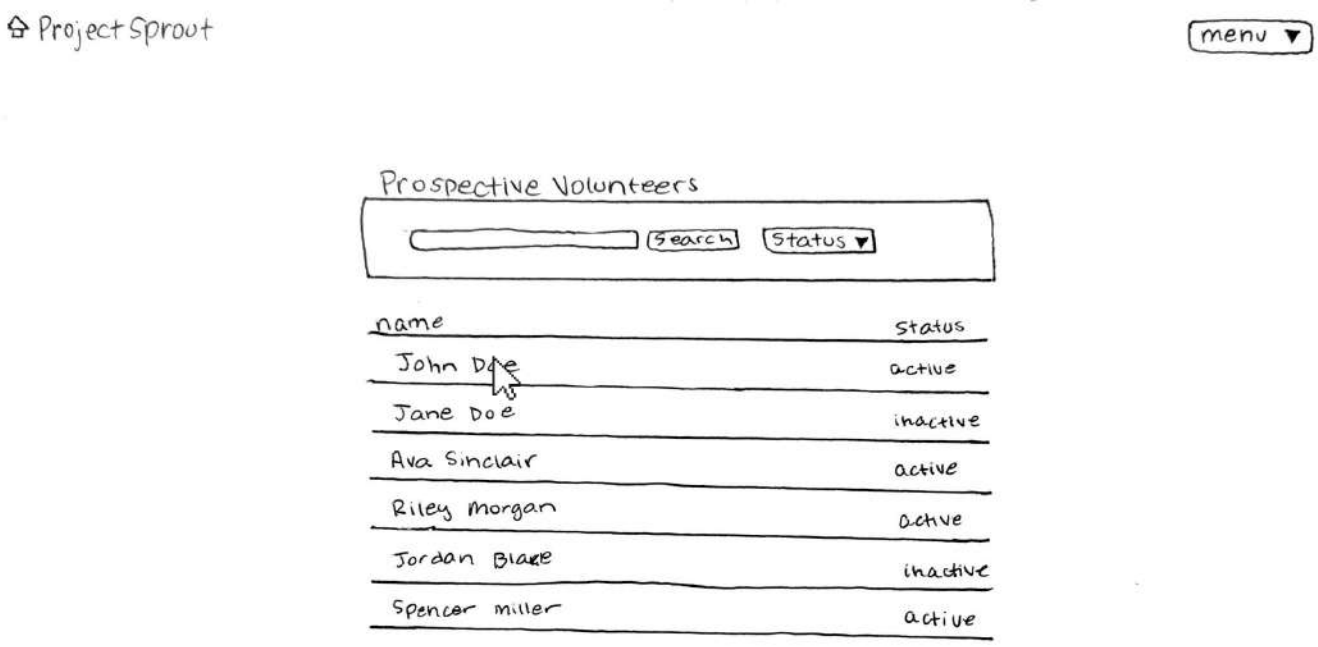
Email Management

Info Sessions

Data Management

System Settings


Log In
Sign In with Google


Project Sprout
menu
Prospective Volunteers
Search
Status
name
Status
John Doe
active
Jane Doe
inactive
Ava Sinclair
active
Riley Morgan
active
Jordan Blake
inactive
Spencer miller
active

Actions

email
send application

Details

edit delete

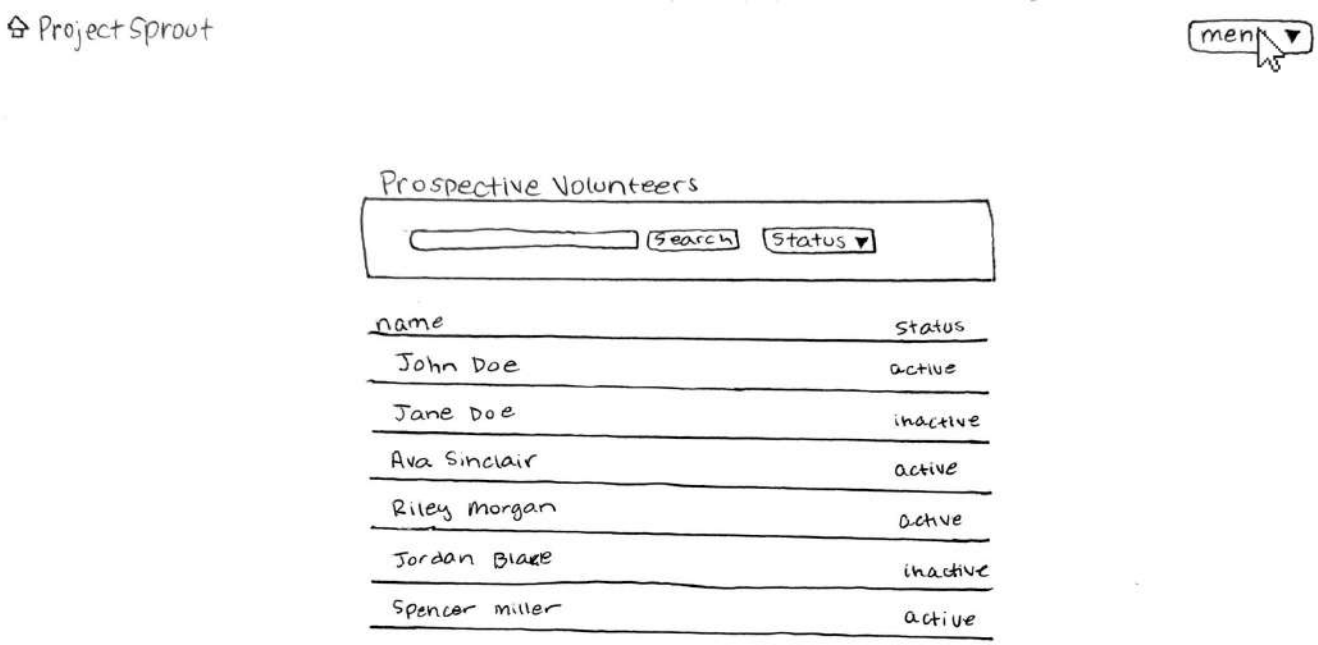
First Name	John
Last Name	Doe
Email	johndoe3@gmail.com
Phone Number	(123) 456-7890
status	active

Reminder History

Title	Contact method	Date
New Year's	email	1/1/2026
2 week reminder	SMS	12/27/2025
Christmas	email	12/25/2025
See All		

Info Session History

Date	Location	Attendance
1/7/2026	415 Hamburg	No show
1/2/2026	Virtual	cancel
See All		


Project Sprout
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Jane Doe
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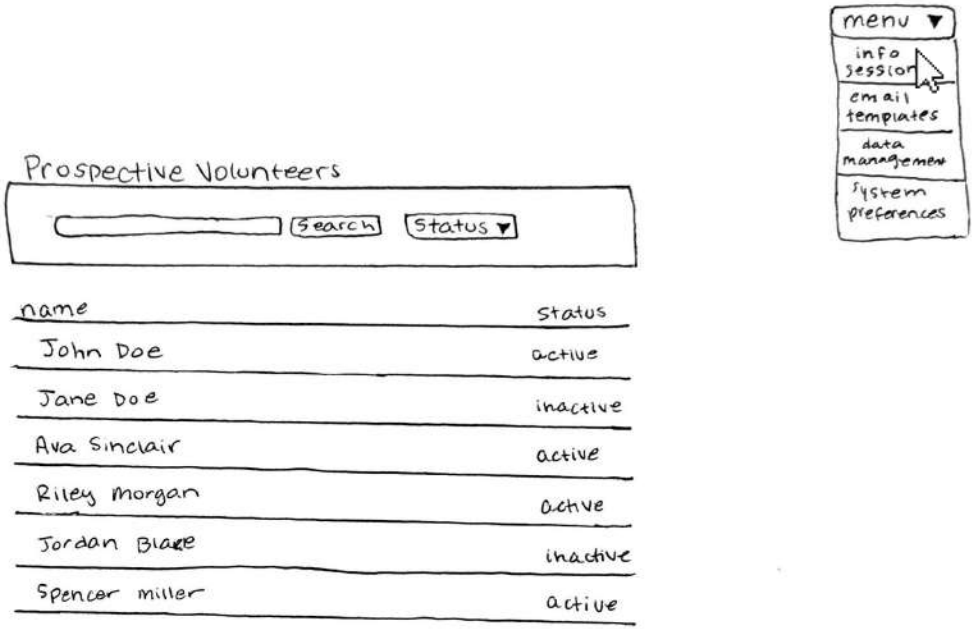
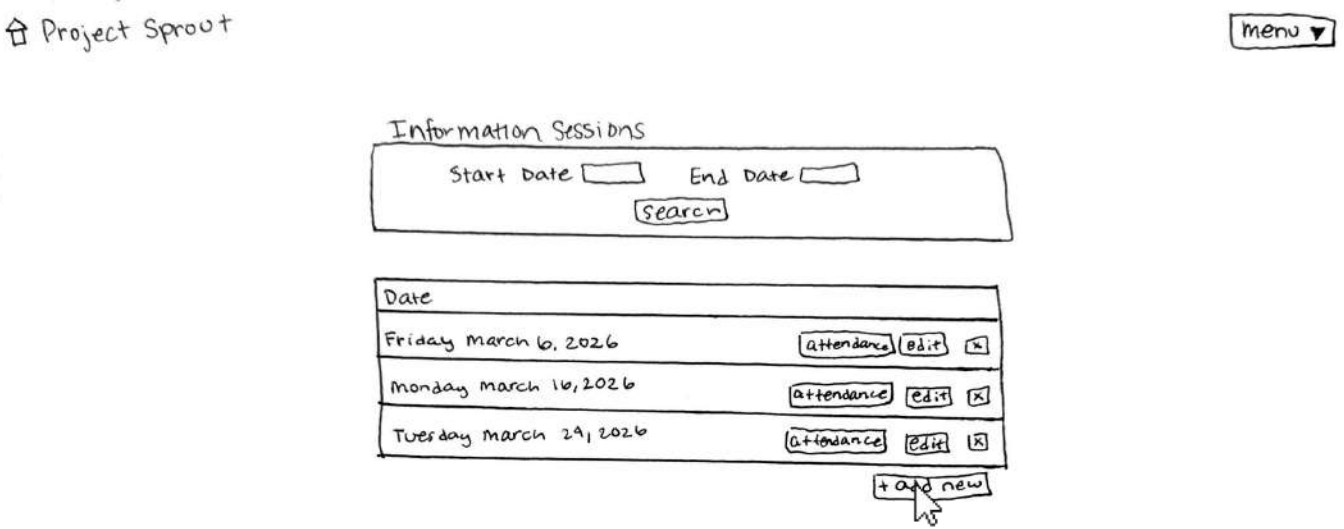
active
Jordan Blake
inactive
Spencer miller
active

Project Sprout

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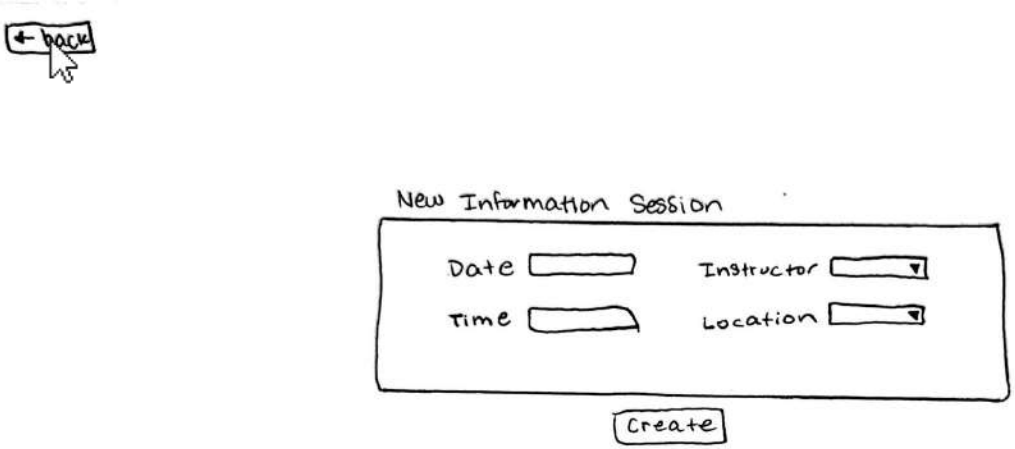
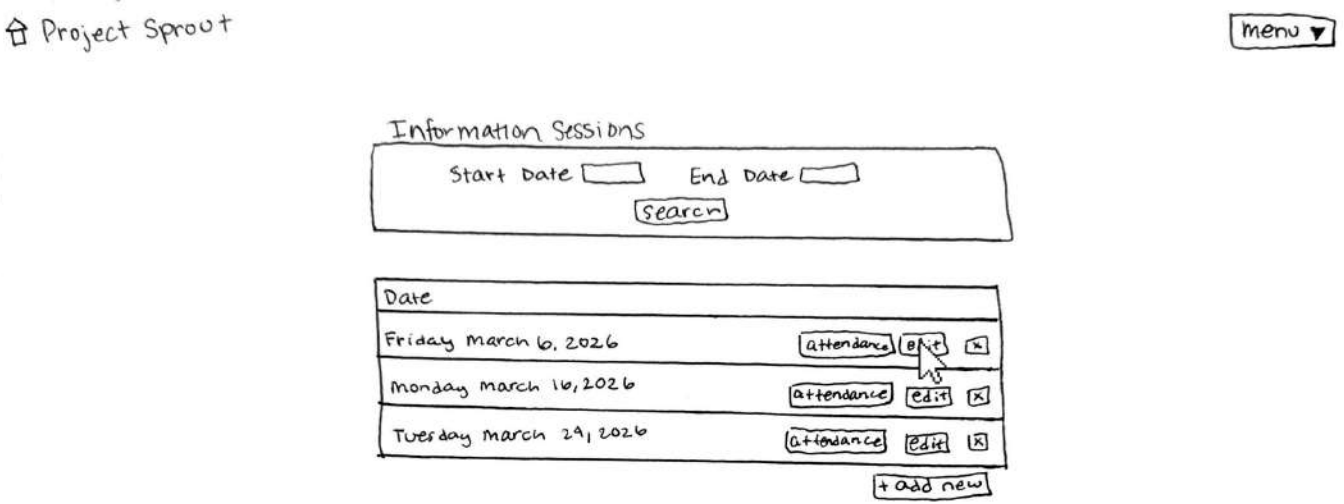
menu
Information Sessions
Start Date
End Date
search
Date
Friday March 6, 2026
attendance
edit
x
Monday March 16, 2026
attendance
edit
x
Tuesday March 29, 2026
attendance
edit
x
+ add new


back
New Information Session
Date
Instructor
Time
Location
Create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Information Sessions
Start Date
End Date
search
Date
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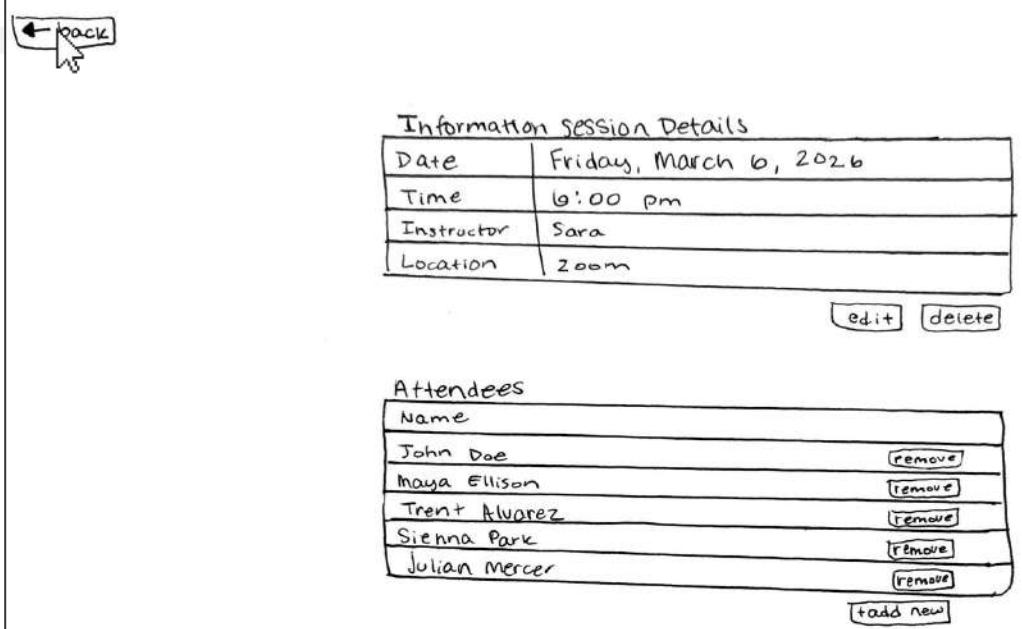
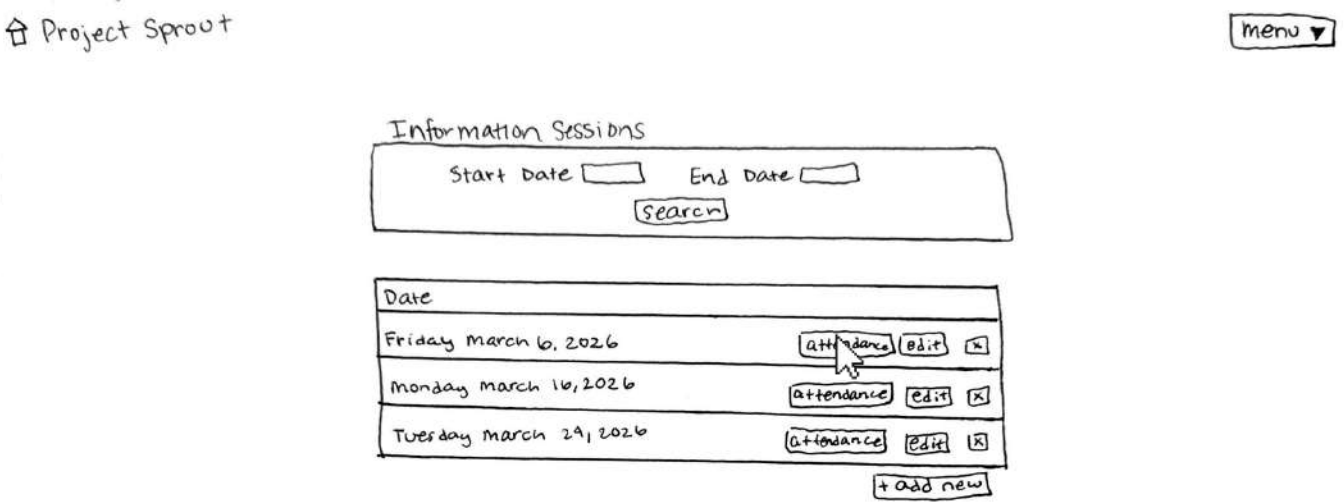
attendance
edit
Monday March 16, 2026
attendance
edit
Tuesday March 29, 2026
attendance
edit
+ add new

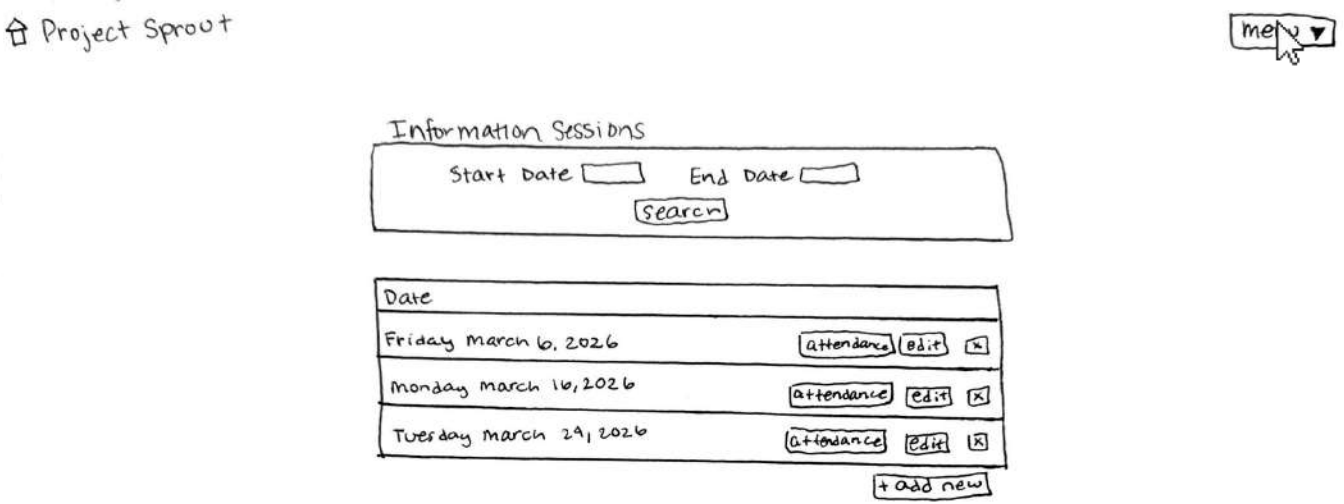

back
Information Session Details
Date
Friday, March 6, 2026
Time
6:00 pm
Instructor
Sara
Location
Zoom
edit
delete
Attendees
Name
John Doe
remove
Maya Ellison
remove
Trent Alvarez
remove
Sienna Park
remove
Julian Mercer
remove
+add new


Project Sprout
menu
Information Sessions
Start Date
End Date
search
Date
Friday March 6, 2026
attendance
edit
Monday March 16, 2026
attendance
edit
Tuesday March 29, 2026
attendance
edit
+ add new

Friday, March 6, 2026 Attendance

Name	Attendance
John Doe	☑
Maya Gilison	☐
Trent Alvarez	☐
Sienna Park	☐
Julian Mercer	☐

Submit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Information Sessions
Start Date
End Date
search
Date
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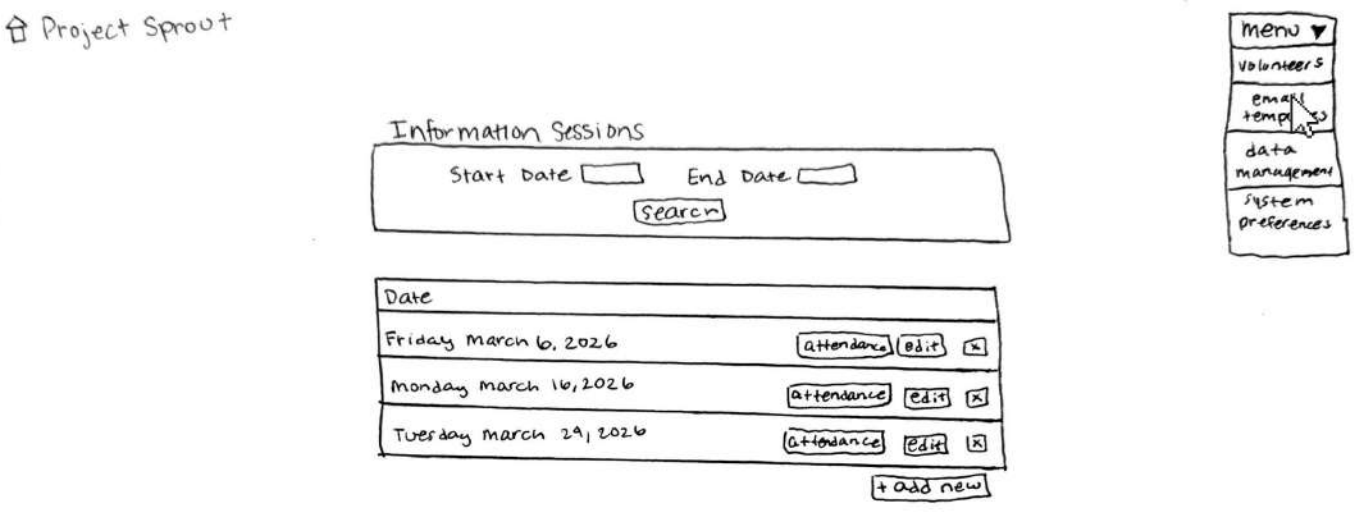
Monday March 16, 2026
attendance
edit
x
Tuesday March 29, 2026
attendance
edit
x
+ add new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menu
volunteers
email temp
data management
system preferences
Information Sessions
Start Date
End Date
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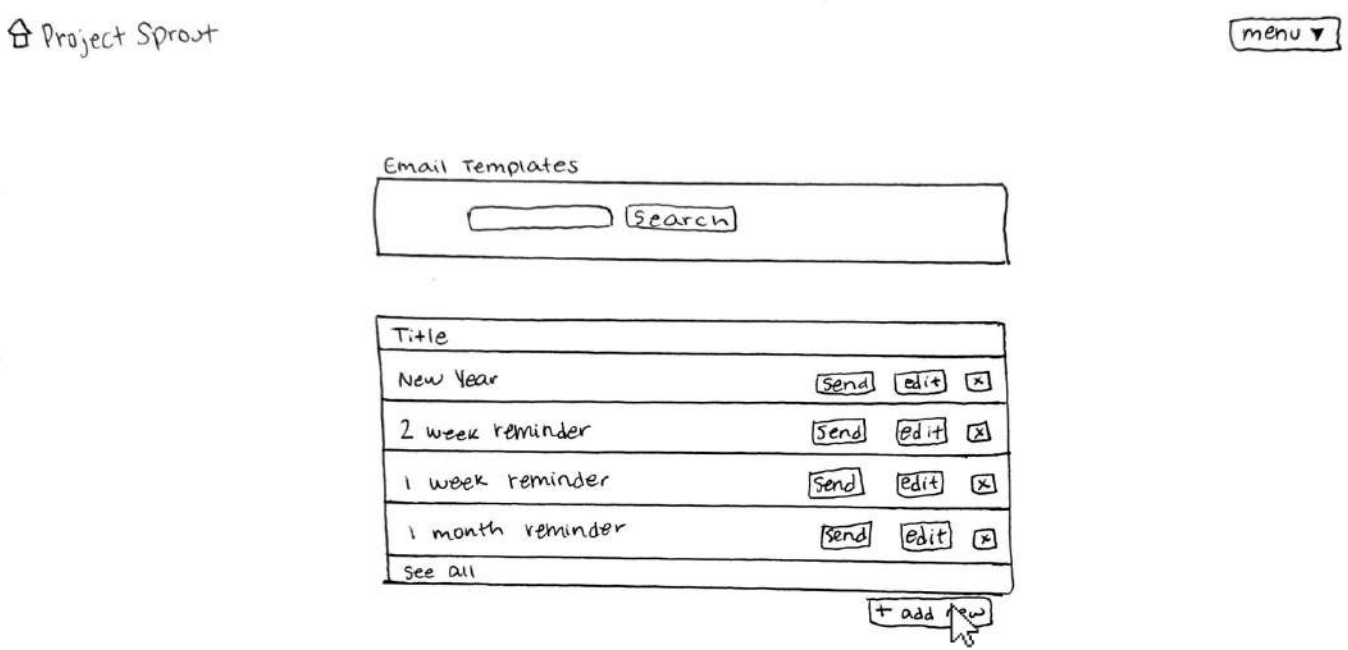
Monday March 16, 2026
attendance
edit
Tuesday March 29, 2026
attendance
edit
+ add new


Project Sprout
menu
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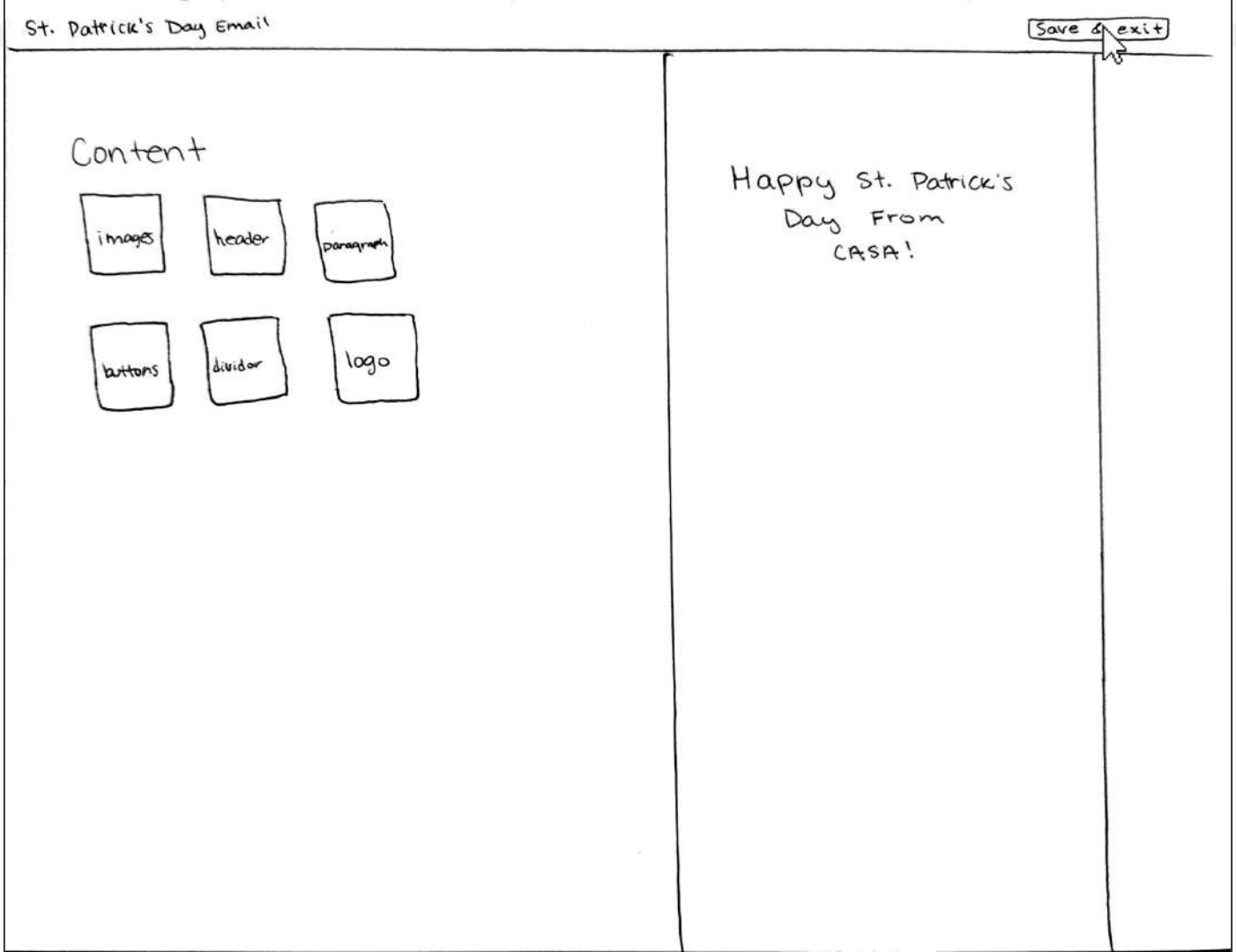
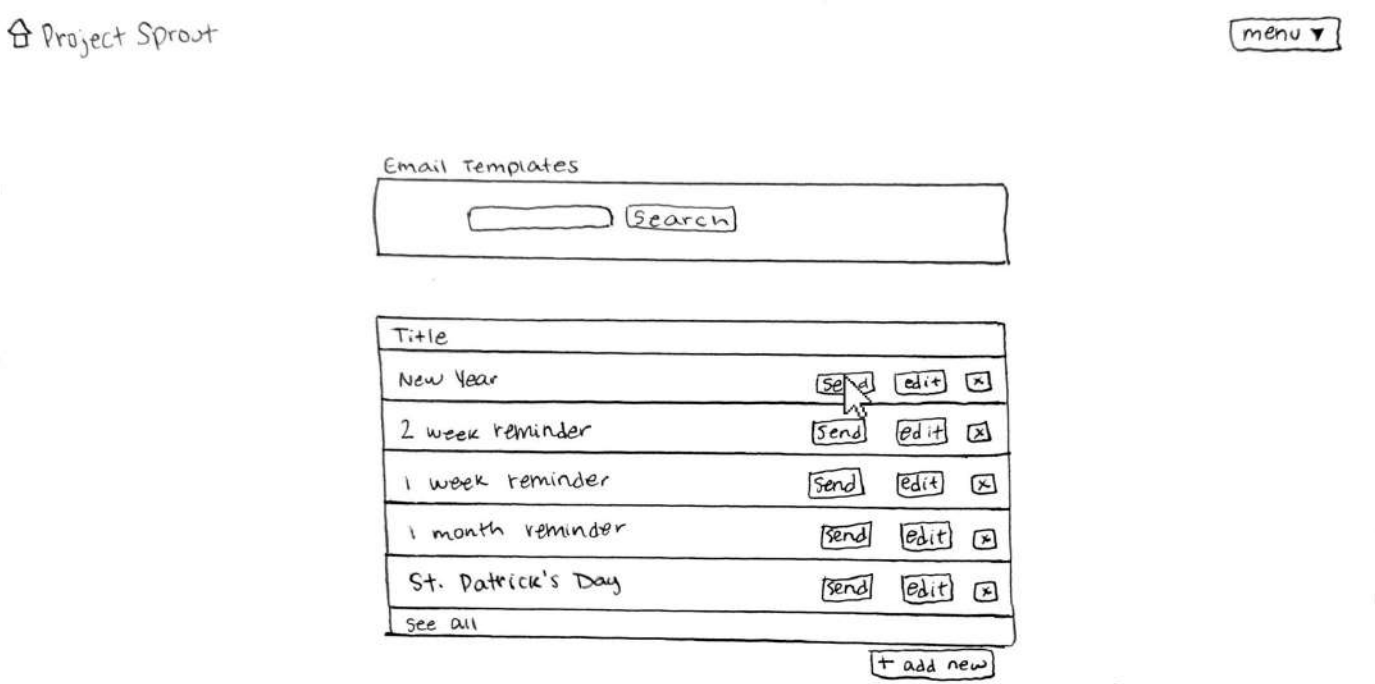
Search
Title
New Year
Send
edit
2 week reminder
Send
edit
1 week reminder
Send
Edit
1 month reminder
Send
edit
See all
+ add new


St. Patrick's Day Email
Save & exit
Content
images
header
paragraph
buttons
divider
logo
Happy St. Patrick's Day From CASA!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New Year
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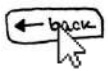
Edit
see all
+ add new



New Year's

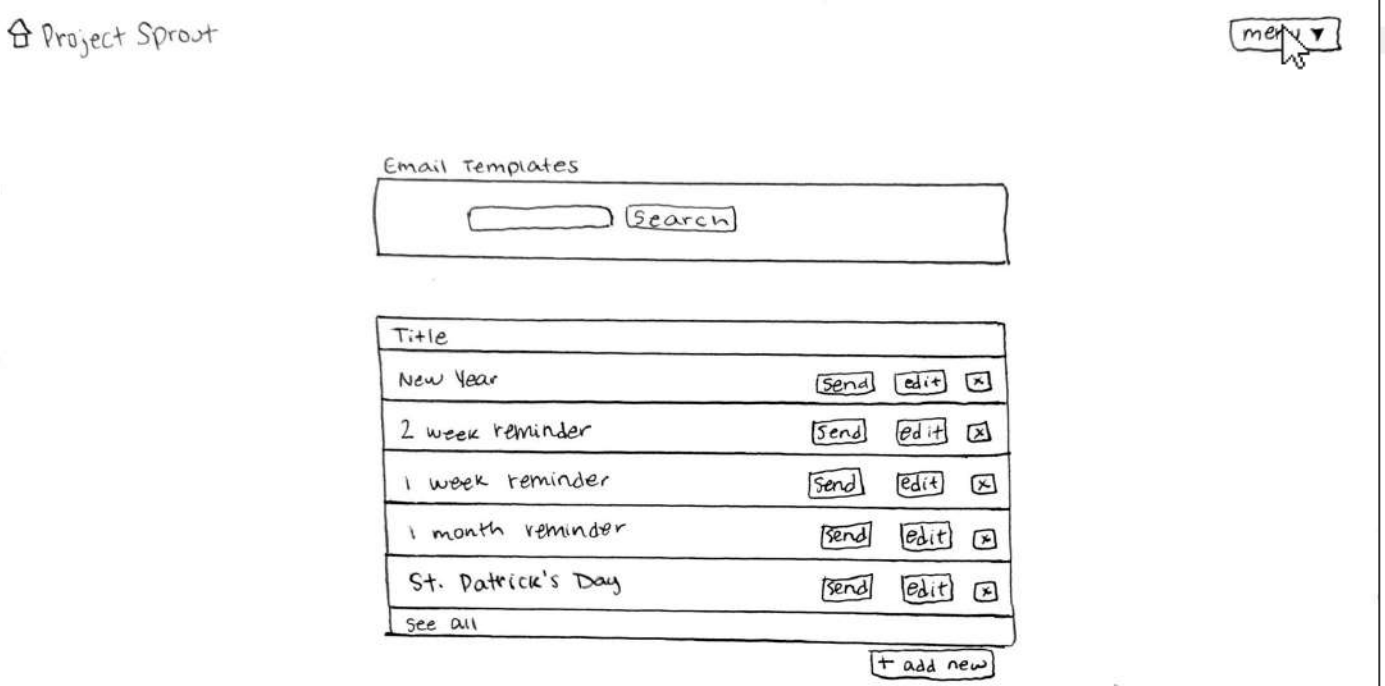
To
All subscribers

From
CASA

Subject Line
Volunteer with us this year!

Send Time
January 1, 2026 10:00 am

Send Email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Edit
1 month reminder
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St. Patrick's Day
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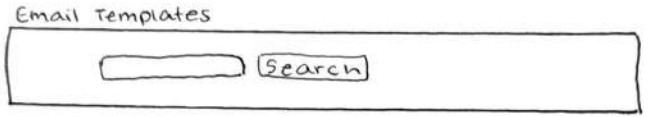
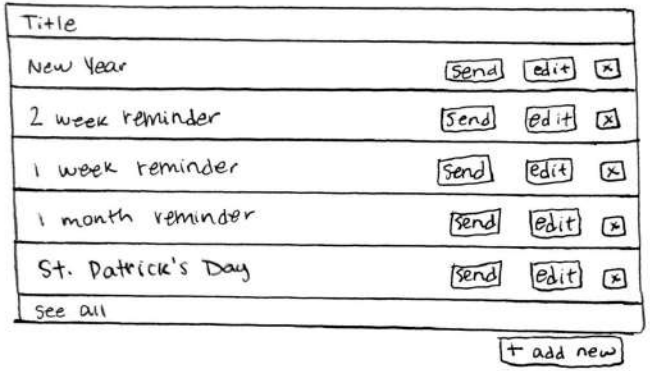
see all
+ add new

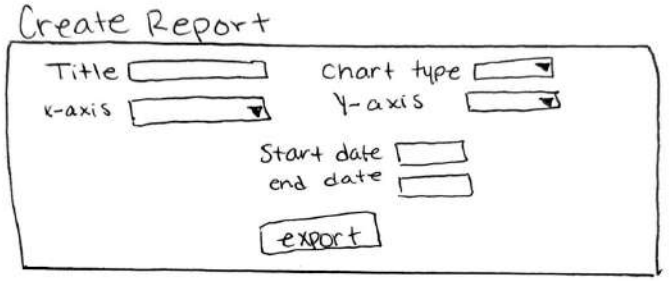
Project Sprout

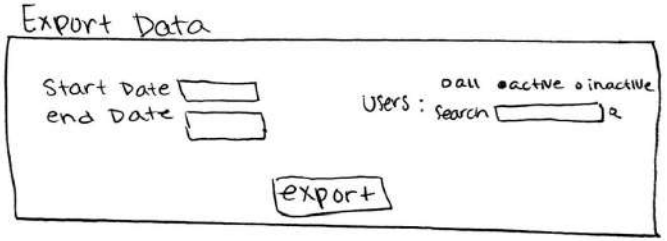




Project Sprout

menu





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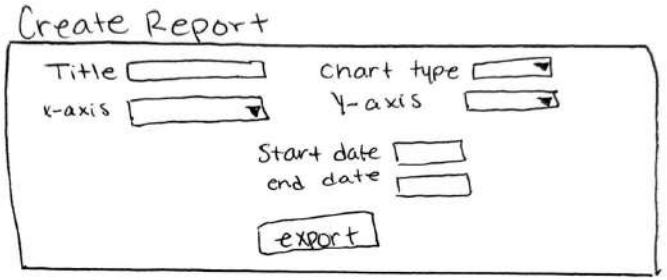
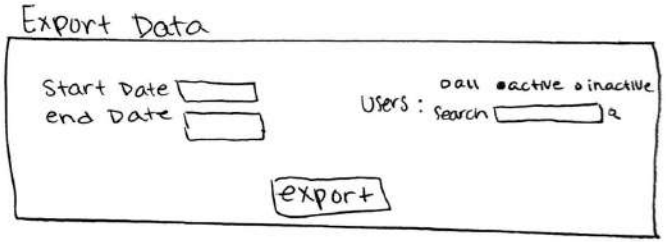
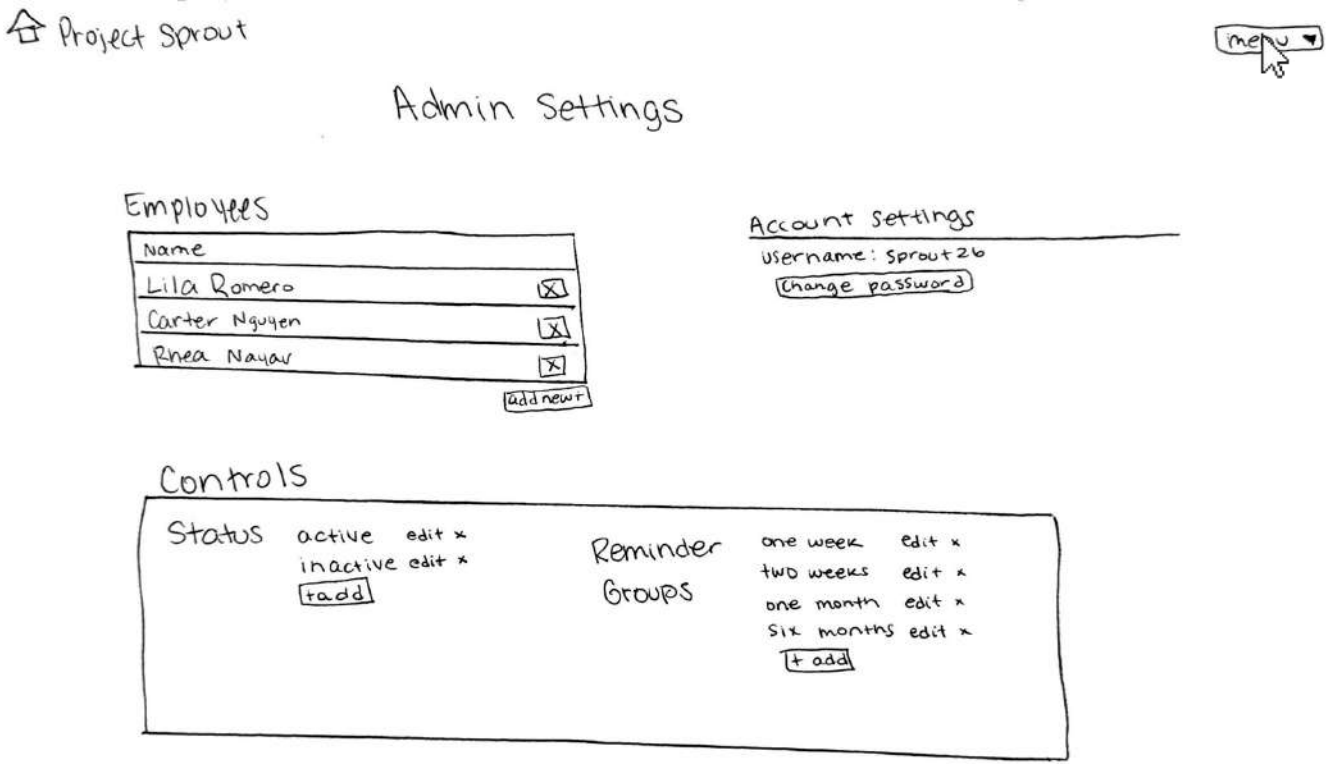
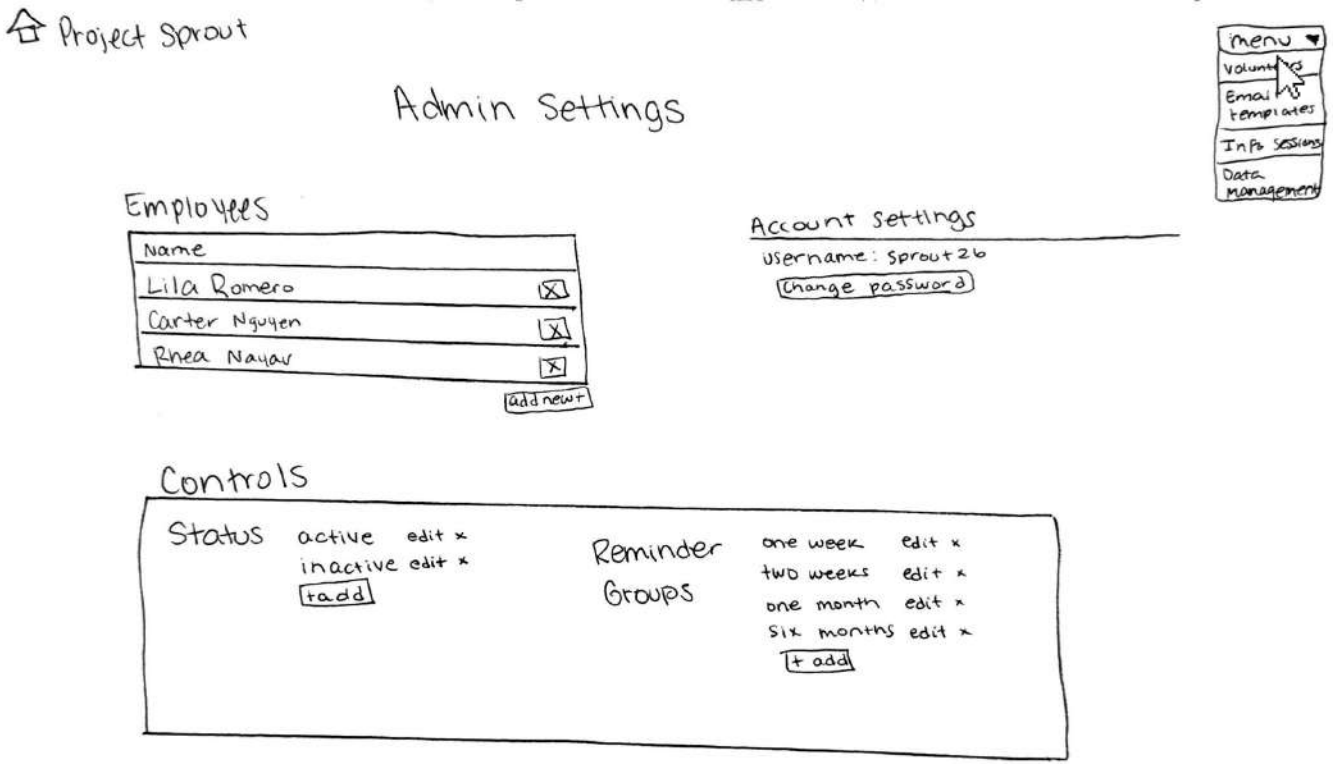
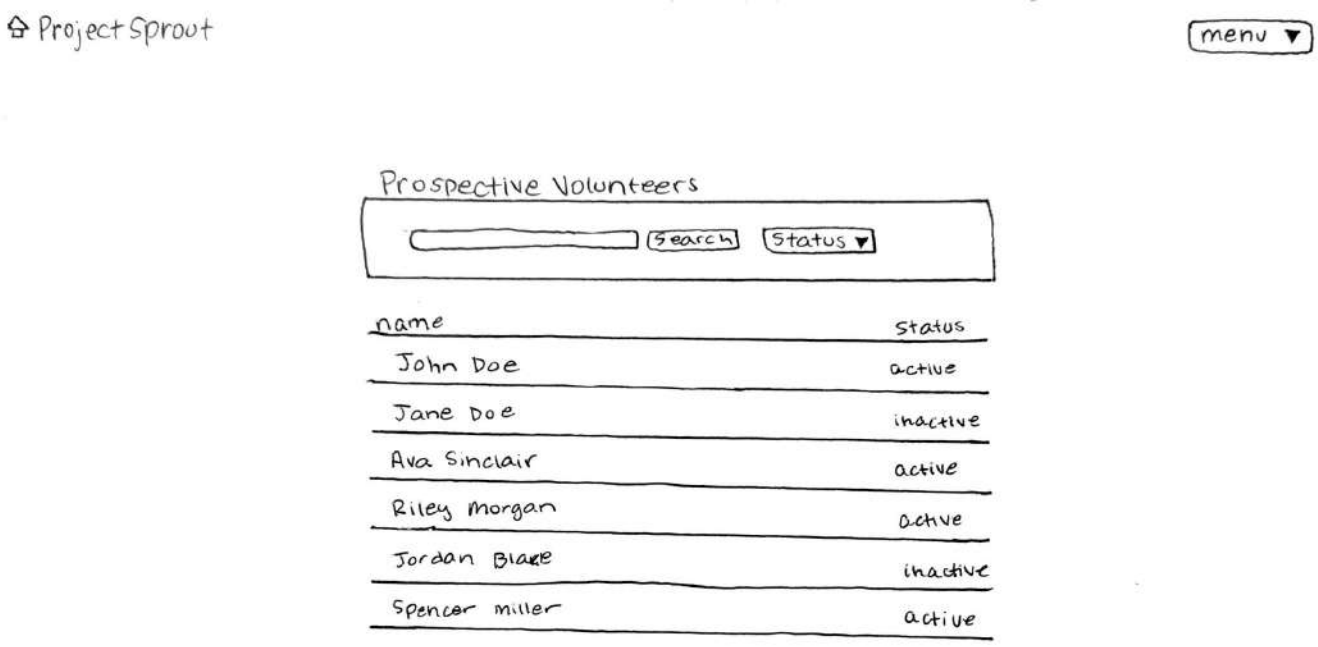





Project Sprout
menu
Admin Settings
Employees
Name
Lila Romero
Carter Nguyen
Rhea Nayar
add newr
Account Settings
username: sprout26
change password
Controls
Status
active edit x
inactive edit x
+add
Reminder Groups
one week edit x
two weeks edit x
one month edit x
six months edit x
+ add


Project Sprout
Admin Settings
menu
Volume
Email templates
Info sessions
Data management
Employees
Name
Lila Romero
Carter Nguyen
Rhea Nayar
add new+
Account settings
username: sprout26
change password
Controls
Status
active edit x
inactive edit x
+add
Reminder Groups
one week edit x
two weeks edit x
one month edit x
six months edit x
+ add


Project Sprout
menu
Prospective Volunteers
Search
Status
name
Status
John Doe
active
Jane Doe
inactive
Ava Sinclair
active
Riley Morgan
active
Jordan Blake
inactive
Spencer miller
active

PART 03

Deployment & Miscellaneous

Isabelle Larson

Deployment

- Host our database, deploy Sprout on **Amazon Web Services** (AWS)
  - Has credits & plans specifically for non profits
  - Will handle storing all data, running of actual application

Miscellaneous

- Mailchimp connection
  - Current Child Focus NJ account supports **email & SMS**
- External System connection → **proof of concept created**
  - Can input (seed) volunteer information directly into sandbox & delete volunteer information

Cost Estimate Table

Item	Reason	Cost
Mailchimp Services	Send emails & messages to volunteers, process automated through app	**$0**, Child Focus NJ has existing plan
AWS Cloud Services	Used to store the database, host app in the cloud	**Free Tier** provides **$100** in credits **Nonprofits**: **$95** administrative fee, provides **$1,000** in credits, renewed annually

PART 04

Questions?

NYU

Sprout
Child Focus NJ

Professor: Dr. Peter DePasquale

Developers: Isabelle Adams, Isabelle Larson, Wes Simpson, & Sufyan Waryah

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