

# Commit the Change

2024 - 2025 Portfolio

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## About Us

Commit the Change (CTC) is a student organization at the University of California Irvine, and our mission is to develop high quality software for non-profit organizations while giving students opportunities to develop tech, with purpose. Founded in early 2020, CTC has since grown to a team of over 70 members and has completed 13 different software projects.

### Partner With Us

Each school year we work closely with a small group of NPOs to determine how software could be used to alleviate bottlenecks in their operating procedures, facilitate a new initiative, or otherwise support their mission. We confirm our partner NPOs in September, and once a project is found, our student design and development teams implement an elegant and user-friendly software solution, at low or no cost to the NPO. The following pages cover the NPOs we worked with from 2020-2024, and how our software projects supported their missions.



# General Partnership Process



## MAY 2024 - SEP 2024

Our Outreach Directors meet with non profits to align on project goals and requirements. Official partnerships are confirmed in September.



## OCT 2024 - JUN 2025

We follow a 9-month development process that aligns with our school year. This process may be longer depending on project scope.



## ITERATIVE DEVELOPMENT

We revise and improve the product based on your feedback and conduct user testing after each major change.



## FREQUENT COMMUNICATION

We provide quarterly updates, respond to emails, and always check in with you about design decisions and project requirements.



## 2023-2024 Projects



### Achievement Institute of STEM Scholars

[aissfoundation.com](https://aissfoundation.com)

Education



### Pets of the Homeless

[petsofthehomeless.org](https://petsofthehomeless.org)

Animal Welfare



### Stand Up to Trash

[standuptotrash.com](https://standuptotrash.com)

Environmental  
Protection



# Achievement Institute of STEM Scholars

CTC Team Stats: 5 Designers | 14 Developers

## Mission

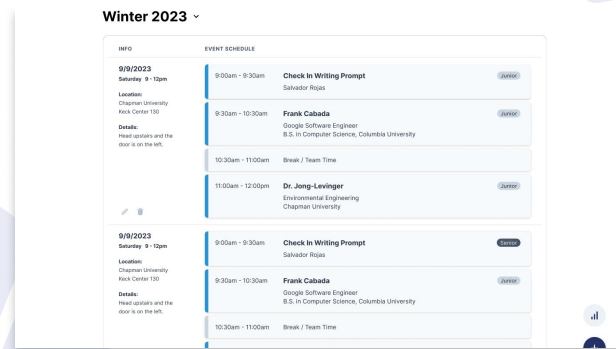
AISS aims to support high-achieving, economically disadvantaged high school students interested in STEM careers. The 2-year program, starting in junior year, includes workshops and field trips to help students build careers in STEM and break the cycle of poverty.

## Problem

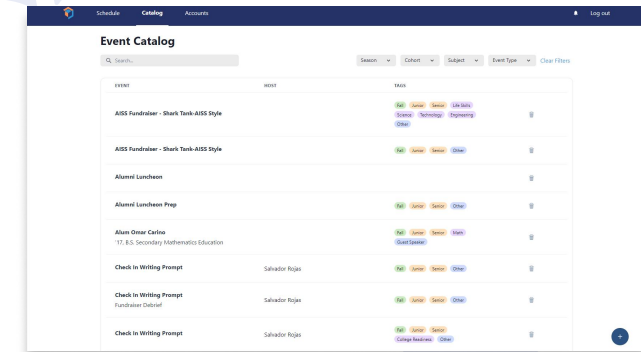
Event scheduling for the program was managed on a Google Sheet, leading to issues with event detail accuracy, schedule reorganization, and tracking event statistics for potential sponsors. This outdated method also hindered program expansion, as it was difficult to manage the increasing number of scheduled events.

## Solution

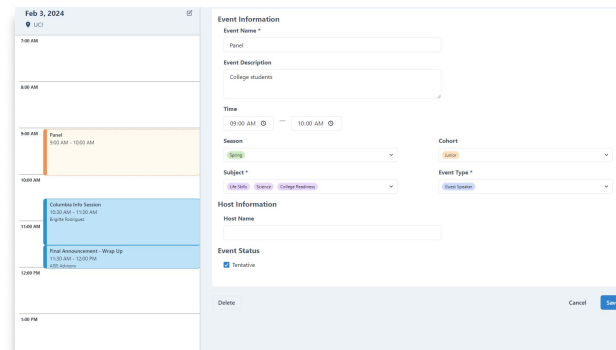
A schedule planner application to help AISS admin easily organize and plan events. Admins can block out each day with events, such as guest speakers and STEM-based workshops, and source events from a catalog of previous events. This new system is projected to add an additional quarter of events and expand the number of scholars accepted into the program.



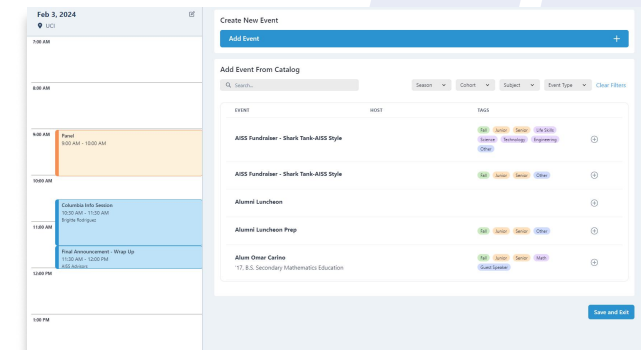
Admin Scheduling Dashboard



Events Catalog



Create an Event



Create Schedules & Calendars

# Feeding Pets of the Homeless

CTC Team Stats: 5 Designers | 14 Developers

## Mission

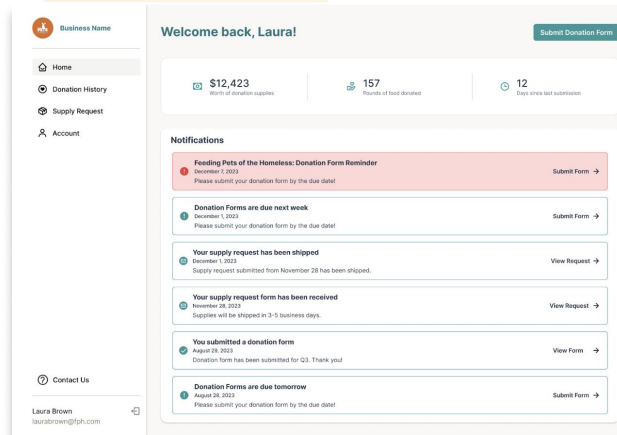
Feeding Pets of the Homeless believes in the healing power of companion pets and of the human/animal bond. Their task, nationwide, is to feed and provide basic emergency veterinary care to their pets and thus relieve the anguish and anxiety of homeless guardians who cannot provide for them.

## Problem

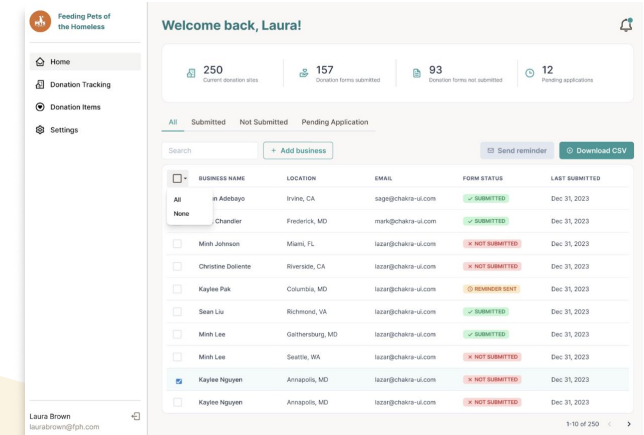
The entire process of onboarding and the donation reporting process requires constant back-and-forth communication that was not intuitive. Additionally, receiving donation reports was difficult without a streamlined process and the sites could not view the donations and the impact they were making.

## Solution

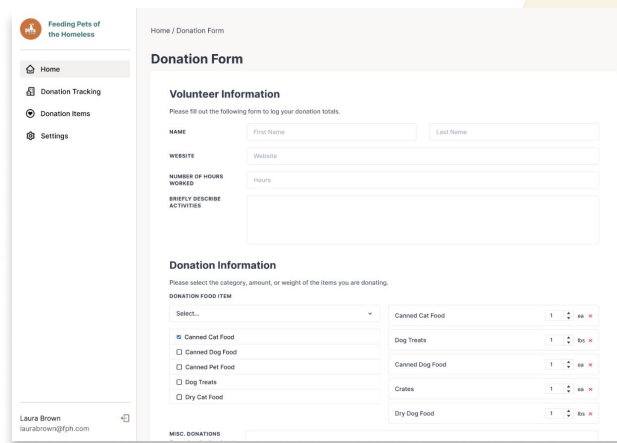
A new website that expedites the onboarding and donation reporting processes for donation sites. This platform will serve as a central hub where donation sites can register themselves, submit their donation sheets, have quick communication, track their contributions, and allow FPH to monitor all of these interactions.



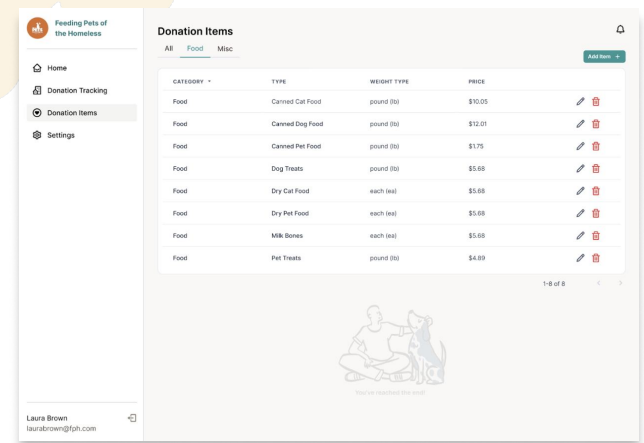
Business Dashboard



Admin Dashboard



Business Donation Form



Admin Donation Sorting

# Stand Up to Trash

CTC Team Stats: 5 Designers | 14 Developers

## Mission

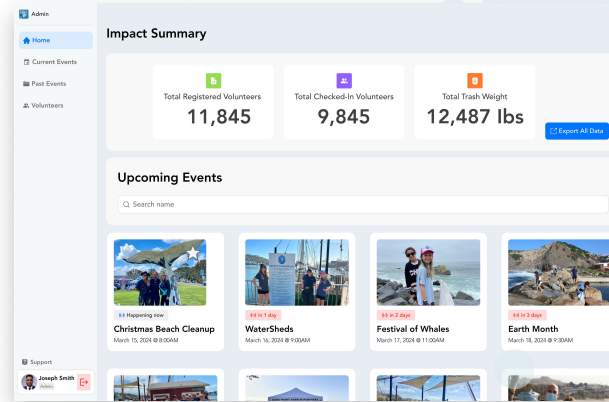
Stand Up to Trash helps protect and conserve the ocean by raising awareness of the negative effects caused by plastic pollution through environmental education for future generations.

## Problem

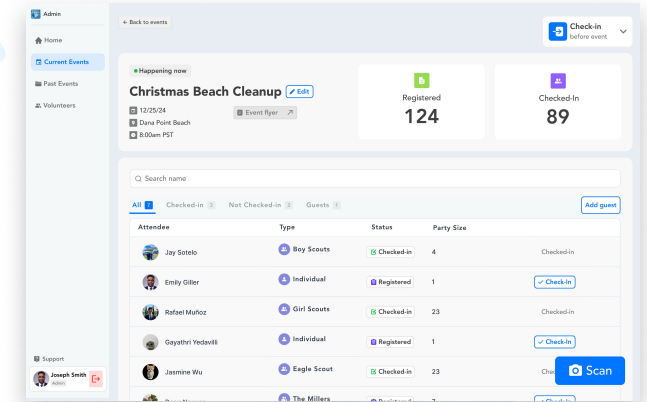
Stand Up to Trash's current processes involve collecting volunteer information through a Wix website, manually transferring it to a Google Spreadsheet, and printing the it for use at beach cleanup events. This intensive process is time-consuming and prone to errors, impeding efficient volunteer management and event check-ins.

## Solution

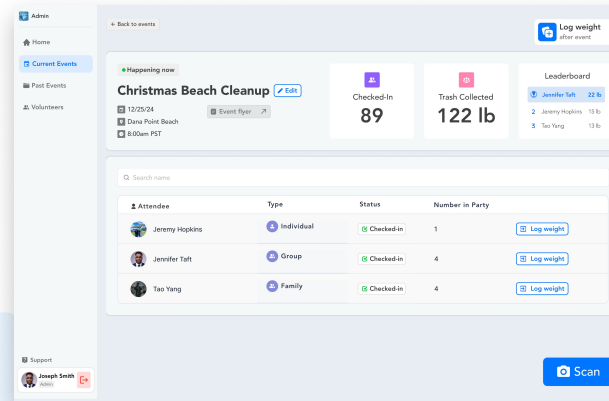
We developed a comprehensive web application to streamline volunteer registration processes. This integrated system also facilitates and enhances data management across all events, accelerating volunteer check-in and data collection. These improvements provide a more seamless and effective volunteer management solution."



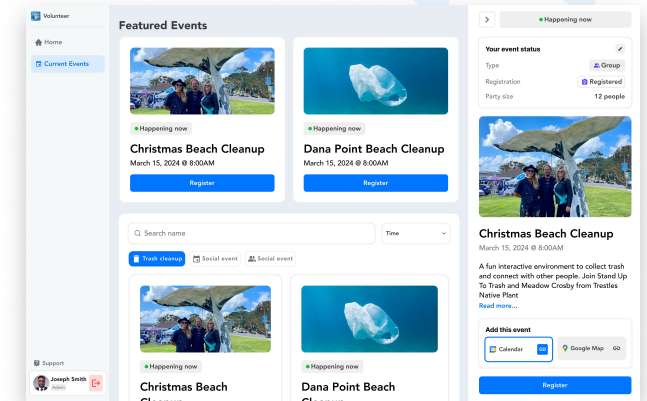
Admin Dashboard



Check-in Volunteers @ Live Event



Collect & Aggregate Trash Data



Volunteer Dashboard

## 2022-2023 Projects



### Patriots and Paws

[patriotsandpaws.org](http://patriotsandpaws.org)

Veteran Services



### Get Inspired

[getinspiredinc.org](http://getinspiredinc.org)

Environmental  
Protection



### CELL DOGS

#### Cell Dogs

[celldogs.org](http://celldogs.org)

Animal Welfare

# Patriots and Paws

CTC Team Stats: 5 Designers | 13 Developers

## Mission

Patriots and Paws provides Veterans/Active Military/Reservists and their families throughout Southern California with basic home furnishings. Additionally, veterans and can be matched up with a rescued animal for adoption.

## Problem

Patriots and Paws obtains furniture for veterans through donations and requires an efficient system to manage the donation process and collect donor contact information. Presently, they rely on email communication to schedule furniture pickups and create driver routes, which can result in miscommunication.

## Solution

We created a dashboard for Patriots and Paws' admins to easily validate, manage, and schedule donations. On the driver dashboard, drivers can see their route for the day, upcoming routes, and if any updates have been made to a donation pickup. Additionally, we created a donor dashboard for the donors to easily keep track of their donation status.



NAME	DONATION ID	STATUS	SUBMISSION DATE
Kimberly White	#1A2B3C	APPROVAL REQUESTED	February 15th, 2023
Nancy Carson	#2A4B6C	APPROVAL REQUESTED	February 15th, 2023
John Smith	#3B6A9C	APPROVAL REQUESTED	February 15th, 2023
Karen Johnson	#123ABC	CHANGES REQUESTED	February 20th, 2023
Lee Barker	#ABC123	RESCHEDULE	February 20th, 2023
Elena Crowe	#SADF12	RESCHEDULE	February 20th, 2023
Caleb Cooper	#OD385F	PENDING	February 23rd, 2023
Casey Cooper	#HJ0984	PENDING	February 23rd, 2023

Admin dashboard

**My Donation** Pickup View

Your donation has been approved! Be sure to schedule your pickup time.

Approved Form #123224 Submitted on 12/03/2023

Bed Frame	1
Dining Chair	4
Side Table	1
Dining Table	1
Cabinet	4
Mirror	1

**Track your donation**

- Form Submitted
- Submission Approved
- Pickup Scheduled
- Donation Picked Up

Driver dashboard

**Irvine Route** Tuesday, February 1st 2023

Day	Route 123	Time	Route
Sunday	30		
Monday	31		
Tuesday	01	Time	
Wednesday	02		
Thursday	03		
Friday	04		
Saturday	05		
Sunday	06		
Monday	07		
Tuesday	08		
Wednesday	09		
Thursday	10		
Friday	11		
Saturday	12		
Sunday	13		
Monday	14		
Tuesday	15		
Wednesday	16		
Thursday	17		
Friday	18		
Saturday	19		
Sunday	20		
Monday	21		
Tuesday	22		
Wednesday	23		
Thursday	24		
Friday	25		
Saturday	26		
Sunday	27		
Monday	28		
Tuesday	29		
Wednesday	30		
Thursday	01		
Friday	02		
Saturday	03		

Donation Management

**Donation #1A2B3C** Submission Date: January 9th 2023

**Basic Information**

Name: Caleb Cooper  
Email Address: ccooper@pnp.com  
Phone Number: (123) 456-7890

**Address**

Street Address: 123 Street  
City: Irvine  
State: CA  
Zip Code: 92627

**Furniture Items**

Table	1
Bed Frame	1
Table Chair	8
Couch	3

Donation View



# Get Inspired

CTC Team Stats: 5 Designers | 13 Developers



## Mission

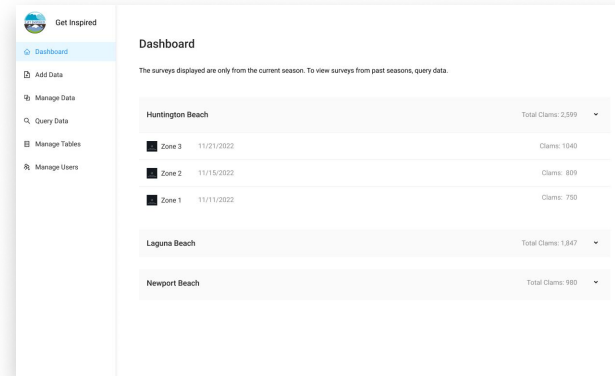
Get Inspired promotes ocean restoration education and engages the community in environmental stewardship. They offer volunteer opportunities to restore and preserve marine ecosystems and educate students on marine life by partnering with schools to restore kelp forests and Pismo clams in Orange County beaches.

## Problem

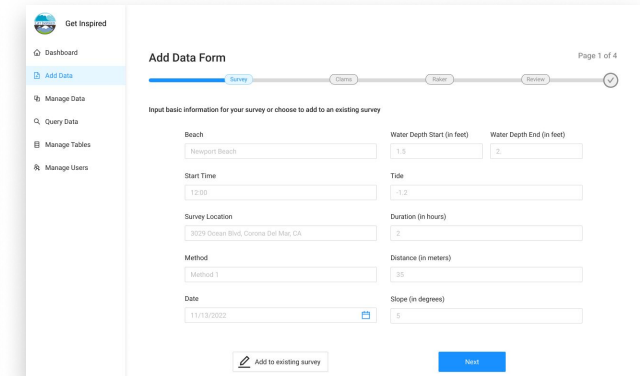
During their visits to OC beaches, the team at Get Inspired conducts surveys to collect data on Pismo clams. Currently, the data is recorded on paper and then manually entered into a spreadsheet and then imported into RStudio for analysis. However, this manual data entry process is inefficient and prone to errors and redundancy.

## Solution

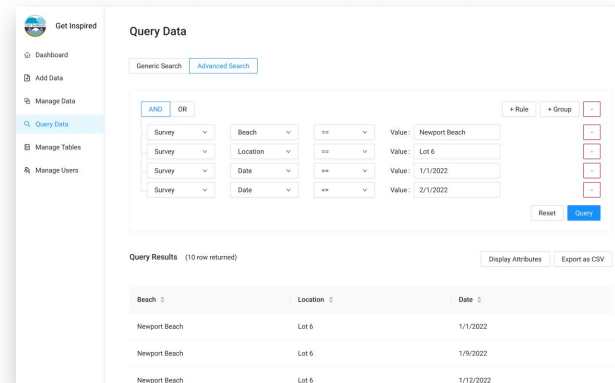
We created a web application that facilitates tracking and managing Pismo clam data. The website hosts a database that stores details about Pismo clams. The interface allows the team to input, view, manage, and query clam data. The data can be exported to a CSV file to be used in RStudio.



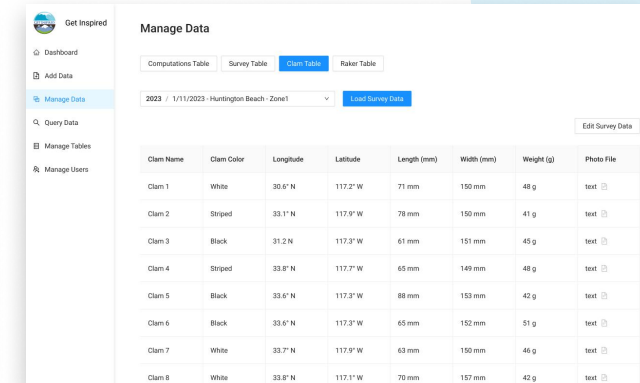
Dashboard



Add Data Form



Query Data



Manage Data

# Cell Dogs

CTC Team Stats: 5 Designers | 13 Developers

## Mission

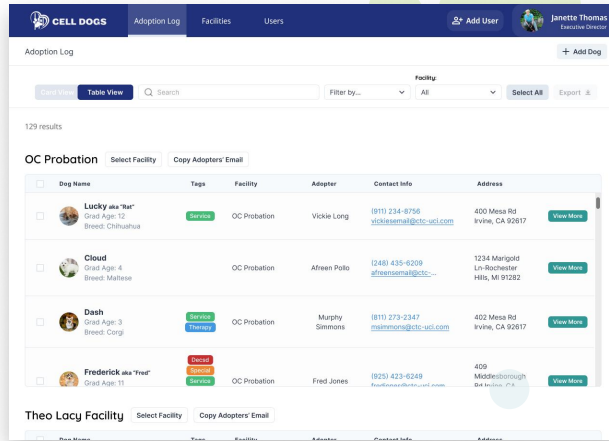
Cell Dogs helps rehabilitate inmates by allowing them to train rescued dogs. This program teaches responsibility and vital life/job skills. Trained dogs are placed with families or become service dogs.

## Problem

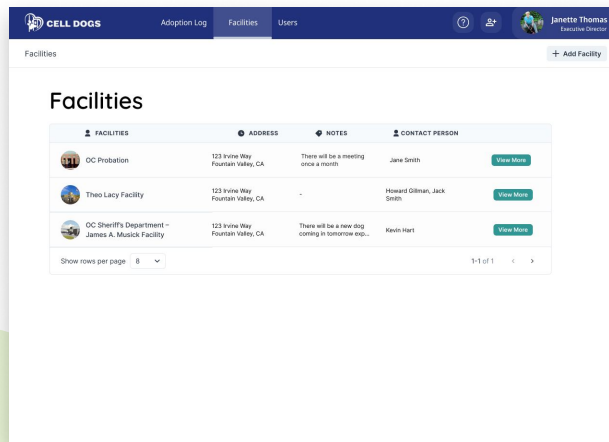
Cell Dogs relies on Excel to store information on dogs and inmates in their program, including names, graduation status, jail location, and personal details. However, the increasing number of dogs and data has made using a basic Excel spreadsheet unmanageable for program managers.

## Solution

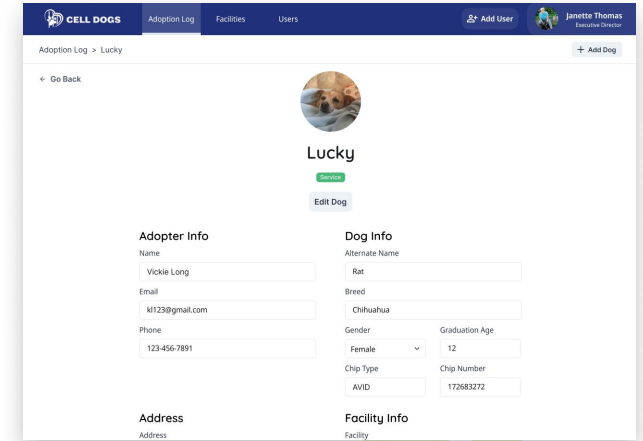
We developed a web application to streamline data management. This tool enables Cell Dogs to easily create, update, delete, and access information, allowing for efficient planning based on dog distribution across jails. This internal database tool accelerates the relocation process, ultimately aiming to reduce the rate of repeat offenders and contribute to a decline in criminal behavior recurrence.



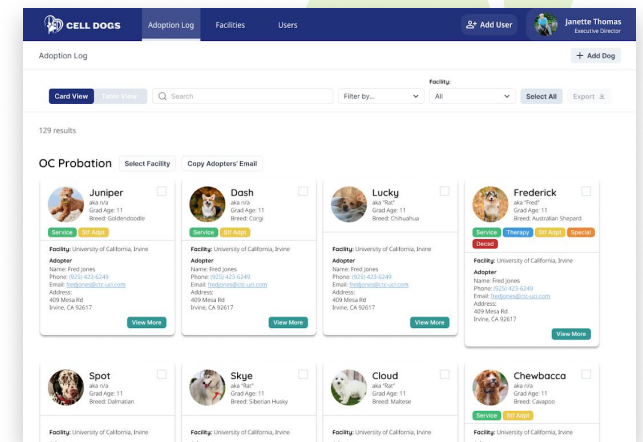
Adoption Log Dashboard (Table View)



Facilities Dashboard



View Dog



Adoption Log Dashboard (Card View)



## 2021-2022 Projects



**Abound Food Care**

**Abound Food Care**

[↗ aboundfoodcare.org](http://aboundfoodcare.org)

📍 Housing & Hunger



**FIND  
YOUR  
ANCHOR**

**Find Your Anchor**

[↗ findyouranchor.us](http://findyouranchor.us)

📍 Mental Health



**OC Habitats**

[↗ ochabitats.org](http://ochabitats.org)

📍 Wild Life Conservation



**The Literacy Project**

[↗ literacyproj.org](http://literacyproj.org)

📍 Education



# Abound Food Care

CTC Team Stats: 6 Designers | 16 Developers

## Mission

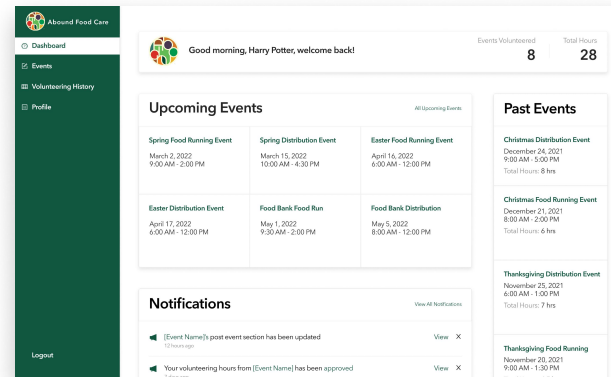
Abound Food Care's mission is to eliminate hunger and food waste. They work towards this goal by coordinating with organizations to provide excess edible food to communities in need, rather than landfills.

## Problem

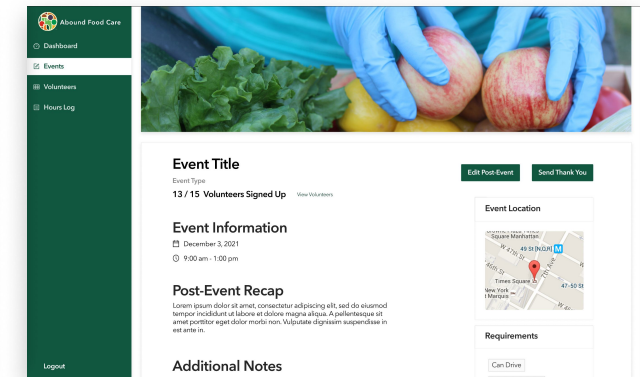
Abound Food Care is constantly organizing volunteering events to work towards their mission. As the non profit has grown, they have coordinated more and more events and grown a large community of volunteers. Because of this, they have trouble scheduling their events and organizing their volunteers with inconsistent availability.

## Solution

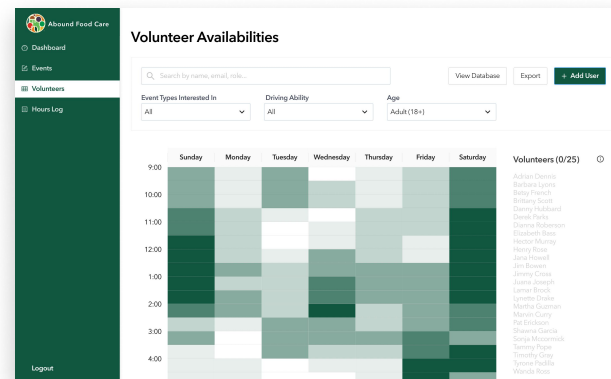
We designed and developed an online volunteer management system for Abound Food Care to help them communicate with their volunteers and engage them in organizational events. The system additionally gave Abound Food Care and their volunteers insight on their volunteering statistics and history.



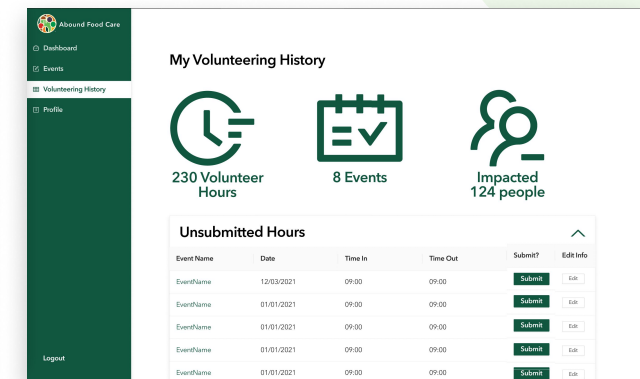
Dashboard



Event Page



Volunteer Management



Volunteering History Dashboard

# Find Your Anchor

CTC Team Stats: 6 Designers | 12 Developers



FIND  
YOUR  
ANCHOR

## Mission

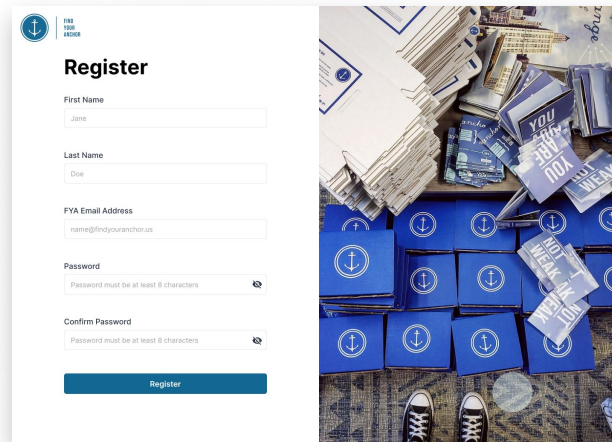
Find Your Anchor's goal is suicide prevention, awareness, and education. The non profit works towards this by distributing "anchor" boxes in communities throughout the US that are packed with resources and materials to support those struggling with mental health.

## Problem

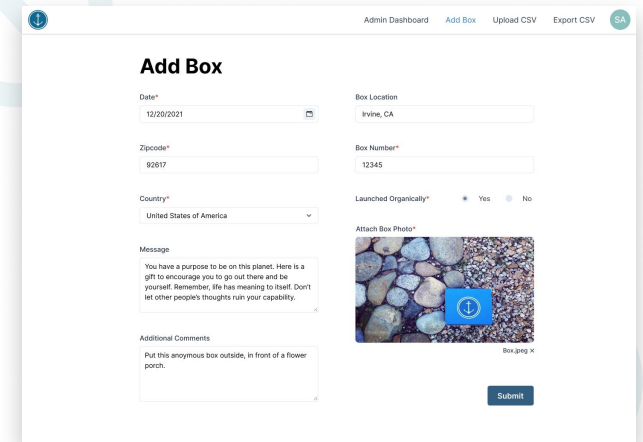
After Find Your Anchor launches their resource boxes, people often add to the box and pass it along. Because of this, however, it is difficult to track their journey.

## Solution

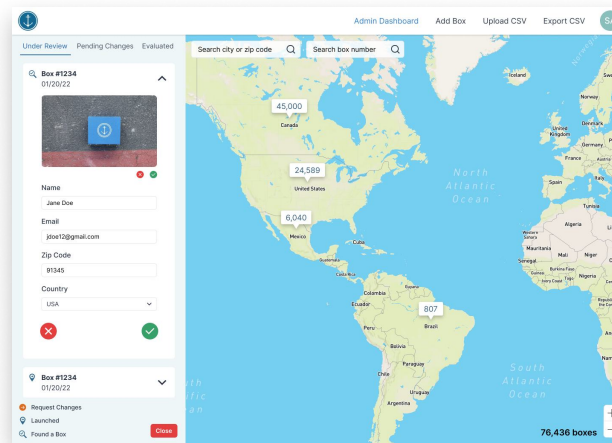
We created a system that allows users and Find Your Anchor's administry to manage their anchor boxes. Specifically, we designed and developed a tracking map for these users to see where their mental health anchor boxes were traveling throughout the world.



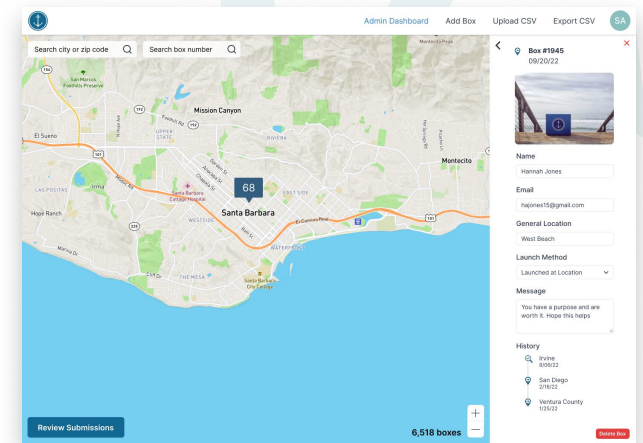
Register & Login



Launch a Box



Approve & Track Boxes - Admin View



Box Details

# OC Habitats

CTC Team Stats: 6 Designers | 16 Developers

## Mission

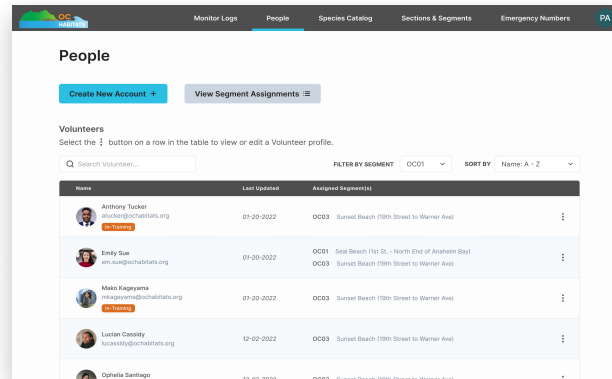
OCH's mission is to provide a public service for the many habitats of Orange County through conservation efforts, volunteerism, education, and monitoring to promote the preservation, conservation, and restoration of natural habitats and the species therein.

## Problem

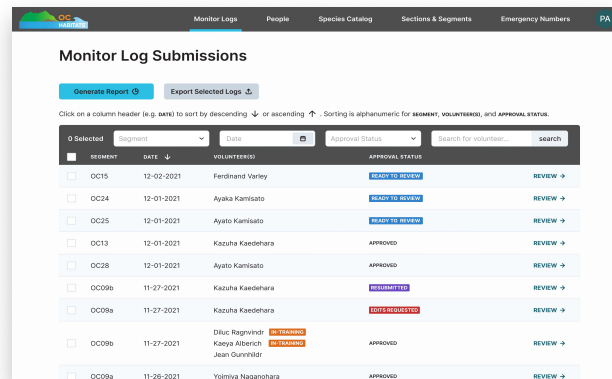
OC Habitats receives a high volume of mostly unstructured data from dozens of volunteer habitat surveyors. This data needs to be accurately aggregated and analyzed for usage by other NGOs and conservation entities. They experience data cleaning issues that stem from an inefficient data collection method.

## Solution

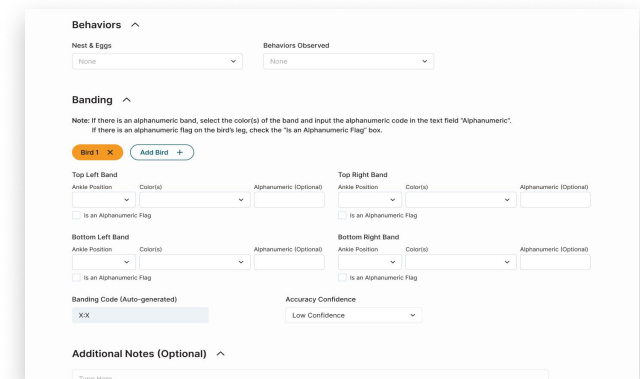
We designed and developed an online custom survey log management system that streamlines the data collection process while providing volunteers with a user-friendly interface. This system allows OCH's small staff to spend less time cleaning data and redirect that time towards conservation, restoration, and education efforts.



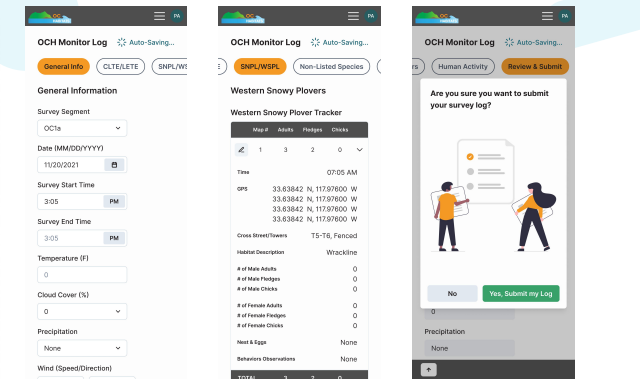
## Volunteer Management



## Survey Data Collection



## Custom Survey Configuration



## Responsive Mobile Survey

# The Literacy Project

CTC Team Stats: 5 Designers | 14 Developers



## Mission

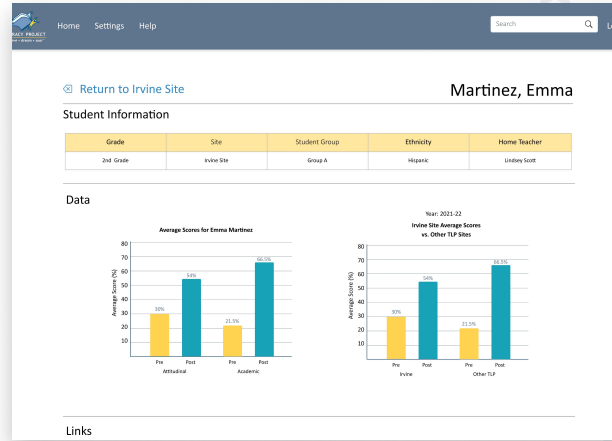
The Literacy Project's mission is to eliminate the literacy gap of emerging 2nd-graders who are functionally illiterate.

## Problem

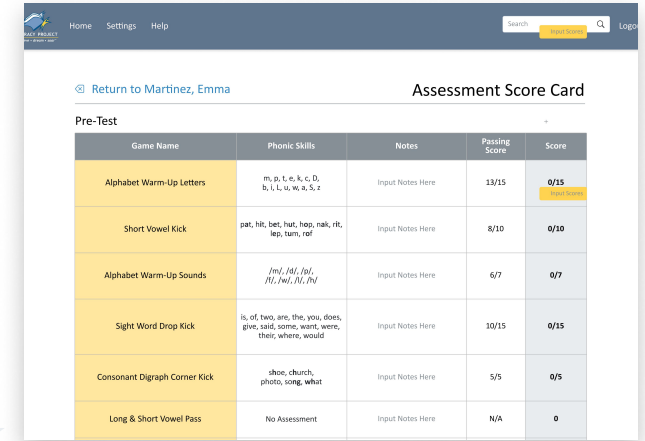
The Literacy Project processes and tabulates over 1500+ physical student assessment cards from dozens of schools every year to inform on the status of their students. This process is heavily time taxing and takes months.

## Solution

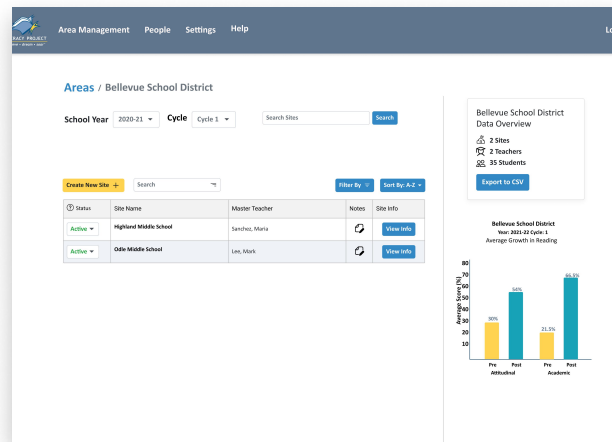
We created a system that digitizes the assessments to allow for a more efficient workflow, so student data is available sooner for advanced analysis and progress check-in. This system also allows TLP Admins to manage the schools and school districts in which their programs run to organize student data.



Student Data - Teacher View



Assessment Card - Teacher View



School Management - Admin View

**CREATE NEW SITE**

**Basic Information \***

Name\*

Street Address\*

Apt, suite, etc.

City\*

State\*

Zip Code\*

Country\*

**Primary Contact \***

First Name\*

Last Name\*

Title

Add Program Site - Admin View

## 2020-2021 Projects



**Justice for Families**

[justice4families.org](https://justice4families.org)

📍 Social Justice



**Child Creativity Lab**

[childcreativitylab.org](https://childcreativitylab.org)

📍 Education



**Waymakers**

[waymakersoc.org](https://waymakersoc.org)

📍 Community Outreach



# Child Creativity Lab

CTC Team Stats: 3 Designers | 9 Developers

## Mission

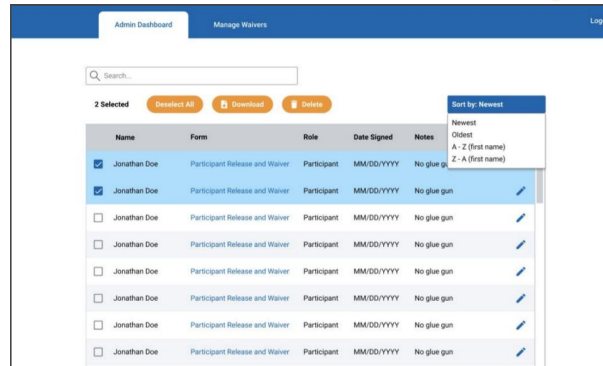
Child Creativity Lab's mission is to foster the next generation of critical thinkers, innovators, and leaders through hands-on creativity enhancing exploration. They incorporate creativity in STEM education, making it easier for children to understand and enjoy.

## Problem

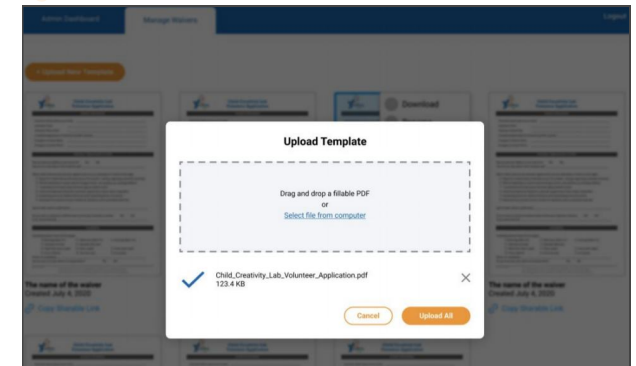
CCL physically scans event and workshop paper waivers and uploads them to a drive, which is a time consuming and error prone process. CCL also wants to sell physical learning kits where only the kit owners have access to their custom-made online educational videos.

## Solution

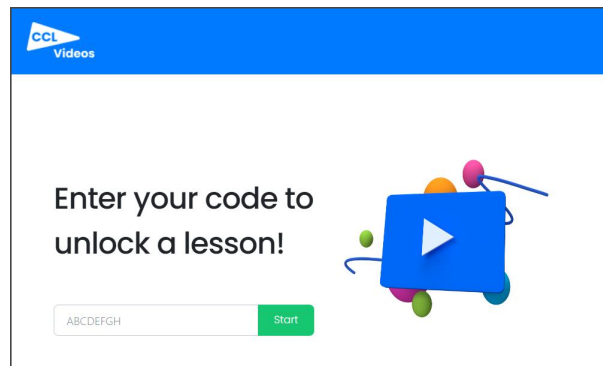
We created an online waiver management system where volunteers and participants can sign waivers automatically stored in a dashboard for admins to access. We also developed a video platform where admins can upload videos and generate unique codes for the customers to view.



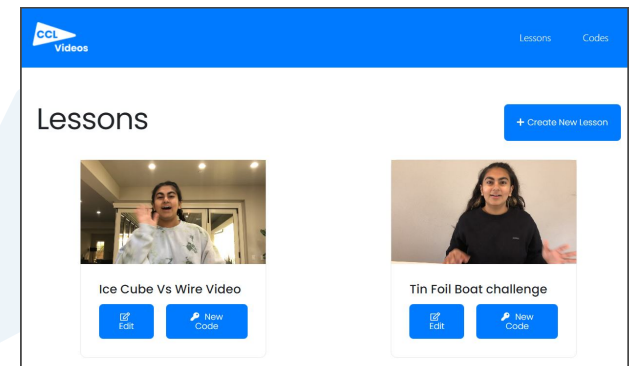
**Waiver System:** Admin Dashboard showing list of signed waivers



Manage Waivers screen allowing admins to upload waiver templates



**Video Platform:** Customers can unlock their lesson videos by entering the code that came with their learning kit



Admin view of the available lesson plans where they can upload, edit, and generate codes for videos

# Justice for Families

CTC Team Stats: 7 Designers | 16 Developers

## Mission

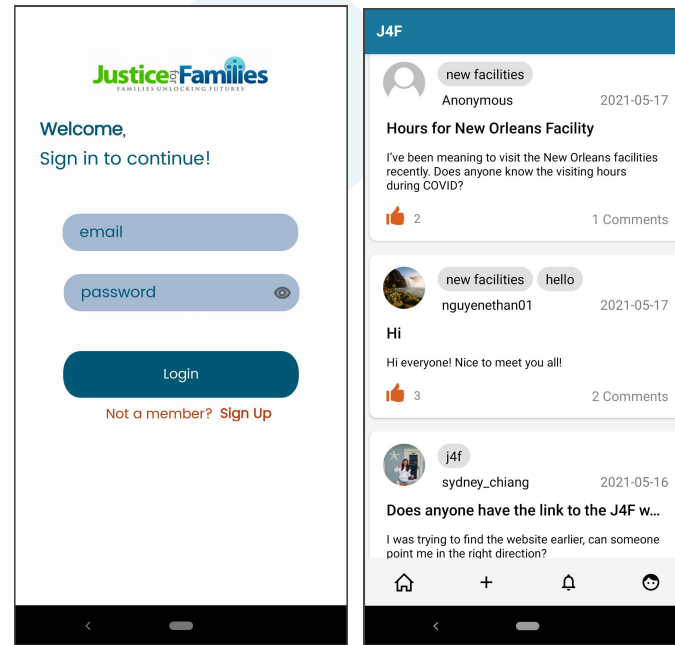
Justice for Families is a national juvenile justice reform organization with the mission to stop the U.S. youth incarceration epidemic. Justice for Families focuses on the advancement of systemic policy and practice change while also building a base of those directly impacted.

## Problem

Justice for Families has been receiving calls from families asking for more reliable and up-to-date information about prisons. Having an aggregation of shared experiences can help inform and strengthen the community.

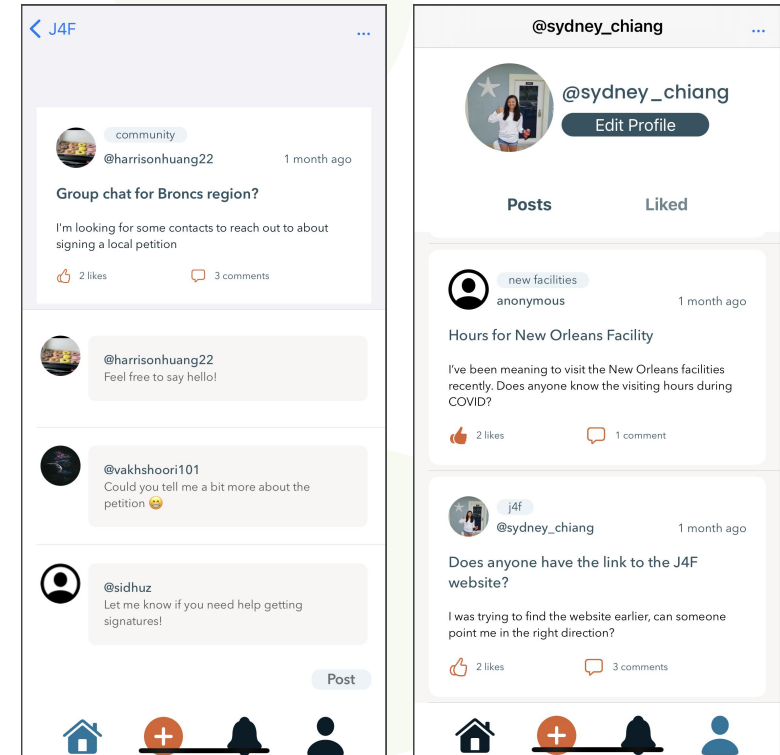
## Solution

We developed an Android and iOS community forum prototype application. Users are able to post messages to a main feed that all users can like or comment on. We added features catered towards the community such as anonymous posting, tags to categorize posts, and urgent notifications.



**Android App:** Sign in and Main Feed Screens

**iOS App:** Single Post and Profile Screens





# Waymakers

CTC Team Stats: 5 Designers | 14 Developers

## Mission

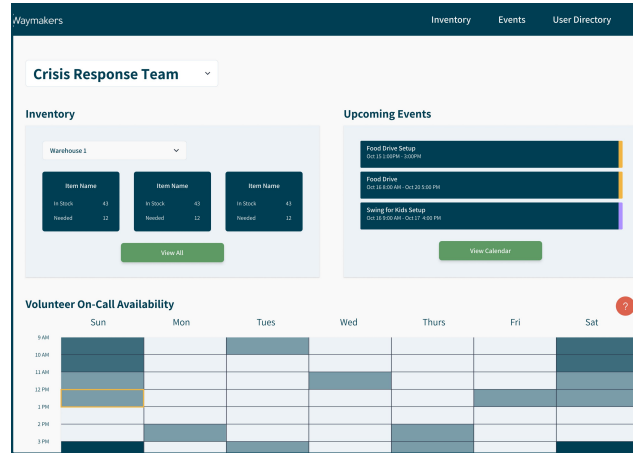
Waymakers' mission is to build safer communities by helping individuals make their way through conflict and crisis to a place of strength and stability.

## Problem

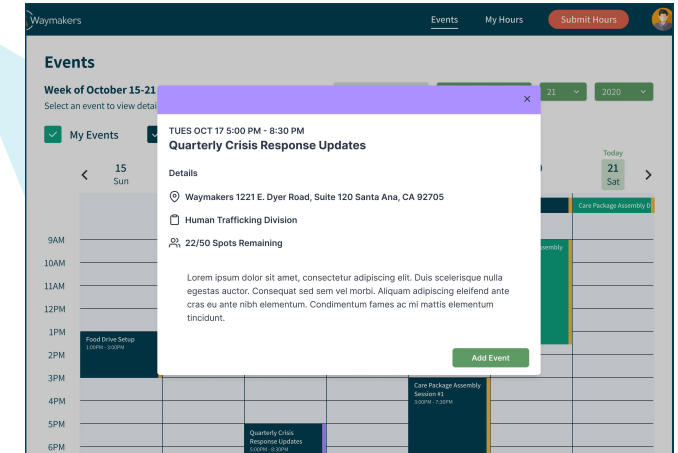
Most of Waymakers' internal processes are kept through paper and repeatedly printed, copied, and distributed. This wastes away thousands of hours each year which could be better spent helping individuals through conflict.

## Solution

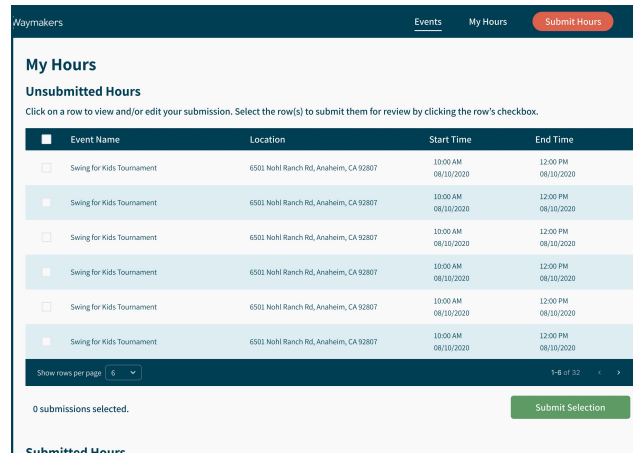
We built an online system for Waymakers to track their internal inventory, store and look up volunteer information, and create events for volunteers to participate in and log their hours.



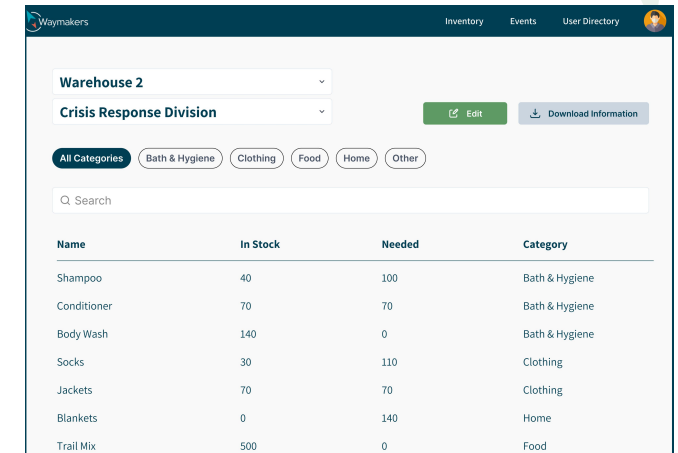
Admin Dashboard



Events System

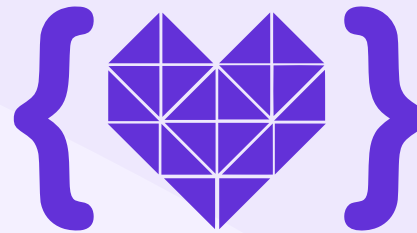


Volunteer Hour Tracking



Inventory Management

# Thank you for reading!



## Get in Touch!

If you would like to learn more about Commit the Change or would like to talk about how we could partner in the future, please reach out to us at **[ctc@uci.edu](mailto:ctc@uci.edu)**. We would love to learn more about your organization as well.