

# Nonprofit Partnership Project Document

HackCU × Blueprint Collaboration

Project ideas for hackers to pursue

## About This Document

This document outlines the nonprofit organizations we have met with in Spring 2026 and the specific technology projects they need. Non-profits tend to ask for similar projects that include hosting a way for their volunteers to view events, interact, and more.

## 1 Eco-Cycle

Website: [ecocycle.org](https://ecocycle.org)

**Mission:** *Innovate, implement, and advocate for local and global Zero Waste solutions to foster a more regenerative, equitable, and climate-resilient future.*

### Project — Eco-Leaders Volunteer Hub App

<b>Need</b>	Eco-Cycle has 1,000+ volunteers in the Boulder-Denver area. Email communication is failing. Volunteers miss messages, invitations, and opportunities because their inboxes are too full.
<b>Solution</b>	A dedicated app serving as a central hub for Eco-Leaders: push notifications, event calendar, volunteer opportunities, private community chatrooms (like Slack), and carpooling coordination.

### Key Features to Build

- Push notifications replacing email blasts
- Calendar tab: upcoming volunteer events, advocacy opportunities, private events
- Community chatrooms, e.g., a composting channel, env. education channel
- Carpool coordination between volunteers
- Training resources and onboarding for new Eco-Leaders

### User Types

Volunteers	Staff / Coordinators
<ul style="list-style-type: none"><li>• Browse &amp; sign up for opportunities</li><li>• View personal calendar &amp; upcoming events</li><li>• Receive push notifications &amp; reminders</li><li>• Chat with other volunteers</li><li>• Access training resources &amp; onboarding</li></ul>	<ul style="list-style-type: none"><li>• Post &amp; manage volunteer opportunities</li><li>• View rosters &amp; track sign-ups</li><li>• Send announcements &amp; broadcast messages</li><li>• Manage event calendar</li><li>• Monitor volunteer activity &amp; attendance</li></ul>

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## 2 Colorado Therapeutic Riding Center (CTRC)

Website: [ctrcinc.org](http://ctrcinc.org)

**Mission:** *Change the lives of people with disabilities by promoting their physical, psychological, and social well-being through equine-assisted activities.*

**Context:** CTRC has been operating for 46 years. Their programs have grown significantly but their technology has not kept pace. They are actively looking to modernize their volunteer, donor, and impact tracking systems.

### Project — Volunteer Scheduling & Hub App

<b>Need</b>	CTRC coordinates hundreds of volunteers every week with a constantly changing schedule. Current system relies on emails and phone calls, which is difficult to manage at this scale.
<b>Solution</b>	A volunteer hub app with scheduling, open slot sign-ups, reminders, a shared calendar, and coordinator visibility into real-time coverage. Should integrate with their existing NeonOne CRM (emails and phone numbers only, no financial data).

### User Types

<b>Volunteers</b>	<b>Staff / Coordinators</b>
<ul style="list-style-type: none"><li>• View &amp; sign up for open volunteer slots</li><li>• View personal schedule &amp; upcoming sessions</li><li>• Receive reminders &amp; schedule change alerts</li><li>• Communicate with coordinators</li></ul>	<ul style="list-style-type: none"><li>• Post open slots &amp; manage weekly schedules</li><li>• See real-time roster &amp; coverage at a glance</li><li>• Send announcements to volunteers</li><li>• Manage volunteer contact info (CRM integration)</li></ul>

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### Project Summary at a Glance

<b>Nonprofit</b>	<b>Project</b>	<b>Type</b>
<b>Eco-Cycle</b>	Eco-Leaders Volunteer Hub App	Mobile/Web App
<b>CTRC</b>	Volunteer Scheduling & Hub App	Mobile/Web App

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### 3 Natural Highs

Website: <https://www.naturalhighs.org/>

**Mission:** *Natural Highs – Healthy Alternatives to Drugs & Alcohol is an interactive strengths-based Prevention/Intervention Peer Mentor Program that is co-created by teens to empower teens and their communities around healthy lifestyle choices and creating a positive peer culture.*

**Context:** We have worked with them for over a year and have an ongoing project that we need help completing.

<https://www.figma.com/make/5H1pEyq7yRi43UP6DaDUIP/Complete-App-Functionality>

#### Project — Natural Highs App

<b>Need</b>	Need a website (phone-friendly) that can let users sign up, fill out consent forms, check-in into events, and fill out surveys. On the admin side, let the admin create events, see statistics on their events, create forms, and access consent forms easily and securely
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### 4 Nonprofit platform template

We have noticed that most nonprofits are looking for similar things. They want a custom platform that lets them communicate with their volunteers and donors, with context of events. This visually looks like having a calendar, a secure, in app communication method, admin portal for analytics and event management.