

UNITED WAY

RiceApps | 2023-2024

April 20th, 2024

01

introduction

Team



kai
tech lead



aidan
tech lead



hannah
pm lead



eugenia
designer



sarah
developer



joel
developer



joy
developer



nomin
developer



james
tech lead



dingding
pm lead



jessica
developer

About United Way Houston

Guided by research and data, United Way invests in high-quality programs to create the opportunity for individuals and families in the Greater Houston community to thrive.

- **WHO:** Poverty population and ALICE (Asset Limited, Income Constrained, Employed)
- **WHAT:** Providing the opportunity to attain a sustainable quality of living via
 - Financial stability
 - Early child and youth development
 - Health care
 - Safety net
- **WHERE:** Greater Houston Area
- **HOW:** Transformational change to how United Way approaches its work

Problem

The United Way team would love to **customize** some of their shared, national digital infrastructure into parts relevant to the **Houston area**

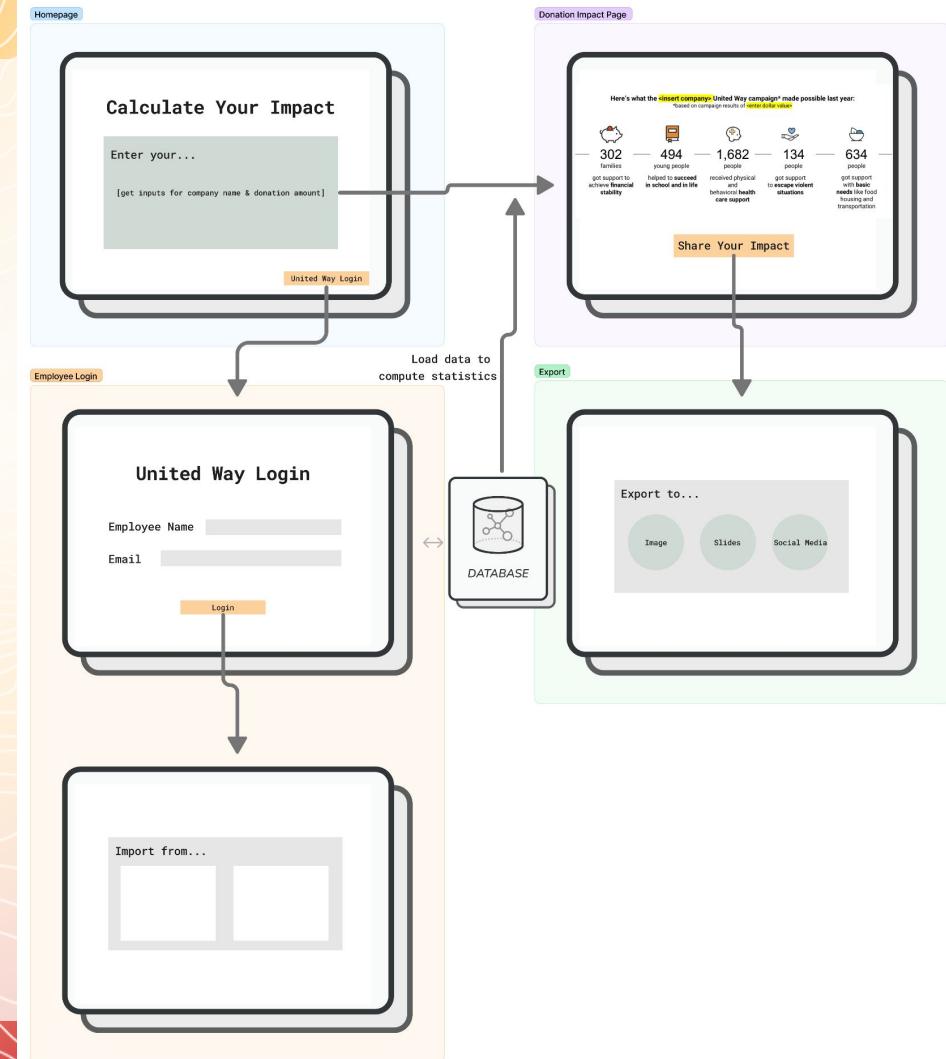
They would like to make clear to donors both the **process of donation**, as well as the **impact** that their donations have on the nonprofits of Houston

Our Solution!

Impact Calculator

Visualizing non-profit donation impact

1. **Informative:** gives a breakdown of how and where donated money goes
2. **Compelling & shareable:** creates a visual story that is sharable to social media
3. **Detailed:** Shows tangible elements of the impact United Way makes when other organizations support them



02

design

Modified Impact Calculator

A more accessible design for a larger consumer base of both companies and individuals



Admin Login

Calculate Your Impact

Company Name

Company Individual

Enter company

Donation Amount

Enter amount

Calculate



Admin Login

Calculate Your Impact

Donation Amount

Company Individual

Enter amount

Calculate

Modified Carousel Design - Companies

"Here's what the <company name> United Way campaign made possible last year"

← Here's what the <company name> United Way campaign made possible last year 



302 families
got support to achieve financial stability

→  Export as file Share to socials

← Here's what the <company name> United Way campaign made possible last year 



494 young people
helped to succeed in school and in life

→  Export as file Share to socials

← Here's what the <company name> United Way campaign made possible last year 



1,682 people
received physical and behavioral health care support

→  Export as file Share to socials

← Here's what the <company name> United Way campaign made possible last year 



134 people
got support to escape violent situations

→  Export as file Share to socials

← Here's what the <company name> United Way campaign made possible last year 



634 people
got support with basic needs like food, housing, and transportation

→  Export as file Share to socials

Modified Carousel Design - Individuals

"Here's what your donation made possible"

Here's what your donation made possible

United Way
Greater Houston

302 families
got support to achieve financial stability

494 young people
helped to succeed in school and in life

1,682 people
received physical and behavioral health care support

134 people
got support to escape violent situations

634 people
got support with basic needs like food, housing, and transportation

Export as file Share to socials

Admin Login Page

Employs a universal pin to edit the percentage value per section

←

Admin Login

PIN Number

Enter PIN Number

Login



Greater Houston

←

Update the data as necessary in the respective fields

\$ Financial Stability Enter new value %

🎓 School and Life Enter new value %

之心 Health Care Support Enter new value %

violent Violent Situations Enter new value %

home Basic Needs Enter new value %

Submit



Greater Houston

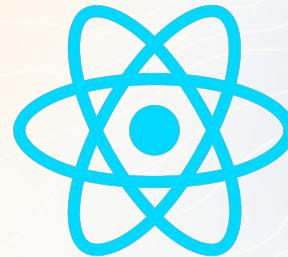
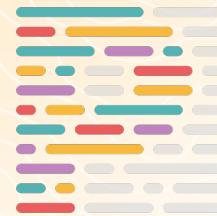
03

development

Tech Stack

Frontend

- React
- Next
- Vite
- Tailwind
- DaisyUI
- Prettier, Husky, Typescript, Eslint, Bun
- Figma



React



daisyUI



Backend

- Next
- Cloudflare Pages



NEXT.JS



Backend

Idea

- Ensure United Way employee can update donation info
- Dynamically updates donation category proportions
- Calculate impact based on proportions

Problem

- Updates only needed infrequently
- Don't want to host an entire backend and database for only 6 values

Solution

- Use the built in backend of Next.js
- Use the Github API to make a commit to main
- Automatically build and deploy using Cloudflare Pages for each commit

.ed-way / src / app / api / update / route.ts

AidanG1 remove semicolons

Code Blame 130 lines (108 loc) · 3.36 KB

```
1 import { Proportions } from '@app/types'
2 import { NextResponse } from 'next/server'
3
4 export const runtime = 'edge'
5
6 export async function POST(req: Request) {
7   const j = await req.json()
8   console.log(j)
9
10  // get the user pin
11  const userPin = j.pin
12  // get the password from the env file
13  const actualPin = process.env.PRIVATE_KEY
14  const token = process.env.GITHUB_TOKEN
15
16  // check if the pin is null
17  if (userPin === null) {
18    return NextResponse.json({ response: 'No Pin' }, { status: 400 })
19  }
20
21  console.log('pin success')
22
23  if (token === null) {
24    return NextResponse.json({ response: 'No Token' }, { status: 500 })
25  }
26
27  console.log('token success')
```

Homepage & Admin Input Page Frontend

United Way Impact Calculator

Calculate Your Impact

Company Name

INDIVIDUAL

Enter your company name

Donation Amount

Enter amount

CALCULATE

Admin Log-in



Greater Houston

Admin Sign in

PIN Number

Enter PIN number

stability

development

healthcare

0

0

0

escape

basicNeeds

totalPeople

0

0

0

UPDATE DATA

Donation Impact Frontend

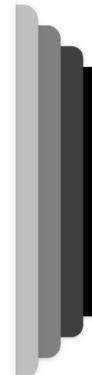


Here's what your donation
made possible last year
Based on campaign results of **\$1000**



400 youth development

Supporting youth to succeed in school
and in life

[SAVE AS PDF](#)[SAVE AS JPG](#)

04

our product/demo

<https://uway.pages.dev/>



United Way Impact Calculator +

uway.pages.dev Relaunch to update

United Way Impact Calculator

Calculate Your Impact

Donation Amount COMPANY

Enter amount

CALCULATE

Admin Log-in

Microsoft Word

The screenshot shows a web browser window with the title "United Way Impact Calculator". The URL in the address bar is "uway.pages.dev". On the right side of the header, there are icons for star, refresh, download, and a "Relaunch to update" button. Below the title, the "United Way" logo is displayed, consisting of the word "United Way" in a bold, sans-serif font next to a circular icon featuring a stylized figure holding a torch. Below the logo, it says "Greater Houston". The main content area has a white background with a dark blue-to-red gradient rectangular background for the input field. The text "Calculate Your Impact" is centered above the input field. Inside the gradient box, there is a text input field labeled "Enter amount" and a yellow "CALCULATE" button. Below the input field, there is a link "Admin Log-in" with a mouse cursor hovering over it. At the bottom left, there is a small speech bubble-like box containing the text "Microsoft Word".

05

next steps

Next Steps

What we started but did not finish

- Export feature
- Cleaning up design



Potential future goals

- Integrated Client Journey (ICJ) Tool
- Interface for United Way Employees
- UX Research

Thank You! Questions?

