

UNITED WAY

RiceApps | 2023-2024

April 20th, 2024

01

introduction

Team



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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**

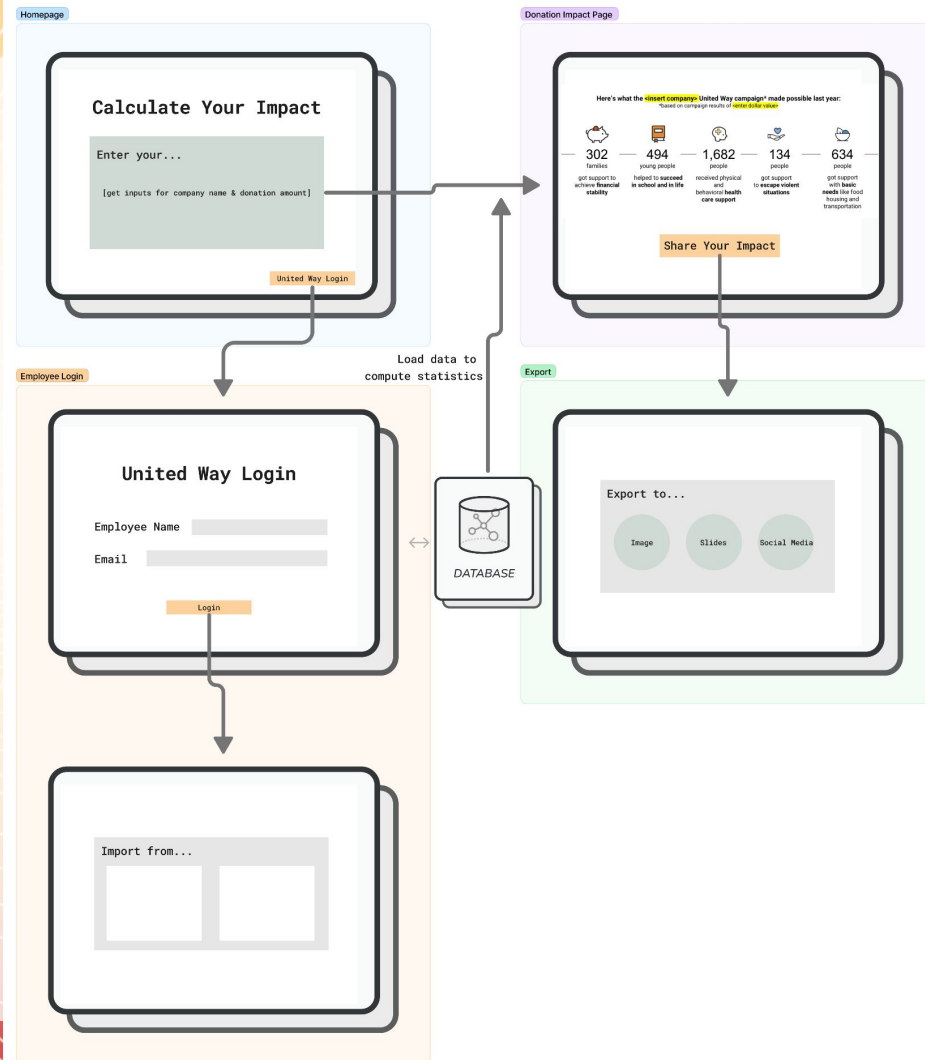
They would like to make clear to donors both the **process of donation**, as well as the **impact** that their donations have on the nonprofits of Houston

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

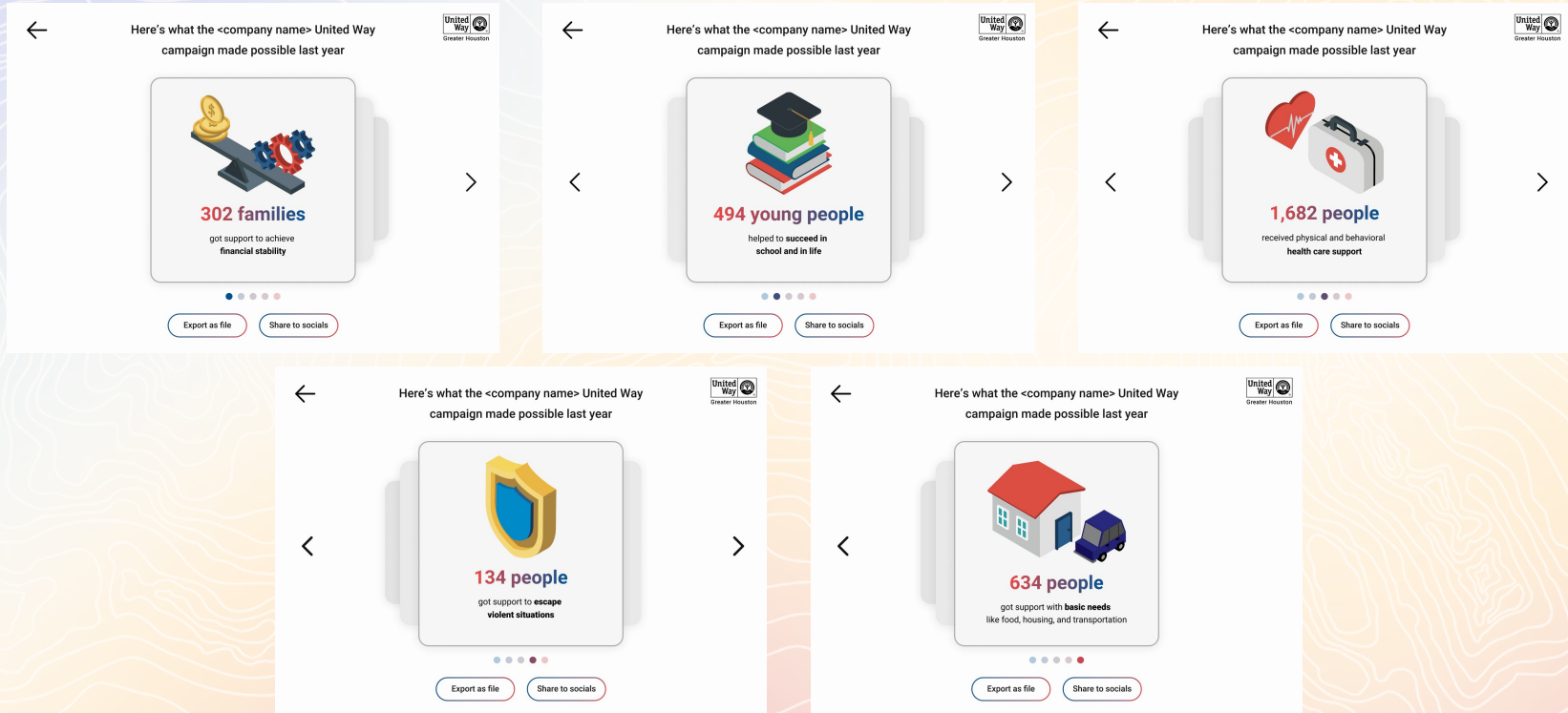
Company Individual

Enter amount

Calculate

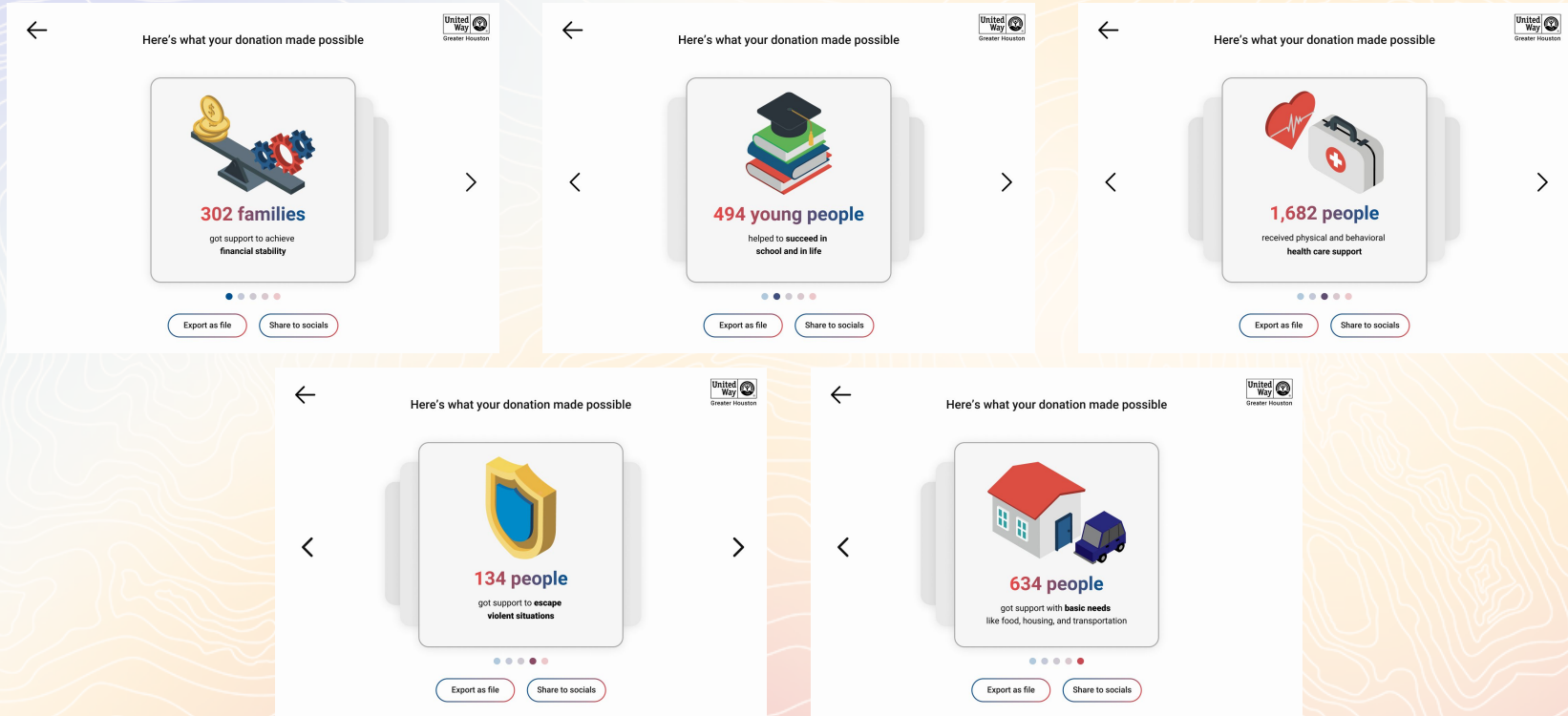
Modified Carousel Design - Companies

“Here’s what the <company name> United Way campaign made possible last year”




Modified Carousel Design - Individuals


“Here's what your donation made possible”



Admin Login Page

Employs a universal pin to edit the percentage value per section







Admin Login


PIN Number

Login







Update the data as necessary in the respective fields

 Financial Stability


Enter new value %

 School and Life


Enter new value %

 Health Care Support

Enter new value %

 Violent Situations

Enter new value %

 Basic Needs

Enter new value %

Submit

03 development

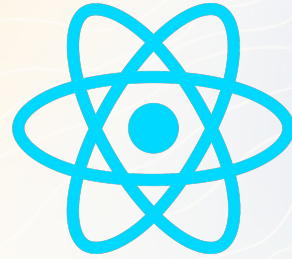
Tech Stack

Frontend

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



daisyUI



React



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

Donation Amount

Admin Sign in

PIN Number

stability	development	healthcare
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
escape	basicNeeds	totalPeople
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

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



Calculate Your Impact

Donation Amount

COMPANY

CALCULATE

Admin Log-in

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?

