

README

HelpHub

University course project: Web-based disaster relief platform. Simulates streamlined emergency response, resource allocation, and volunteer coordination. Includes mock updates, interactive maps, and mobile-friendly interface. Demonstrates practical application of web development skills in crisis management scenarios.

Development

Install Dependencies:

```
npm install
```

Initial setup:

```
npm run setup
```

Start dev server:

```
npm run dev
```

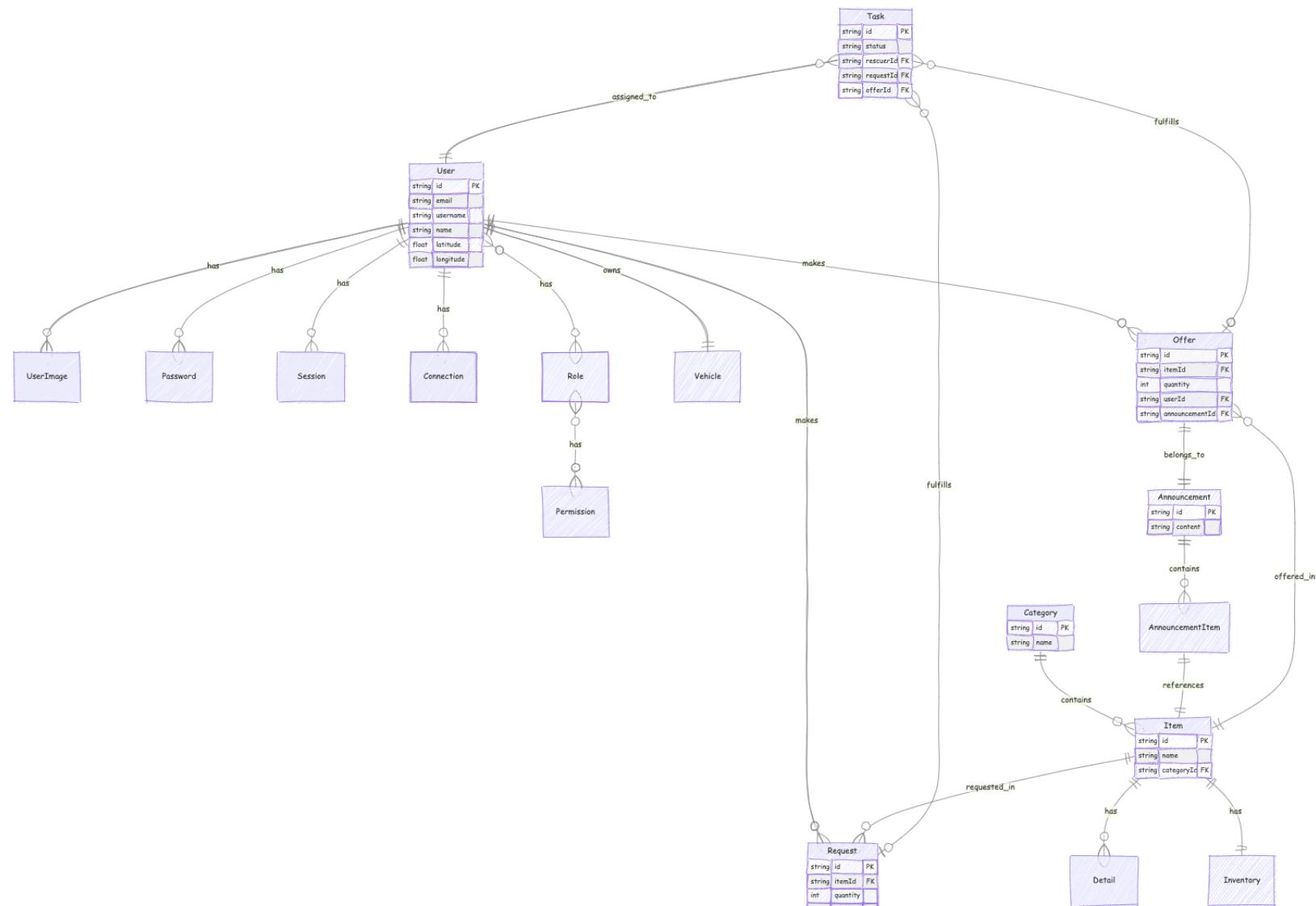
This starts your app in development mode, rebuilding assets on file changes.

The database seed script creates a new user with some data you can use to get started:

Username: kody Password: kodylovesyou

For logging with the other generated users just use their username as username and password

Database Schema



Application Route Structure

```
/ (root)
|
|   *
|   about
|   announcements
|     index
|     new
|   privacy
|   supplies
|     index
|     new-category
|       index
|     new
|   support
|   tos
|   auth
|     :provider
|       callback
|   forgot-password
|   login
|   logout
|   onboarding
|     :provider
|   reset-password
|   signup
|   verify
|   robots.txt
|   sitemap.xml
|
|   admin
|     announcements
|     maps
|     offers
|     requests
|     tasks
|     users
|     warehouse
|     cache
|       lru
|         :cacheKey
|       sqlite
|         :cacheKey
|
|   me
|
|   rescuer
|     map
|     offers
|     requests
|
|   resources
|     download-user-data
|     healthcheck
|     theme-switch
|     user-images
|       :imageId
|
|   settings
|     profile
|       change-email
|       connections
|       index
|       location
|       password
|         create
|       photo
|       two-factor
```

```
|   └── disable
|   └── index
|   └── verify
└── users
    ├── index
    └── :username
        ├── index
        ├── offers
        │   ├── index
        │   └── :offerId
        └── new
    ├── requests
    │   ├── index
    │   └── :requestId
    └── new
    ├── tasks
    │   ├── index
    │   └── :taskId
    └── :taskId/edit
    └── vehicle
        ├── index
        ├── edit
        └── new
```

Tech Stack

- Frontend
 - React and Remix: The app uses React as the primary frontend library, evident from the use of React components and hooks throughout the codebase.
 - Tailwind CSS: Used for styling the application, as seen in the tailwind.css file and the use of Tailwind classes in components.
- Backend
 - Node.js and Express: The app uses Node.js and Express as the backend framework, evident from the use of Express routes and middleware in the server.js file.
- Database
 - SQLite: Used as the database, as seen in the data.db file.
- Authentication
 - Custom authentication system using sessions and passwords, with support for roles and permissions.

App Screenshots

These are some screenshots of the app. To see more, run the app locally.

Landing

Home Supplies Announcements



HelpHub

Key Features

- Easy aid request creation for citizens
- Donation offers for surplus items
- Map view for situational awareness
- Task management for rescuers
- Announcements from the central aid base
- Inventory management at the base warehouse

Connecting Communities in Times of Crisis

Help Hub is a collaborative platform that enables efficient aid request and delivery during natural disasters. We connect citizens in need with rescuers and volunteers who can provide assistance.

[Get Started](#)[About](#)

Login

Welcome back!

Please enter your details.

Username

Password

 Remember me[Forgot password?](#)[Log in](#) [Login with GitHub](#)

New here? [Create an account](#)



Signup

Let's start your Help journey!

Please enter your email.

Email

Submit

 Signup with GitHub



OTP

Check your email

We've sent you a code to verify your email address.

Code

H T P - 4 9 5

Submit



On Boarding

Welcome aboard example@email.com!

Please enter your details.

Username

Name

Password

Confirm Password

Do you agree to our Terms of Service and Privacy Policy?

Remember me

[Create an account](#)



Set or Add Location

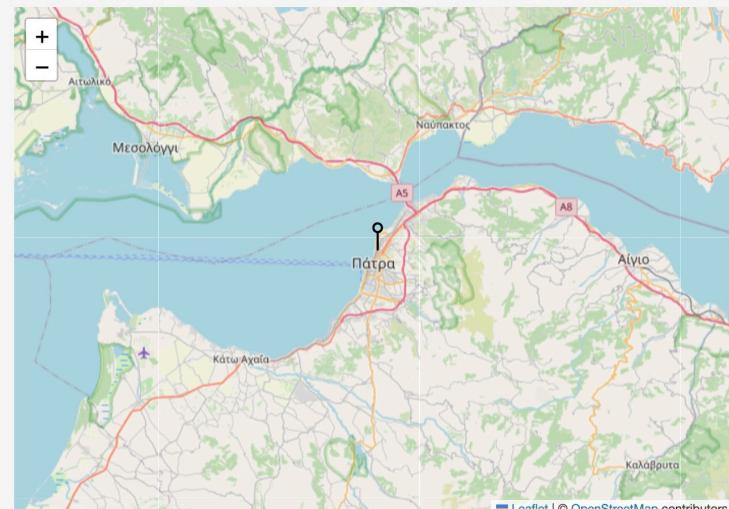
Profile ► Edit Profile ► Set location

Set location

You not have set your location.

You can set your location by clicking the use current location button if you enabled location access in your browser.

You can also set your location by clicking on the map pin that defaults to Patras center. After you set your location you can save it by clicking the save location button.



[Save Location](#)

[Use Current Location](#)





Kody

Joined 9/15/2024

 Logout

[My offers](#)

[My requests](#)

[My Tasks](#)

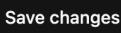
[Edit profile](#)

Profile Settings

Profile ►  Edit Profile



Username Name

 Save changes

 Change email from kody@kcd.dev

 Enable 2FA

 Change Password

 Manage connections

 Edit location

 This is your only session

 Delete all your data

Requests

Your Requests

Make a request

Monster Energy Drink

Quantity: 2

Pasta

Quantity: 4

Jacket

Quantity: 2

Request Details

Pasta**Quantity:**

4

Status:**pending****Number of People:**

1

Last updated:

about 13 hours ago

Delete 

Offers

Your Offers

Make an offer

Blanket

Quantity: 4

Solar Charger

Quantity: 2

Offer Details

Blanket**Quantity:**

4

Status:**pending****Announcement:**

Blankets and warm clothing needed for the upcoming cold front.

Last updated:

less than a minute ago

Delete 

Requests

Your Tasks

Take a task

- Energy Bars Request
- Portable Generator Request
- Pasta Request**
- Inflatable Boat Offer

Task Details

REQUEST for Pasta

Status:

completed

Last updated:

less than a minute ago

[View the user request](#)

[Edit Task](#)

[View the Map](#)

[Delete](#)

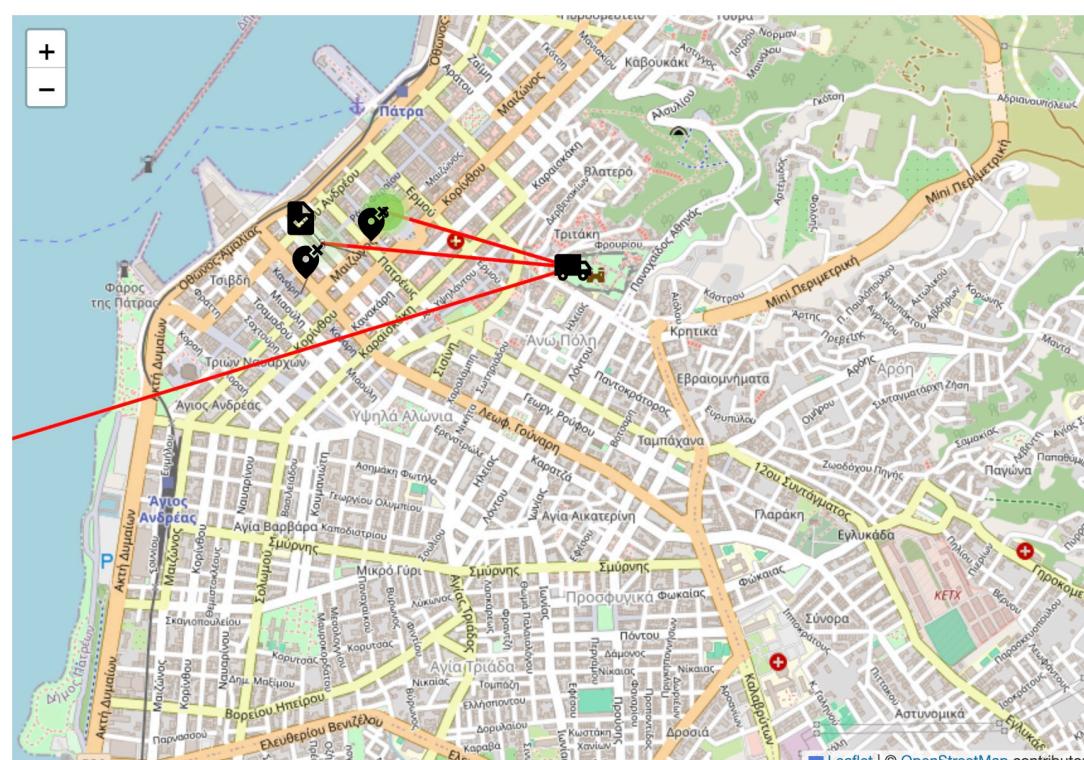


Rescuer Map

Requests Offers Map

Rescuer Map

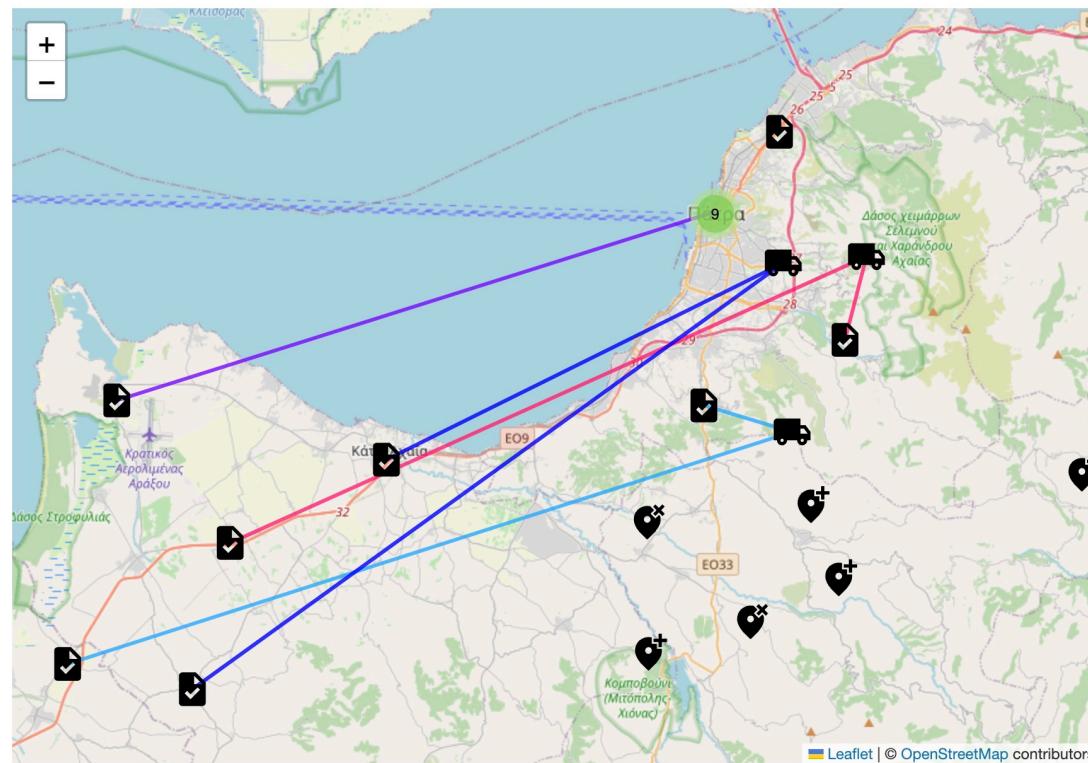
[Offers](#) [Requests](#) [Other Tasks](#) [Other Vehicles](#) [Base](#)



Dashboard Maps

Map

Offers Requests Offers Tasks Requests Tasks Vehicles Base



Dashboard

Warehouse Management

Search items...		Create Item	Create or Edit Category	
Item Name	Category	Quantity	Actions	
Bottled Water	Water & Beverages	40	Edit	Delete
Monster Energy Drink	Water & Beverages	42	Edit	Delete
Coca Cola	Water & Beverages	57	Edit	Delete
Pepsi	Water & Beverages	43	Edit	Delete
Water Purification Tablets	Water & Beverages	48	Edit	Delete
Portable Water Filter	Water & Beverages	50	Edit	Delete
Canned Beans	Food	50	Edit	Delete
Pasta	Food	51	Edit	Delete
Rice	Food	55	Edit	Delete
Canned Tuna	Food	39	Edit	Delete
Canned Corn	Food	38	Edit	Delete
Flour	Food	32	Edit	Delete
Sugar	Food	49	Edit	Delete
Energy Bars	Food	53	Edit	Delete
Blanket	Clothing & Bedding	33	Edit	Delete
Pants	Clothing & Bedding	33	Edit	Delete
Shirt	Clothing & Bedding	32	Edit	Delete
Socks	Clothing & Bedding	31	Edit	Delete
Jacket	Clothing & Bedding	55	Edit	Delete
Sleeping Bag	Clothing & Bedding	49	Edit	Delete
Flashlight	Lighting & Electrical	40	Edit	Delete
Lantern	Lighting & Electrical	42	Edit	Delete
Battery	Lighting & Electrical	36	Edit	Delete
Matches	Lighting & Electrical	55	Edit	Delete
Solar Charger	Lighting & Electrical	42	Edit	Delete
Portable Generator	Lighting & Electrical	58	Edit	Delete
Bandages	Medical Supplies	45	Edit	Delete
Face masks	Medical Supplies	50	Edit	Delete
First Aid Kit	Medical Supplies	30	Edit	Delete
Tent	Shelter & Tents	33	Edit	Delete
Tarp	Shelter & Tents	59	Edit	Delete
Soap	Hygiene & Sanitation	40	Edit	Delete
Toothbrush	Hygiene & Sanitation	48	Edit	Delete
Hand Sanitizer	Hygiene & Sanitation	43	Edit	Delete
Multi-tool	Tools & Equipment	58	Edit	Delete
Walkie-talkie	Communication Devices	57	Edit	Delete
Emergency Radio	Communication Devices	34	Edit	Delete
Baby Formula	Infant & Child Care	42	Edit	Delete
Inflatable Boat	Transportation	42	Edit	Delete
Dog Food	Pet Supplies	31	Edit	Delete

A list of all items in the warehouse.

Supplies

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Search Users



Kody 🌞

Home Supplies Announcements

Emergency Supplies

Search

+ Categories | 3 selected

New Item

Water & Beverages

Bottled Water

Stock: 40

volume: 500ml
pack size: 24

Request

Monster Energy Drink

Stock: 42

volume: 500ml

Request

Coca Cola

Stock: 57

volume: 250ml

Request

Pepsi

Stock: 43

volume: 250ml

Request

Water Purification Tablets

Stock: 48

quantity: 50 tablets
treatment capacity: 1L per tablet

Request

Portable Water Filter

Stock: 50

capacity: 1000L
filter type: activated carbon

Request

Food

Canned Beans

Stock: 50

weight: 400g
type: kidney beans

Request

Pasta

Stock: 55

weight: 500g

Request

Rice

Stock: 55

weight: 1kg

Request

Canned Tuna

Stock: 39

weight: 150g

Request

Canned Corn

Stock: 38

weight: 150g

Request

Flour

Stock: 32

weight: 1kg

Request

Sugar

Stock: 49

weight: 1kg

Request

Energy Bars

Stock: 53

weight: 50g
flavor: chocolate

Request

Clothing & Bedding

Blanket

Stock: 33

material: wool
size: twin

Request

Pants

Stock: 33

size: large
material: nylon

Request

Shirt

Stock: 32

size: large
material: cotton

Request

Socks

Stock: 31

size: large
material: cotton

Request

Jacket

Stock: 55

size: large
material: nylon

Request

Sleeping Bag

Stock: 49

temperature rating: 0°C
material: synthetic

Request

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Announcements

Announcements

Add Announcement

Urgent need for bottled water and canned food in the downtown area.

September 15, 2024 at 7:17 PM

Requested Items:

Bottled Water

7 / 50

[Offer Bottled Water](#)

Canned Beans

1 / 25

[Offer Canned Beans](#)**Blankets and warm clothing needed for the upcoming cold front.**

September 15, 2024 at 7:17 PM

Requested Items:

Blanket

2 / 10

[Offer Blanket](#)

Jacket

3 / 20

[Offer Jacket](#)**Medical supplies running low, requesting bandages and first aid kits.**

September 15, 2024 at 7:17 PM

Requested Items:

First Aid Kit

1 / 5

[Offer First Aid Kit](#)

Bandages

13 / 50

[Offer Bandages](#)**Volunteers needed to distribute supplies at the main shelter.**

September 15, 2024 at 7:17 PM

Requested Items:

Bottled Water

2 / 50

[Offer Bottled Water](#)**Generators and flashlights needed for the temporary housing units.**

September 15, 2024 at 7:17 PM

Requested Items:

Solar Charger

1 / 8

[Offer Solar Charger](#)

Flashlight

0 / 7

[Offer Flashlight](#)**Flood warning: Need inflatable boats and life jackets for potential evacuations.**

September 15, 2024 at 7:17 PM

Requested Items:

Inflatable Boat

1 / 10

[Offer Inflatable Boat](#)

Jacket

0 / 5

[Offer Jacket](#)**Extended power outage expected. Requesting portable generators and emergency radios.**

September 15, 2024 at 7:17 PM

Requested Items:

Portable Generator

Offer Portable Generator

Emergency Radio

Offer Emergency Radio

Pet supplies running low at animal shelter. Need dog and cat food urgently.

September 15, 2024 at 7:17 PM

Requested Items:

Dog Food

Offer Dog Food

Water contamination reported. Seeking bottled water and portable water filters.

September 15, 2024 at 7:17 PM

Requested Items:

Bottled Water

Offer Bottled Water

Portable Water Filter

Offer Portable Water Filter

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Search Users

help
hub



Help Hub Users

Search Users



Imani Bergna... wg_imani_bergna...	Antoinette M... yq_antoinette_m...	Fletcher Rohan dx_fletcher_rohan	Bernadette Q... cz_bernadette_...	Onie Kuvalis d8_onie_kuvalis	Estella Kling vb_estella_kling	Jody McLaug... yb_jody_mclaug...
Marcelo Effertz 6o_marcelo_eff...	Werner Padb... op_werner_padb...	Viva Macejko... uu_viva_macejk...	Wilfred Green... el_wilfred_green...	Zachary Auer z8_zachary_aue...	Tiffany King v9_tiffany_king	Whitney Rein... up_whitney_rein...
Riley Ullrich p3_riley_ullrich	Gardner Wun... xd_gardner_wun...	Chauncey Sw... 3k_chauncey_s...	Horace Tillman ip_horace_tillma...	Lauren Becht... vi_lauren_becht...	Kody kody	hello hellosas hello
doe joe						

help
hub



Thanks

Run the app locally to see more! You rock 🗿