Coding It Forward Demo Day

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What does the Digital Service at CMS do?

We work to transform the U.S. healthcare system by:

Improving the design of healthcare experiences

Delivering value to the government, healthcare providers, and patients

Modernizing systems

Participating in policy development

How we work

We achieve goals through hiring great talent. We deploy **small, responsive** groups of designers, engineers, and product managers to CMS for a "tour of duty" to work alongside **dedicated civil servants** to solve some of the largest, most complex problems facing our healthcare system.

These **multidisciplinary teams** bring best practices and new approaches to support government **modernization** efforts.

What is Open Source Software?

Source code that anyone can **inspect**, **modify**, **enhance**, and **share.**
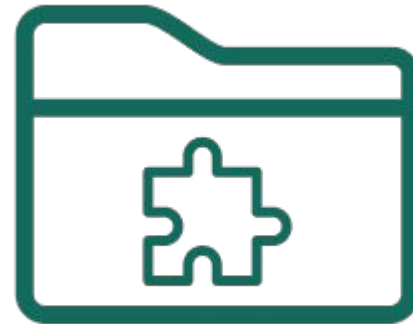
Why Open Source at CMS?

480

Medicare accountable care
organizations (ACOs)

56

state/territory Medicaid
systems

$44.1B

spent by states on Medicaid
systems

What did we work on?

1

Metrics & Inventory

Of CMS's existing open-source projects

2

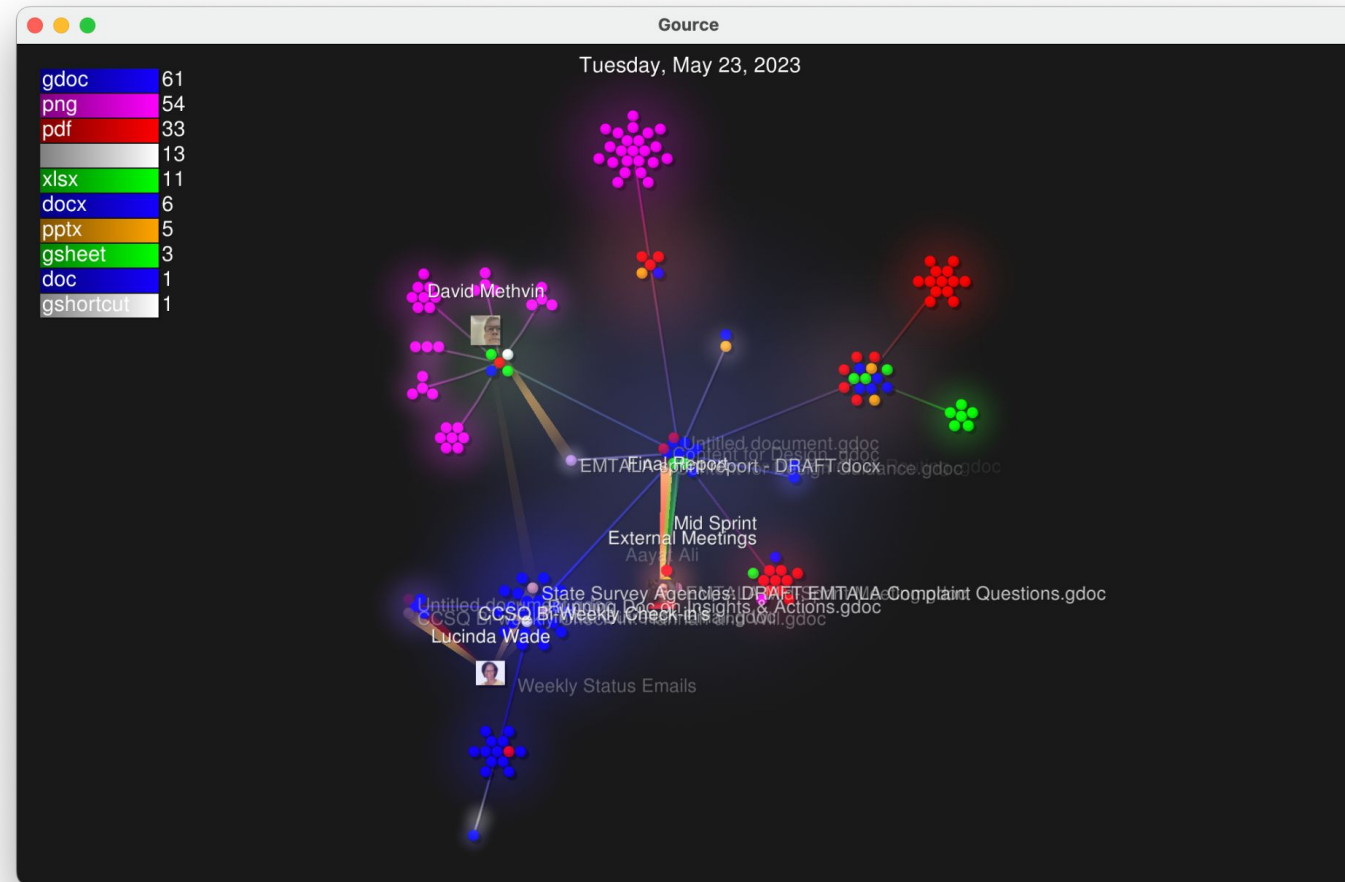## Supporting Release

Of new open-source projects throughout CMS

3

Miscellaneous Projects

…open sourcing the results where we can!

Projects

Google Drive Visualization

Don't Dismiss The Front Door

MCT/MCT-IG Open Source Release

coming soon
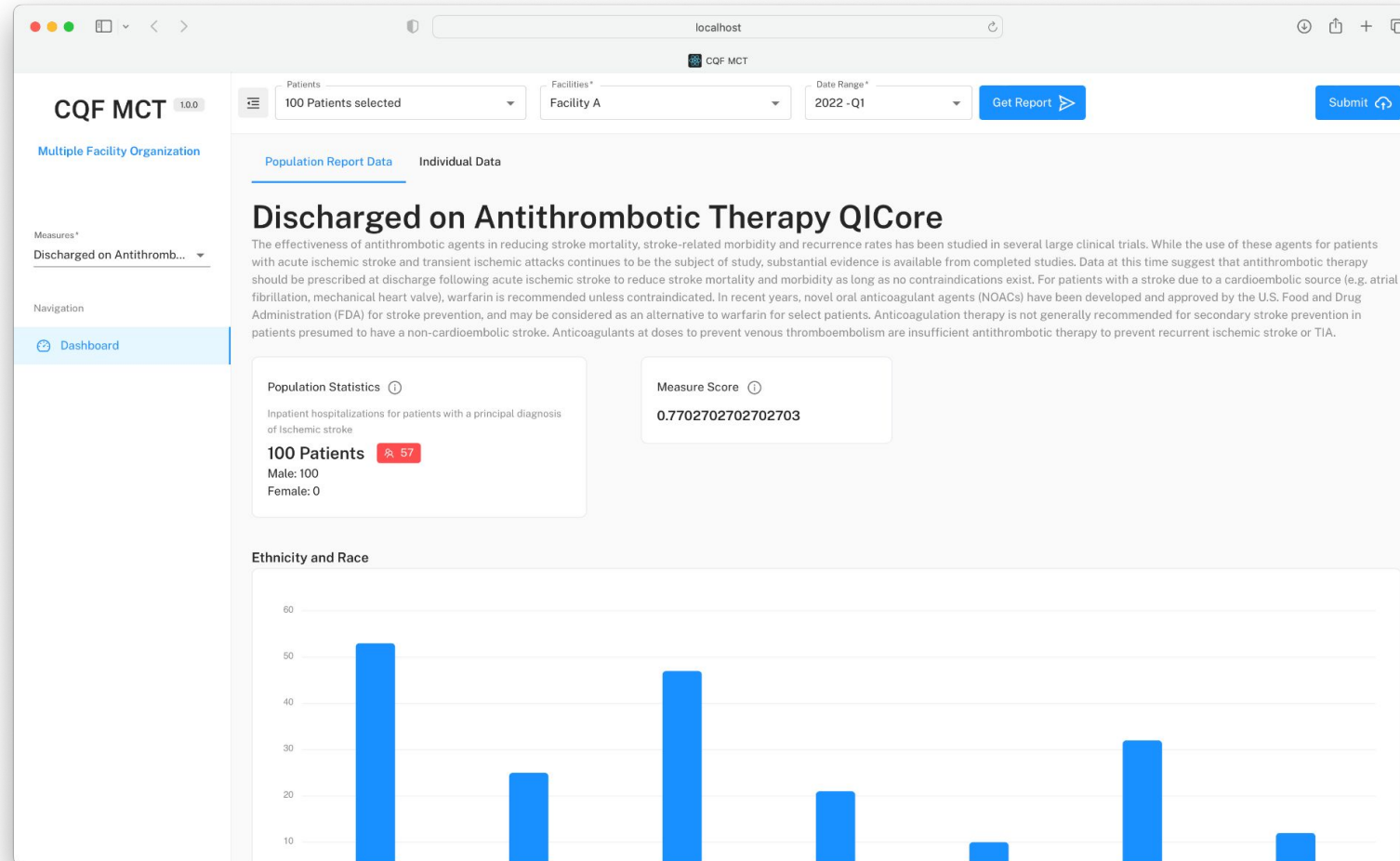
Leave Some Problems Alone

Open Source Projects Landing Page

https://dsacms.github.io/open/projects
DSACMS/open
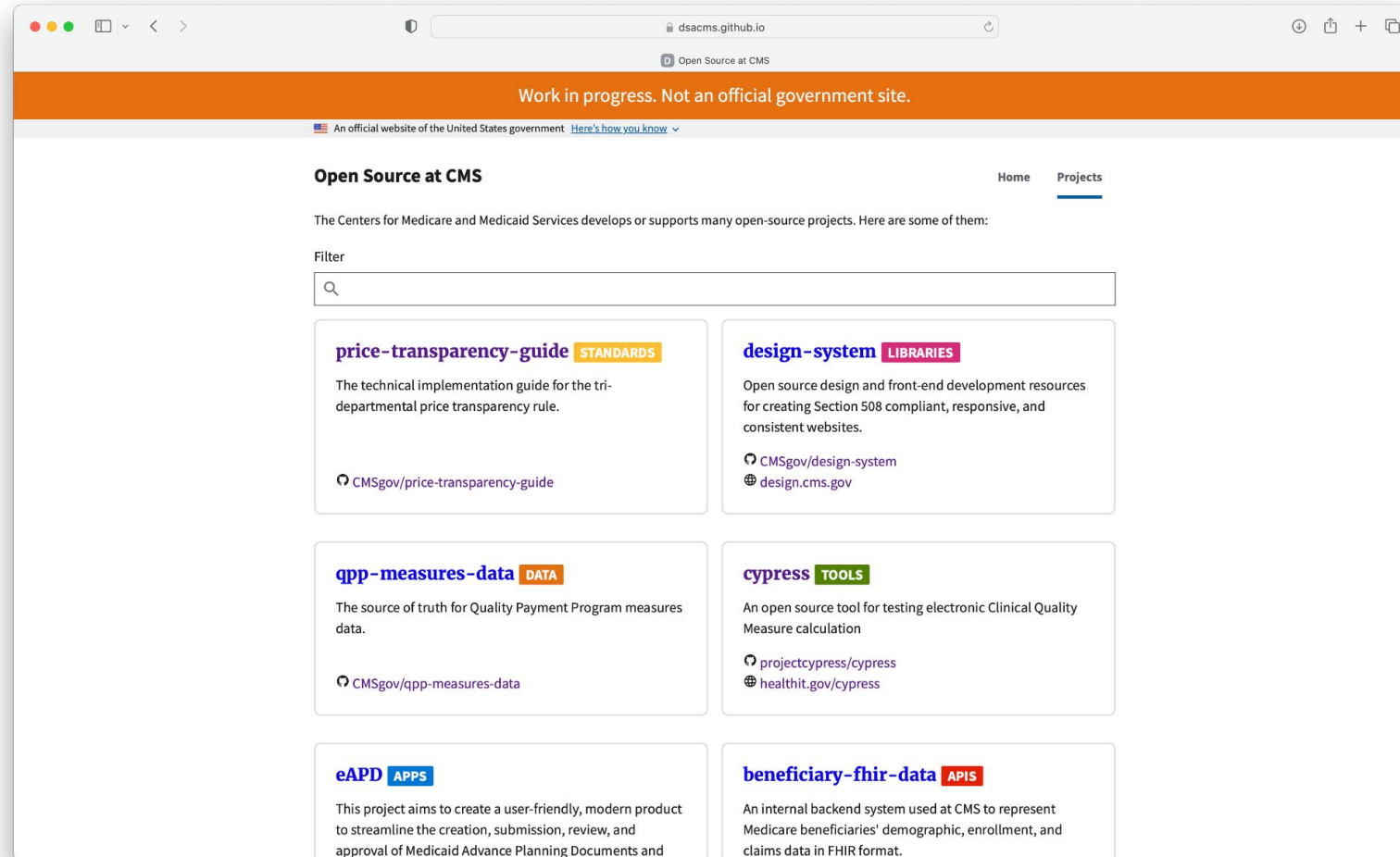
Don't Build Things You Can't Maintain

Metrics

Purpose

Develop a metrics web page that automatically pulls github repo data each week to produce numerical and visual statistics to aid developers and PMs in monitoring project health.
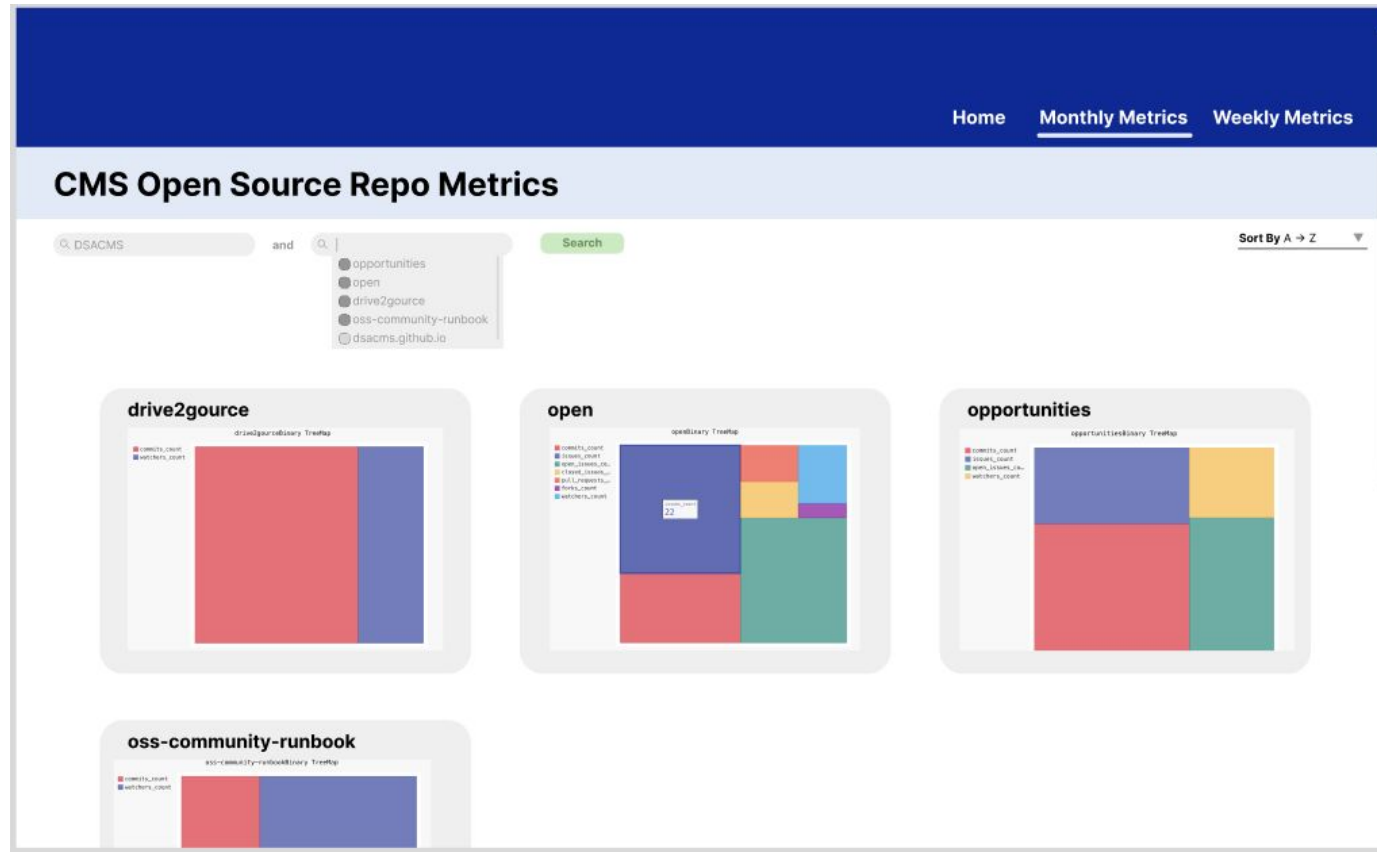
Figma Design: Home Page
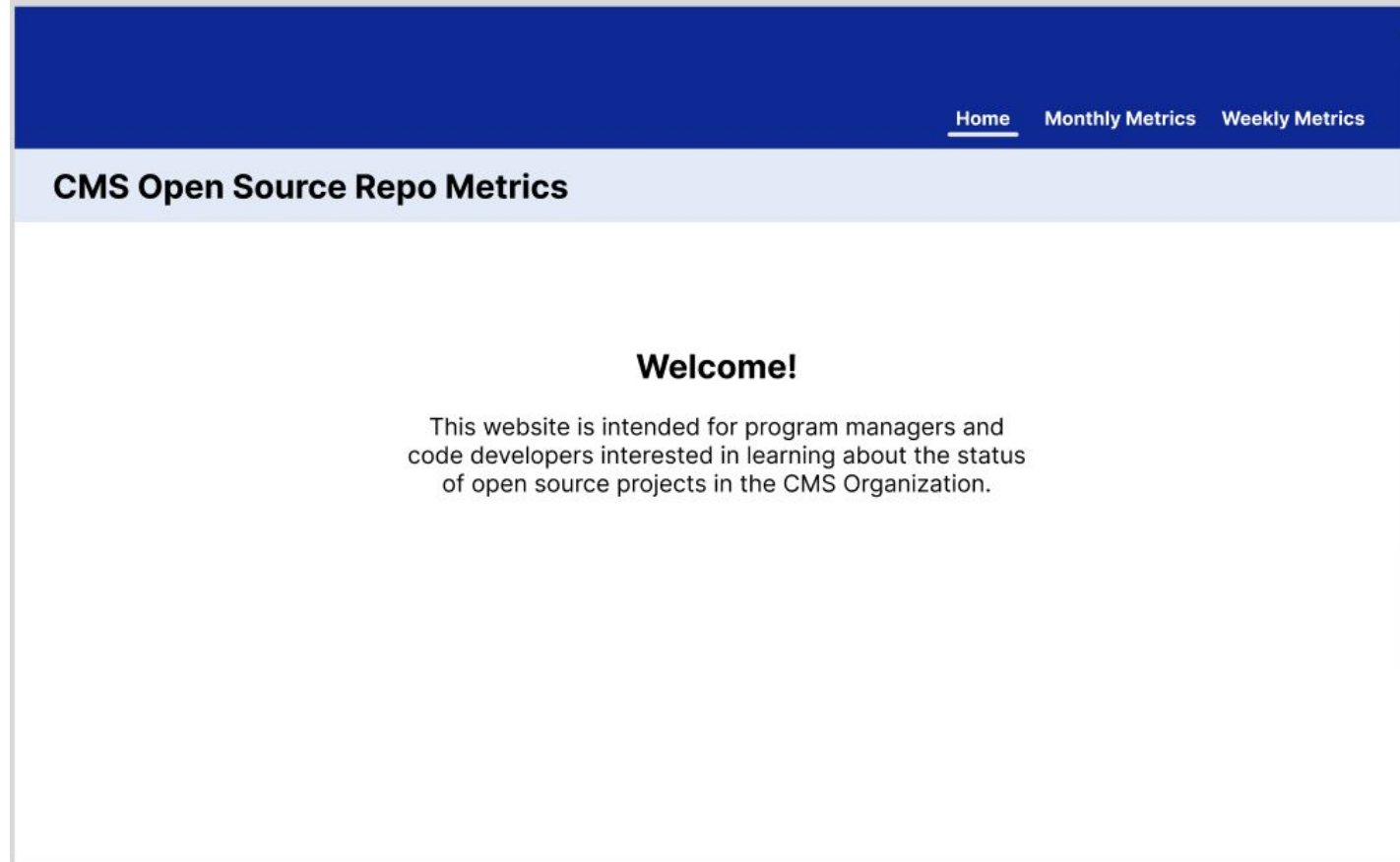
Figma Design: Org. Overview
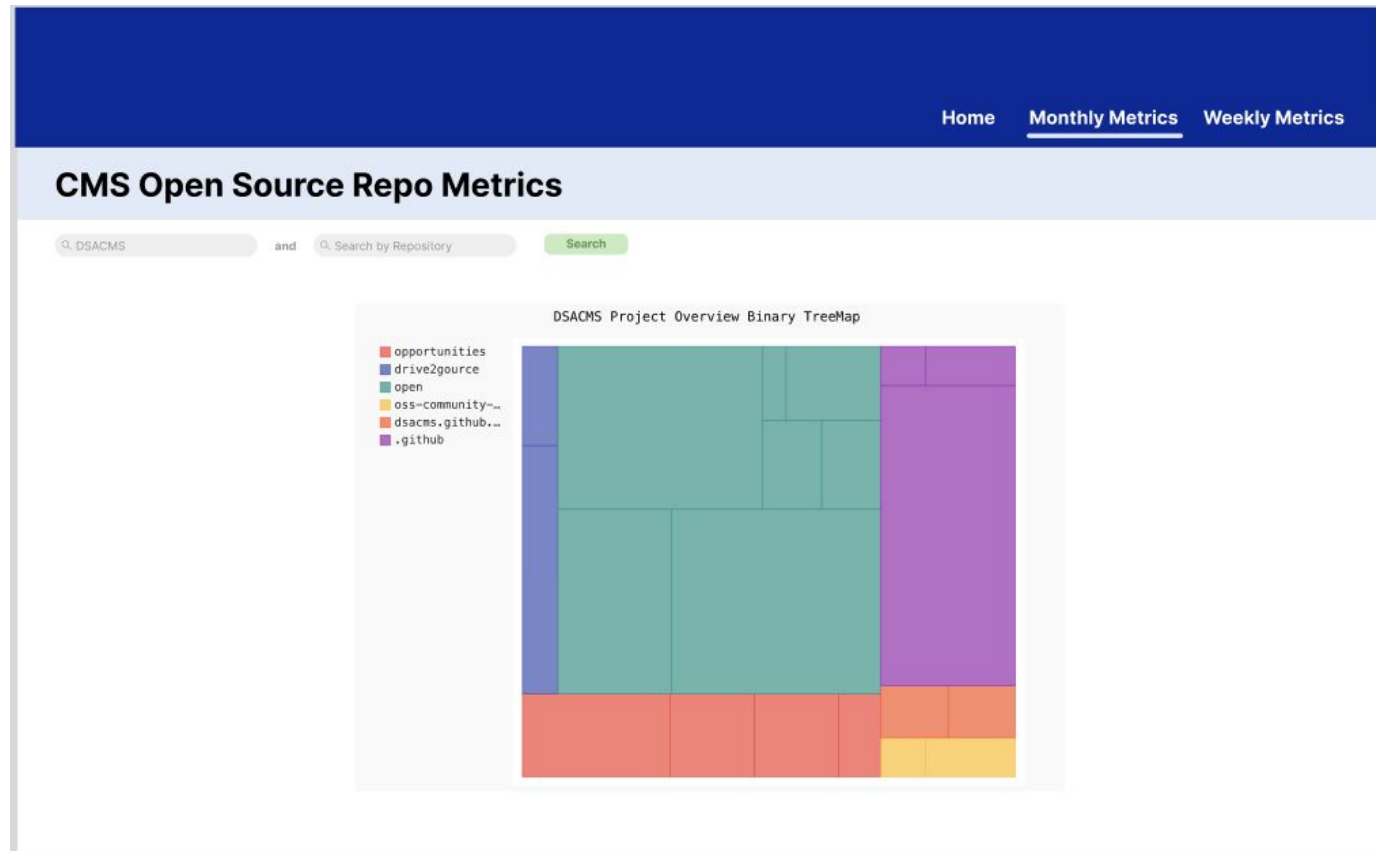
Figma Design: Specific Repos

Data Workflow Diagram
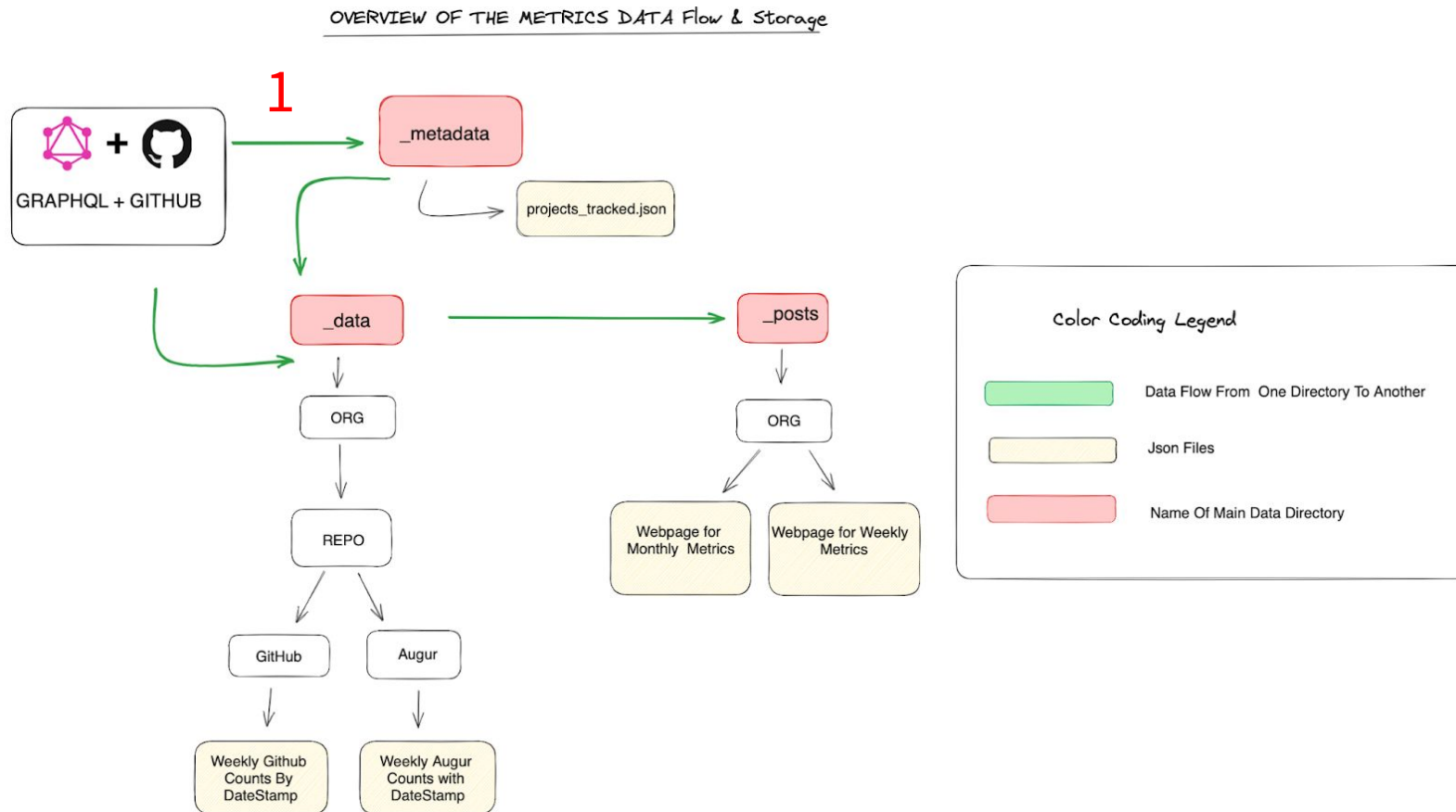
Data Workflow Diagram

OVERVIEW OF THE METRICS DATA Flow & Storage

Data Workflow Diagram

OVERVIEW OF THE METRICS DATA Flow & Storage

GRAPHQL + GITHUB

_metadata

projects_tracked.json

3

_data

_posts

ORG

ORG

REPO

Webpage for Monthly Metrics

Webpage for Weekly Metrics

GitHub

Augur

Weekly Github Counts By DateStamp

Weekly Augur Counts with DateStamp

Color Coding Legend

Data Flow From One Directory To Another

Json Files

Name Of Main Data Directory
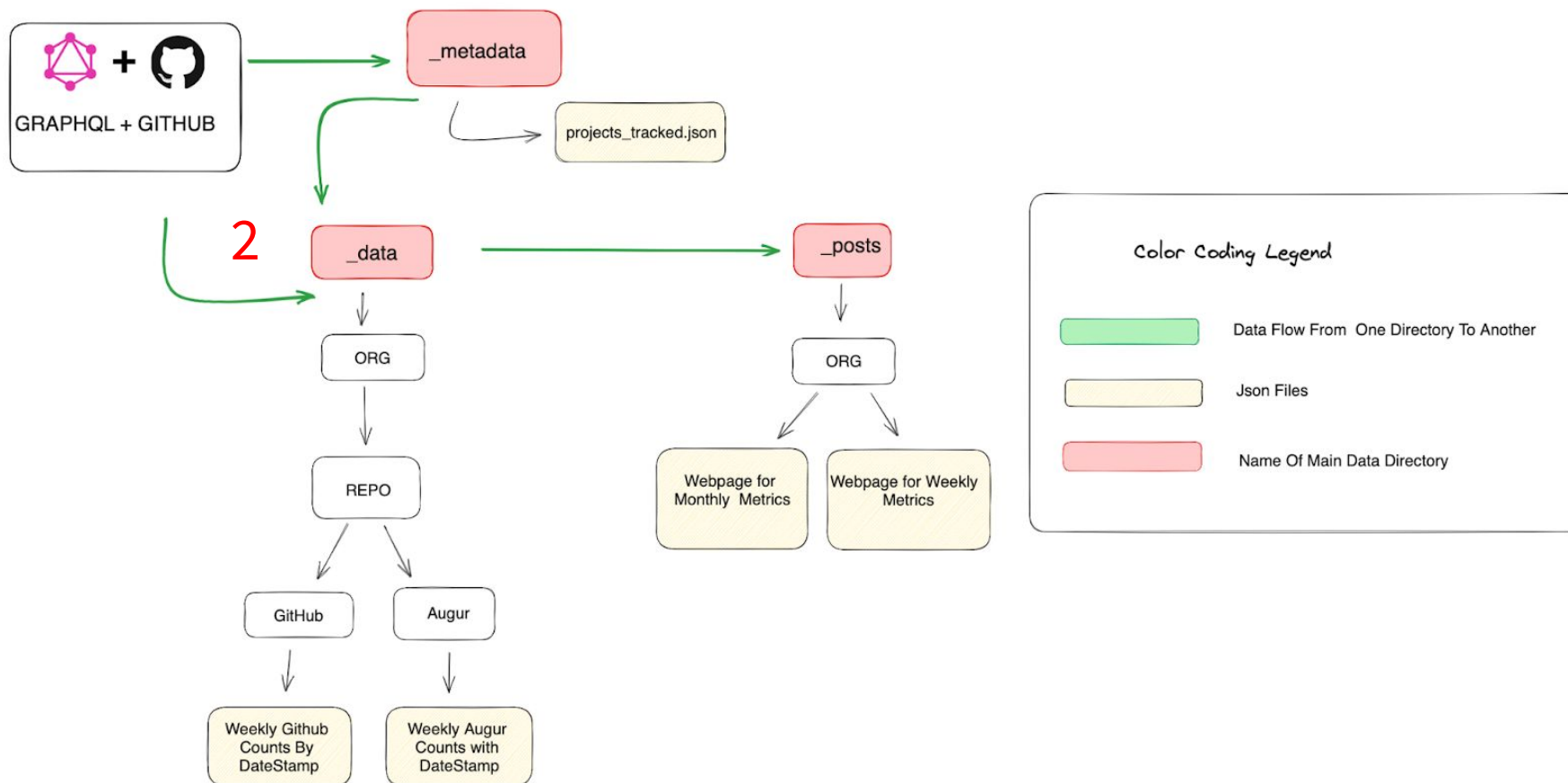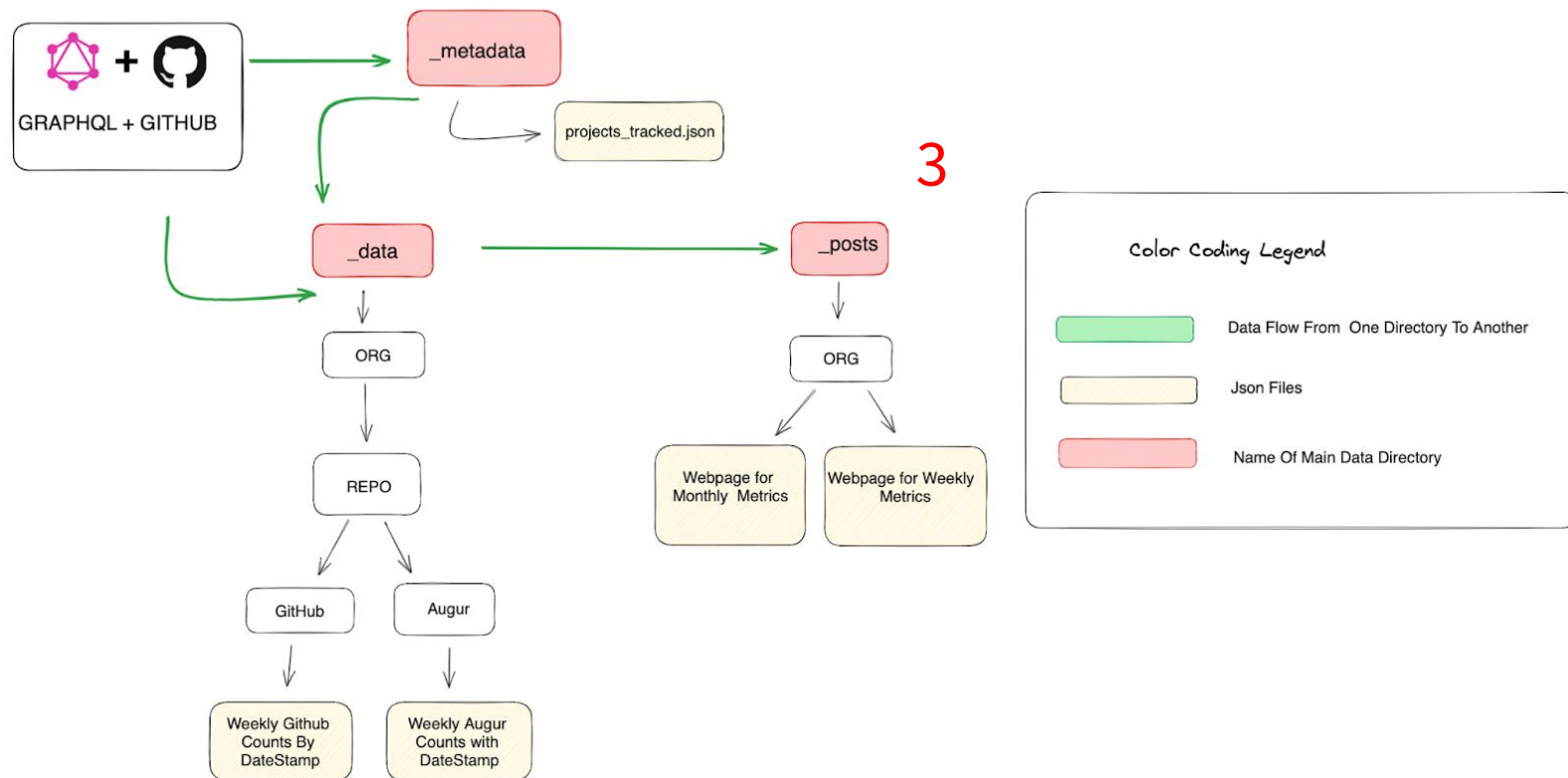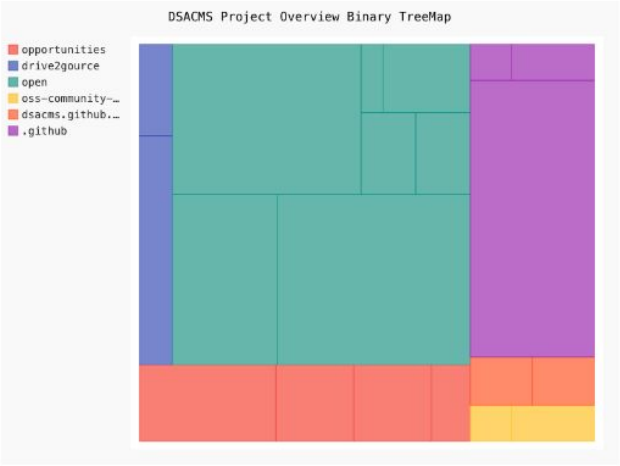
monthly

Design, design, & design…

It's *crucial* for software development.

HHS Opportunities

Purpose

Develop a job opportunities page for students interested in data science roles at Human Health Services.

Bringing…

To..

HHS Data Science Opportunities Page

It takes a team

Thank You DSAC!

Thanks!

- DSAC team
- Logan McDonald
- Alberto Colon
- Ari Hershowitz
- Hayley Barton
- Alec Blase
- Edna Riddick
- Rachel Dodell
- Ariana Soto
- Yuyang Zhong