

community data portal aka “p.a.n.d.a.”

bootcamp design project /
hackathon project /
code for america brigade project /
austin community project

contributors / feedback buds

@wilsaj

@avickers

@robert.sosinski

@kevinwheeler

@monty

@mel

@jorge-longoria

@kaytho

@mateo

@benguhin

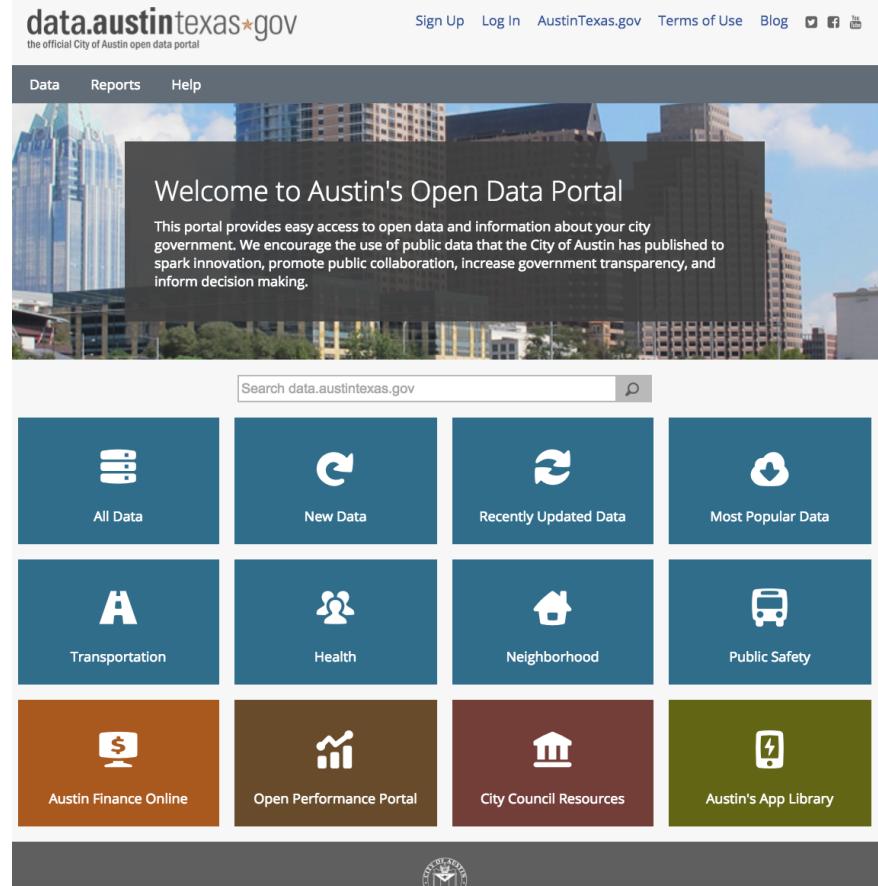
@djake

@victoria_odell

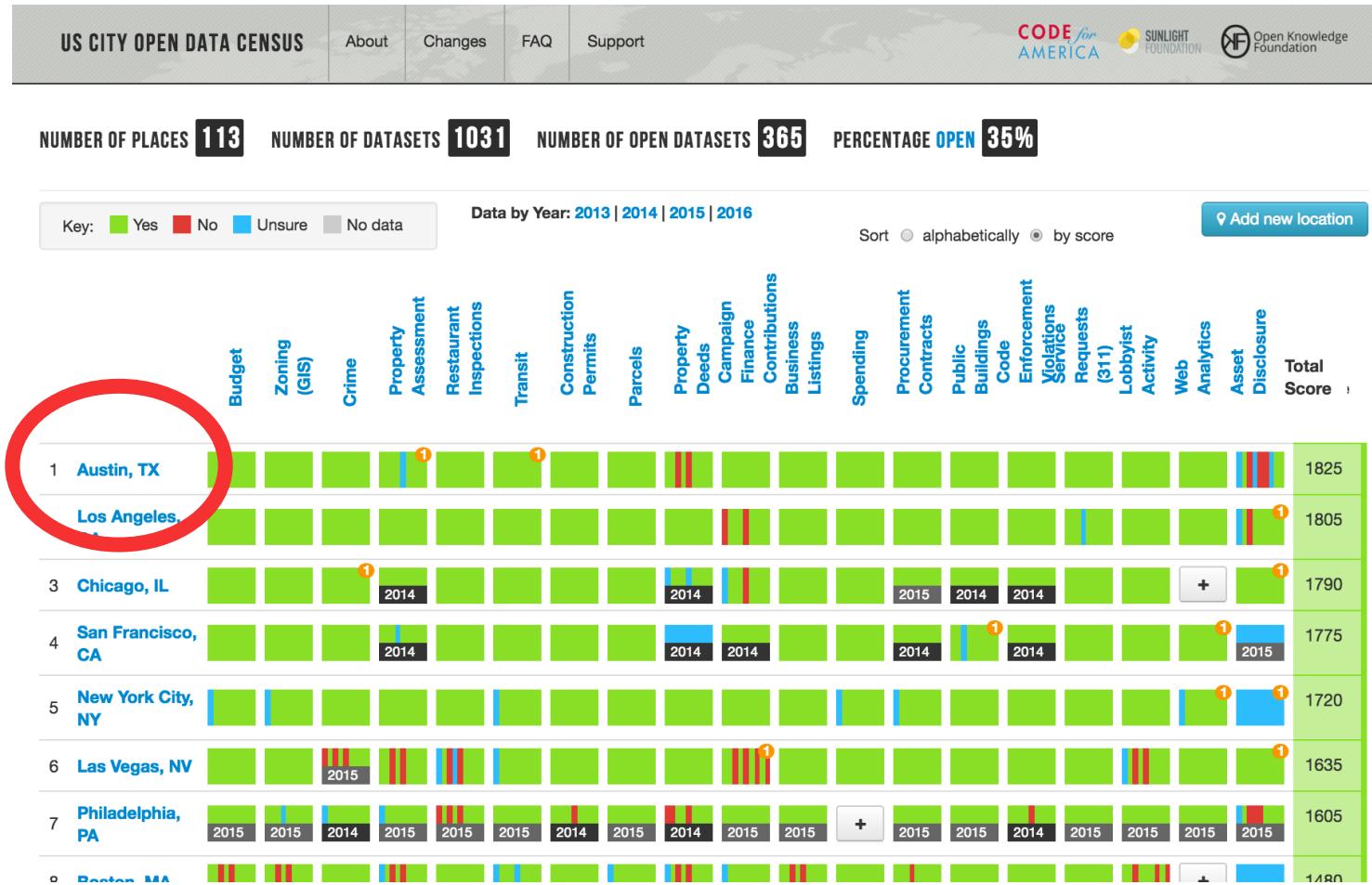
the Iron Yard
classmates

clearhead design
team

the City of
Austin has a
data portal



annnnnd it's crushin it



we have a data portal

The screenshot shows the JKAN data portal homepage. At the top, there is a navigation bar with links for 'JKAN', 'Datasets', and 'Organizations'. On the right side of the nav bar, there is a dropdown menu for 'amaliebarras'. Below the nav bar, a large grey header area contains the text 'Welcome to JKAN' in bold black font, followed by a subtitle 'A lightweight, backend-free open data portal, powered by Jekyll.' and a blue 'Start browsing' button. Underneath this, the text 'Browse by Category' is displayed, followed by five category cards with icons and labels: 'Arts / Culture / History' (mask and paint palette icon), 'Budget / Finance' (coins icon), 'Economy' (graph icon), 'Education' (graduation cap icon), and 'Elections / Politics' (voting booth icon).

enable **non-city** employee Austinites to learn about, discover, and post links to open data

<http://open-austin.org/data-portal>

why redesign?

this template is confusing and unwelcoming and leads to dead ends. if we want to get more people engaged with our portal we'll have to

- 1) demonstrate the value of open data
- 2) reduce the dead ends

so how do we do that?

- help new users to figure out what's going on, what you can do with open data
- add resources page to help users figure out where to host data, start projects, or plug in to community
- create feedback loop associated with dataset so it can be improved

design time!

user stories

As a newbie, I can arrive at the homepage, read about what's going on, see some examples, and feel like I know how to get started.

As a visitor, I can go straight to the portal page to accomplish my task.

As a visitor, I can browse datasets by category and contributor.

As a visitor, I can view projects which correspond to a dataset.

As a visitor, I can figure out how to become a contributor.

As a visitor I can view a resource page to learn how to structure & store data, what tools to use to work with it, & how to get a project off the ground.

As a visitor, I can mark that I've used a dataset.

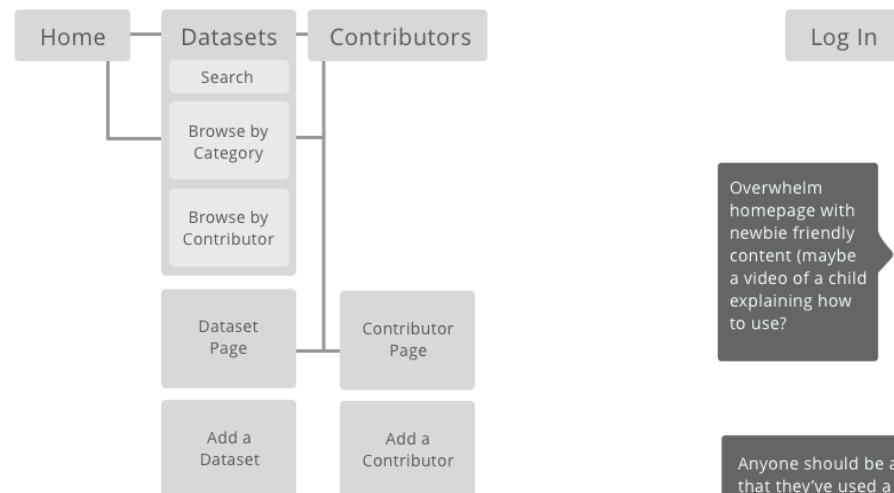
As a visitor, I can leave an evaluation for a dataset.

As a contributor, I can post a dataset.

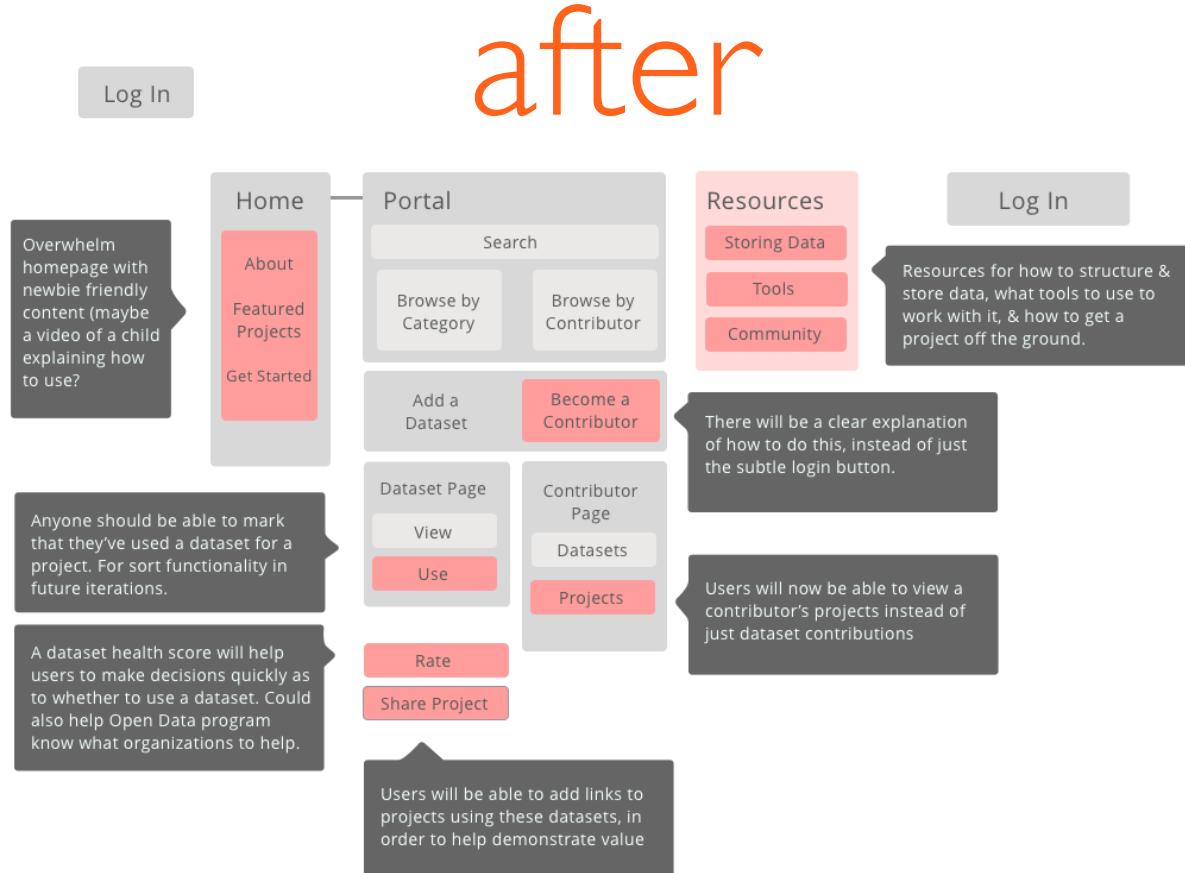
As a contributor, I can link to a project I made using a dataset.

sitemaps

before



after



sketches



used Open Austin website analytics to determine screen size needs

wireframes

The wireframes illustrate the design evolution of a data portal. It starts with a mobile "Welcome" screen, followed by a "Portal Page" with a navigation bar and search/filter options. The "Dataset Page" shows a dataset card with a preview, filters, and a "Find Us Online" section. The "Add a Dataset" form includes fields for basic info, data files, license, category, and project contact. The "Contributor Page" features a contributor profile, datasets, and a "Find Us Online" section. The "Resources" page provides a guide for contributors. Large-screen versions of these pages are shown, including "Welcome Large", "Datasets Large", "Dataset Page Large", "Add Dataset Page Large", "Contributor Page Large", and "Resource Large". Each large-screen version includes sections for "Example Projects", "Ready to get started?", and "Q & A" with common questions and answers.

Mobile screens:

- Welcome
- Portal Page
- Dataset Page
- Add a Dataset
- Contributor Page
- Resources

Large screens (Welcome, Datasets, Dataset Detail, Add Dataset, Contributor, Resources):

- Welcome Large
- Datasets Large
- Dataset Page Large
- Add Dataset Page Large
- Contributor Page Large
- Resource Large

designed mobile first,
scaled up from there

wireframes



added rating system to indicate beginner-friendliness of data.
added calls to action at end of rating flow
added contact links to the contributor page

wireframes



added straightforward explanation to homepage

used cardsorting data to pare down number of categories

included project examples to demonstrate value of datasets

style tiles

Objectives:

1. Maintain consistency with Open Austin brand
2. Neutral enough to not overpower images
3. Colors that evoke trustworthy, yet inclusive

I pulled almost all style elements from the existing Open Austin site for this one. Since it lives on our site, I figured it makes sense to be consistent.

Took the orange out of this one for a more streamlined look. Used the blue from one of the buttons - looks like Code for America blue. It complements the OA orange instead of camouflaging in.

| STYLE TILE #1

Data Portal
RESOURCES

COLORS: Orange, Light Blue, Dark Blue, Grey, Black

TEXTURES: Logo (star), Buttons (+ add), Lines (red), Icon (document)

Scoring colors: Green, Yellow

Wireshark markdown SQL, jQuery css javascript, API yaml css c# python html dom page sql bootstrap page speed javascript TCP ember. Sketch javascript ember bootstrap puppet hosting tablet bootstrap dom.

| STYLE TILE #2

DATA PORTAL
RESOURCES

COLORS: Light Blue, Dark Blue, Grey, Black

TEXTURES: Logo (star), Buttons (+ add), Lines (blue), Icon (document)

Scoring colors: Green, Yellow

Wireshark markdown SQL, jQuery css javascript, API yaml css c# python html dom page sql bootstrap page speed javascript TCP ember. Sketch javascript ember bootstrap puppet hosting tablet bootstrap dom.

| STYLE TILE #3

Data Portal
Resources

COLORS: Dark Blue, Light Grey, Light Blue, Black, Magenta

TEXTURES: Logo (star), Buttons (+ add), Lines (blue), Icon (document)

Scoring colors: Green, Yellow

Wireshark markdown SQL, jQuery css javascript, API yaml css c# python **html** dom page sql bootstrap page speed javascript TCP ember. Sketch javascript ember bootstrap puppet hosting tablet bootstrap dom.

The all blue felt a bit cold, so I added a warm pink accent color. This would only be used for call to action buttons, warmer colors have proven to be more effective for clickthrough. Also to me, pink represents inclusion.

| STYLE TILE #4

Data Portal
RESOURCES

COLORS: Black, Dark Blue, Light Grey, Magenta

TEXTURES: Logo (star), Buttons (+ add), Lines (blue), Icon (document)

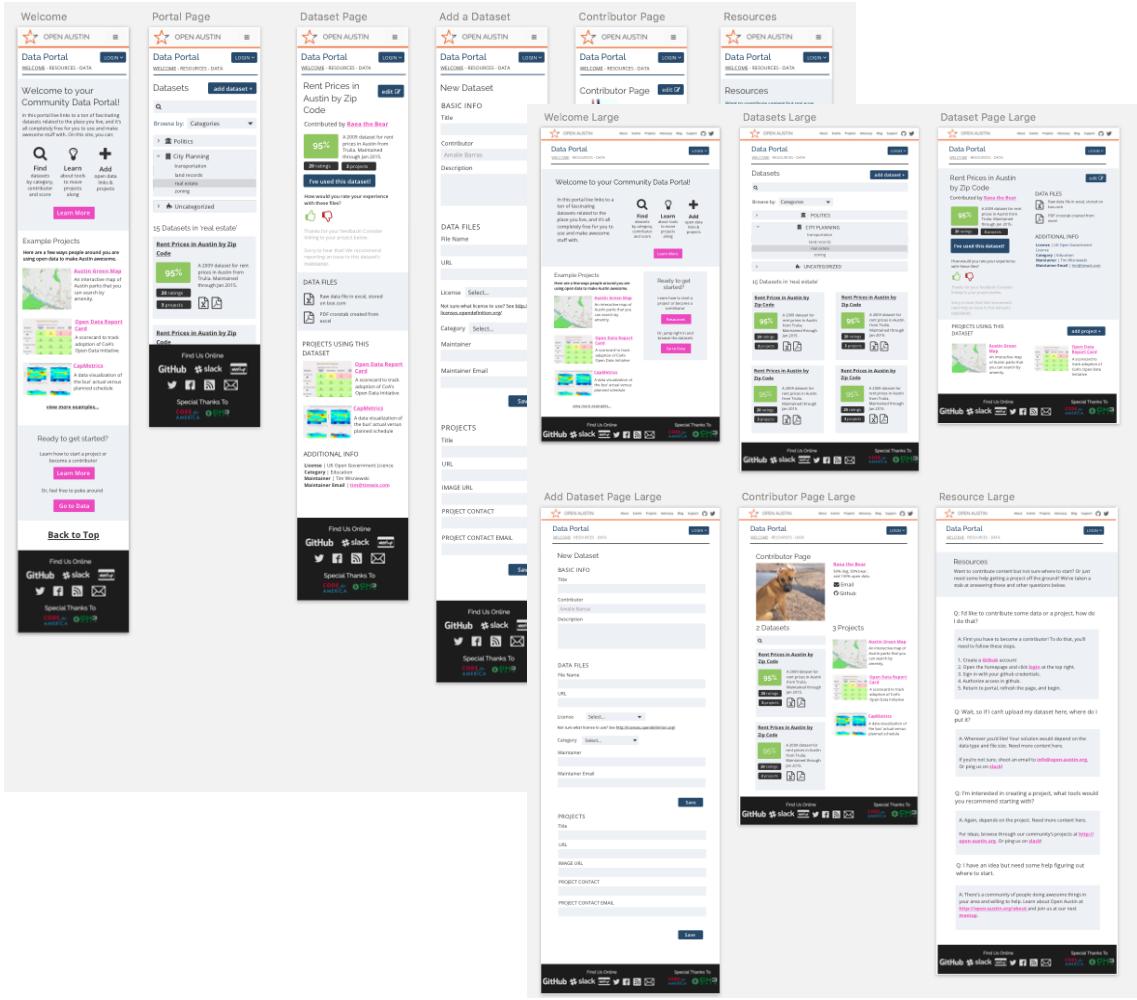
Scoring colors: Green, Yellow

Wireshark markdown SQL, jQuery css javascript, API yaml css c# python html dom page sql bootstrap page speed javascript TCP ember. Sketch javascript ember bootstrap puppet hosting tablet. Swift sql bootstrap dom.

This one is similar to above, but removes the CFA blue and adds a second neutral color which would be used to create hierarchy between the OA nav and the portal nav. The type and text color stay consistent from OA style.

got feedback
from Iron Yard
classmates,
Open Austin
collaborators
(end users), &
pro designers at
Clearhead

mockups



would have loved to spend more time on graphics, came out a lil bootstrappy, but 2 week timelines are hard.

used warm colors on call-to-actions to improve clickthrough

used blues and greys to evoke trustworthiness and government feels

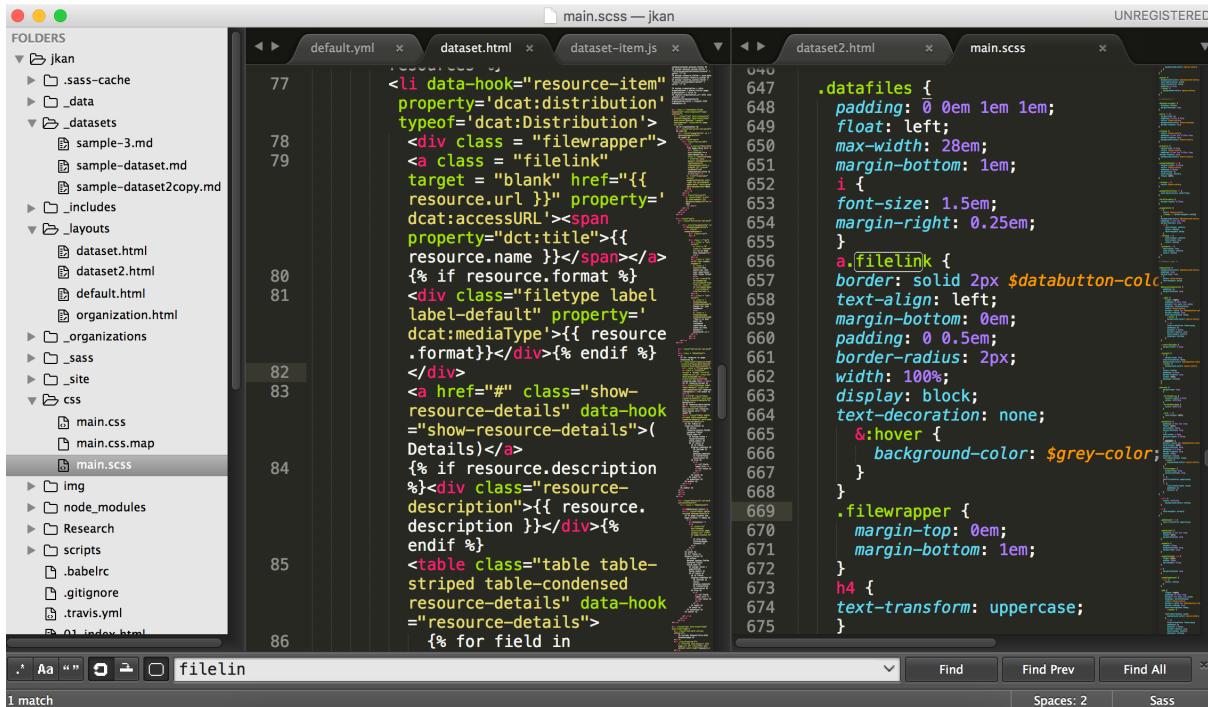
coding

```
main.scss — jkan
FOLDERS
  ▶ jkan
    ▶ .sass-cache
    ▶ _data
    ▶ _datasets
      □ sample-3.md
      □ sample-dataset.md
      □ sample-dataset2copy.md
    ▶ _includes
    ▶ _layouts
      □ dataset.html
      □ dataset2.html
      □ default.html
      □ organization.html
    ▶ _organizations
    ▶ _sass
    ▶ _site
    ▶ css
      □ main.css
      □ main.css.map
      □ main.scss
    ▶ img
    ▶ node_modules
    ▶ Research
    ▶ scripts
      □ .babelrc
      □ .gitignore
      □ .travis.yml
    □ 01-index.html
  . * Aa " " ⌂ filein
  1 match
  main.scss — jkan
  default.yml x dataset.html x dataset-item.js x dataset2.html x main.scss x UNREGISTERED
  77  <li data-hook="resource-item" 040 .
  78   property='dcat:distribution' 647 .datafiles {
  79   typeof='dcat:Distribution'> 648   padding: 0 0em 1em 1em;
  80   <div class = "filewrapper"> 649   float: left;
  81   <a class = "filelink" 650   max-width: 28em;
  82   target = "blank" href="{{ 651   margin-bottom: 1em;
  83   resource.url }}" property=' 652   i {
  84   dcat:accessURL'><span 653   font-size: 1.5em;
  85   property="dct:title">{{ 654   margin-right: 0.25em;
  86   resource.name }}></span></a> 655   }
  87   {% if resource.format %} 656   a.filelink {
  88   <div class="filetype_label 657   border: solid 2px $databutton-col
  89   label-default" property=' 658   text-align: left;
  90   dcat:mediaType'>{{ resource 659   margin-bottom: 0em;
  91   .format}}</div>{% endif %} 660   padding: 0 0.5em;
  92   </div> 661   border-radius: 2px;
  93   <a href="#" class="show- 662   width: 100%;
  94   resource-details" data-hook 663   display: block;
  95   ="show-resource-details">( 664   text-decoration: none;
  96   Details)</a> 665   &:hover {
  97   {% if resource.description 666   background-color: $grey-color;
  98   %}<div class="resource- 667   }
  99   description">{{ resource 668   .
  100  .description }}</div>{% 669   .filewrapper {
  101  endif %} 670   margin-top: 0em;
  102  <table class="table table- 671   margin-bottom: 1em;
  103  striped table-condensed 672   }
  104  resource-details" data-hook 673   h4 {
  105  ="resource-details"> 674   text-transform: uppercase;
  106  {% for field in 675   }
```

coded prototype
using jekyll-based
template

used HTML/CSS,
Sass, jQuery, a
little bootstrap,
and some vanilla
JS

coding



A screenshot of a code editor window titled "main.scss — jkan". The window contains five tabs: "default.yml", "dataset.html", "dataset-item.js", "dataset2.html", and "main.scss". The "main.scss" tab is active and displays SCSS code. The code includes HTML-like structures with data-hook attributes and SCSS variables like \$databutton-color. Some code segments are highlighted in yellow, likely indicating a search or selection. The left sidebar shows a project structure with folders like ".sass-cache", ".data", ".datasets", ".includes", ".layouts", ".organizations", ".sass", ".site", and ".css" containing files such as "main.css", "main.css.map", and "main.scss".

key word =
prototype

the interactions
needed to work but
the functionality
could wait till after
bootcamp

<http://g.recordit.co/lqejoNSpxR.gif>

let's make it work

The screenshot shows a GitHub repository page for 'data-portal-new'. The top navigation bar includes links for Code, Issues (17), Pull requests (0), Wiki, Pulse, Graphs, and Settings. The Issues tab is selected. A search bar at the top right contains the query 'milestone:ATXHack4Change'. Below the search bar are buttons for Labels and Milestones, and a green 'New issue' button. A link to 'Clear current search query, filters, and sorts' is also present. The main area displays a list of 17 issues:

- #11: adding asset pack runner (enhancement) - 2 comments
- #10: adding sass --watch to rake run (enhancement) - 0 comments
- #9: adding rake run task to get started faster (enhancement) - 0 comments
- #8: Resources page content - 0 comments
- #4: Take out dummy data & test the jekyll loops - 0 comments

At the bottom of the list, there is a note: "ProTip! Find everything you created by searching [author:amaliebarras](#)".

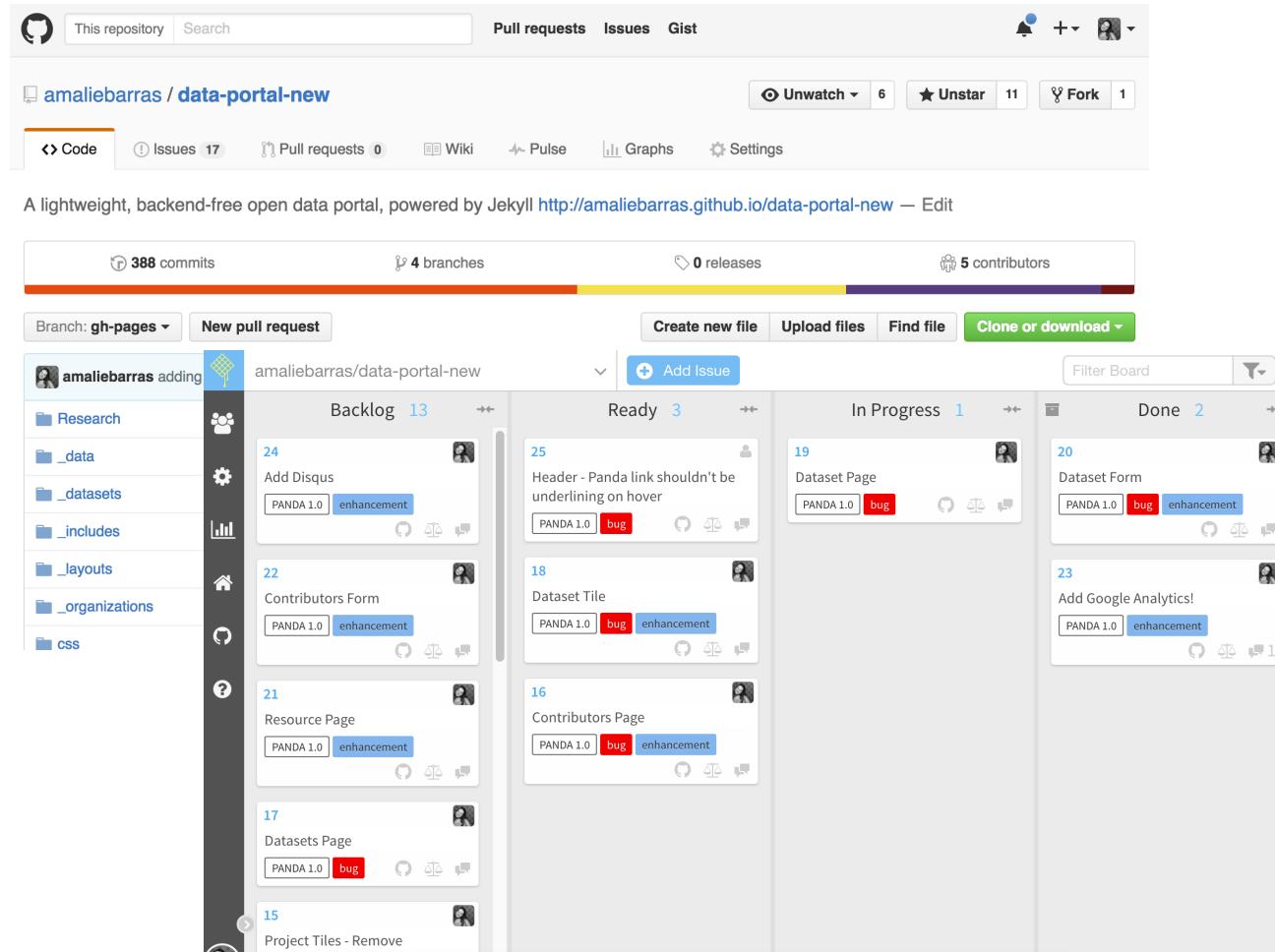
goals for ATX hack for change

replace dummy content with
real resources page content

replace hard-coded dummy data
with dynamically populating data

fix github authentication issue so
users can log in

post hackathon



continue to hack
forward with team

continue to test
cleanliness rating:
contributor versus
visitor

collaboration plan

opened a bunch of github issues open so anyone
browsing could contribute

held meetings on sunday afternoons with core
hackathon team

outcome

Thanks for visiting Panda! We've decided to adopt the amazing new open data platform, data.world, for our community open data hosting. Check out the full story [HERE](#) and be sure to visit our [ORGANIZATION PAGE](#) on data.world. If there's something you'd like to see from the PANDA team, let us know [HERE!](#)

Love,
Open Austin Community Data Portal Team

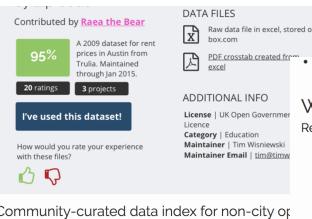
OPEN AUSTIN

PANDA

WELCOME DATASETS RESOURCES

LOGIN

Welcome to PANDA!
The People of Austin's Network for Data Access



- [data.world](#) opens registration to all users

What We Did Well

Researched Technologies

There are a surprising amount of options for Open Data platforms. The City of A had a platform called Socrata, which Open Austin was also granted an instance of, but we didn't love that. There was another option called OpenDataSoft, but it was expensive. We went with JKAN because it is backend free, and the cost of maintaining the backend. We went with JKAN because it is backend free, and the cost of maintaining the backend. We went with JKAN because it is backend free, and the cost of maintaining the backend.

Documented Issues

Throughout the whole process, we used [GitHub issues](#) to track, categorize, assign tasks. This enabled us to collaborate with the creator of JKAN on occasion, too.

Scouted planned versions

We had a lot of ideas for PANDA, but we wanted to get a MVP out as quickly as possible so we could begin sharing data, and then improve from there.

Quit once we had a better option

Although we had grand plans for a PANDA 2.0, as soon as we realized that there was a better option, we quit. That would meet most of our needs, we paused to let that catch up, and put our efforts.

What We Could Have Done Better

More incremental development

PANDA 1.0 could have and should have just been JKAN, but I didn't know how to locally without deploying via gh-pages to github. I learned that it is possible to do this, but I should have just asked to begin with, but this was my learning experience with this.

Started collecting feedback sooner

Design feedback was collected within the slack channel, but I'm talking about back. Usability testing could have started happening sooner if we had developed incrementally.

Defined roles

Project champion should not equal project manager. But when you're talking about that is the underlying assumption. In this case, the project needed a decision maker, and I was in that role, but we could have benefited from more technical expertise.

Kept up with fixes on the original JKAN

Eventually our authentication broke. And I'm not sure why or how, but I have a fix for this. I would have fixed it on the main branch.

What's Next

As we alluded to earlier, we will use our org page on [data.world](#) to host our organization assets. We will continue working with them to keep learning how to best utilize the platform (example: adding datasets to organization pages, so all our members can benefit from them).

Follow Us

[Facebook](#)

[GitHub](#)

[Meetup](#)

[Twitter](#)

[Contact Us](#)

outcome

The screenshot shows a web browser window with the following details:

- Address Bar:** Secure | https://data.world/openaustin
- Toolbar:** Includes icons for various applications like GitHub, Trello, Dribbble, and Google Analytics.
- Header:** data.world preview. A search bar and a "Following" button (green) are visible.
- User Profile:** Open Austin (@openaustin). It includes a star icon, a bio mentioning "Open Austin" and a link to http://open-austin.org, and a "Following" button.
- Navigation:** Datasets, People, Details, Followers, Following (selected).
- Datasets:** A list of 9 datasets:
 - spatialaustin/Texas Motor Vehicle Crashes**: Description: Texas crash records extracted from the statewide database for motor vehicle crashes. Status: OPEN. Last updated: May 7. Tags: transportation, vision zero, pedestrians, crashes, accidents, vehicles, safety, government, traffic, bicycles. Likes: 6. Comments: 0.
 - cityofaustin/Fresh for Less**: Description: Dataset. Last updated: Feb 28. Status: OPEN.
- About:** Open Austin is a volunteer citizen brigade advocating for open government, open data, and civic application development. We are an official brigade affiliated with the nonprofit Code for America.
- Metrics:** DATASETS 9, FOLLOWERS 44, FOLLOWING 9.
- Top Tags:** A section showing the most used tags.