

HackKC 2017: 101

What it is and how to do it.

Slides are at <http://codeforkc.org/101Hacking.pdf>



What

This is not your normal hackathon.

Open Source

It's not a competition.

We've been working in advance to line up projects and teams, but there'll be plenty of spontaneity.

Problem -> Solution

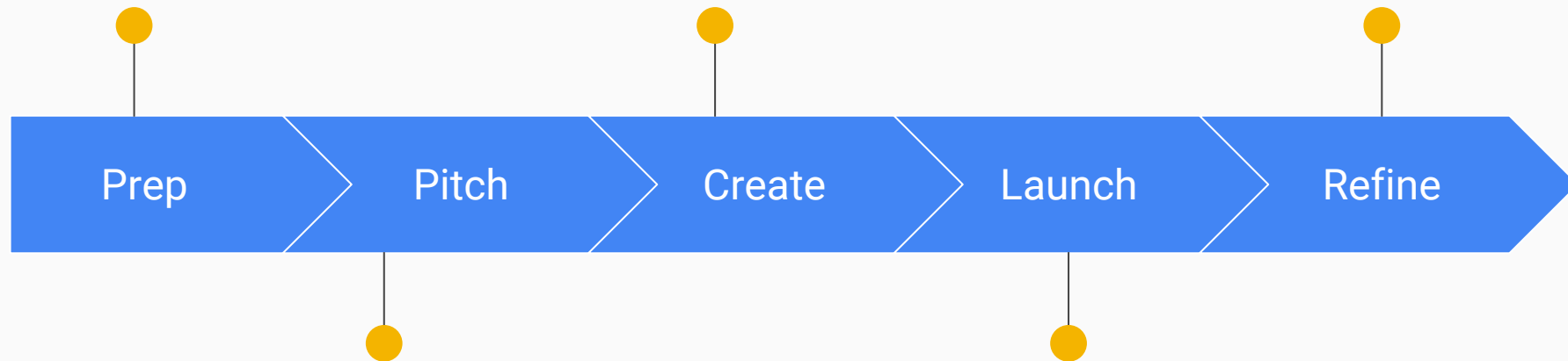
What makes a good project?

- A good problem that is well articulated with passion
- Attendance
- MVP
- Small and accomplishable tasks
- Empathy
- Collaboration

This and the next two
Monday Nights

HackKC on Sept 23rd
and 24th

Iterate



Meet and Greet:
Pitching and Team
Building

Later in the year, when
your team is ready

Materials you will need to create

GitHub Read Me

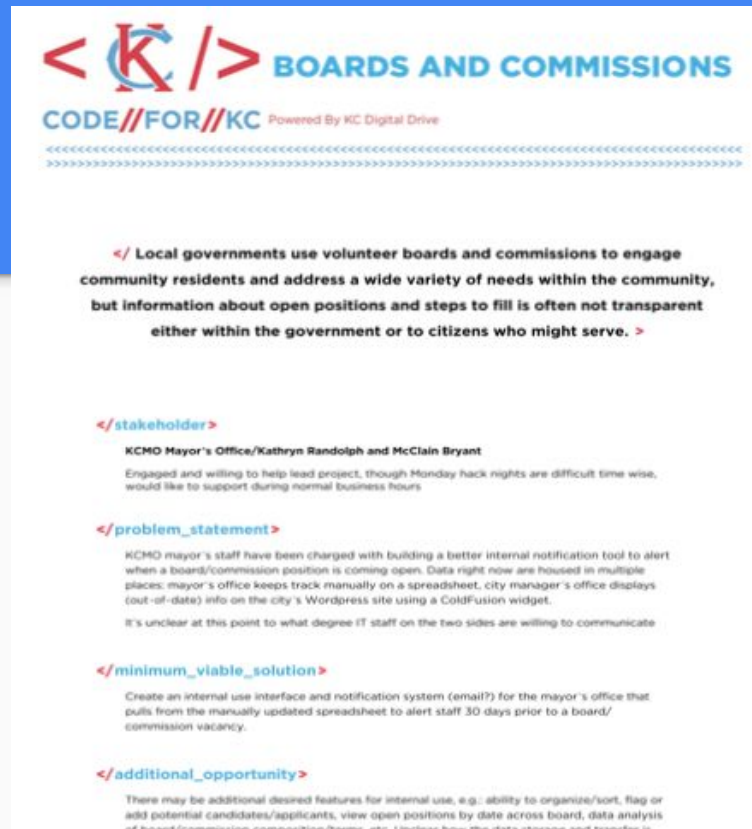
Content for Code4KC home page

Poster for Meet and Greet

Pitch Slide Deck - Saturday Sept 23rd

Post hack deck - Sunday Sept 24th

Additional Opportunity



Readme.md

README.md

Welcome to the KCNeighborhoodStat app project!

We're working to help neighborhoods help themselves by giving them easy access to useful civic open data. We're ultimately hoping to develop an app that- by providing easier access to civic open data- lets neighborhood organization and neighbors:

- **Better understand their neighborhood through data** *What is my neighborhood- what are its boundaries? How many people live there? How much crime happens here?*
- **More easily track development and others projects in their neighborhoods** *Is a new business opening down the street? Is a building being torn down?*
- **Make better decisions as a community** *Do we have a lot of senior citizens that need help with minor home repair?*
- **Become more effective advocates for their community** *We need more police patrols and codes inspections- here's the data*

Civic data: the opportunity

These days, we're seeing a greater availability of civic open data in cities across the country- Kansas City included! We believe this trend towards more open data is especially good news for the neighborhoods that make up the fabric of the city. Rich, up-to-date information about crime, development, and demographics is what neighborhoods need to make better decisions and to advocate for themselves more effectively with government agencies and other organizations.

Civic data: the problem

Unfortunately, even though the data are out there, its potential power to help neighborhoods isn't yet realized. Accessing civic data might mean hours of wading through spreadsheets, then trying to interpret confusing terminology, or having to go through a website that is not easy to use for the average resident or neighborhood leader. Meanwhile, civic data is usually not presented at the neighborhood-level geography. Right now, for instance, it's not possible to see the population of a neighborhood or the number of crimes that have occurred there recently.

That's why we created KCNeighborhoodStat

We're making an application that displays relevant civic open data at the neighborhood level.

To help realize the full potential of this data in benefitting our city's neighborhoods, we want this tool to be:

- User-friendly/visually appealing
- Customizable (users can select which datapoints to display for a particular neighborhood)
- Capable of displaying data over time (so that users can understand trends, put data in context)

How it works

Users of the site will be prompted to select a neighborhood on the homepage. This will direct them to a "neighborhood page," where they will be able to select a number of datapoints they would like to study.

Those data would be summarized in simple boxes, like in this example from this [civic data dashboard] (<https://dashboard.edmonton.ca/>) from the City of Edmonton, Canada's website.

Another aspect of Edmonton's dashboard we plan incorporate in our app is the ability to view data over time. By clicking on one of the data boxes, a detailed explanation of the data would expand and the data would be displayed on a graph. The graph could be standalone, allowing multiple datasets to be added to it, to allow comparison.

Ideally, data with a specific location would be displayed on the page's neighborhood map.

Introduction for Developers

Pitch Deck

- Title
- Problem Statement
- Why this project is important
- History/Status/Next Steps
- Partners/Sponsors
- Team
- Needs
- Final Pitch

Report Back

- Title
- Problem Statement
- Status
- What did you learn
- Partners/Sponsors
- Road Map/Next Steps
- Team
- Contact

Slack

Work Spaces - far left

Channels

Messages

Search

Notifications

Integrations - Links to web site is an example

Easier to onboard new team members, communication is not locked into email

The image shows a side-by-side comparison of two communication interfaces. On the left is a Slack workspace for 'Code for America'. The left sidebar lists channels: # announcements, # brigade, # brigade-leadership, # brigade-wins, # cfapi, # health, # opendata, # random, # safety-and-justice, and # small-brigades (which is highlighted). Below channels are direct messages with slackbot and several team members. The main area shows a tweet from @BullStLabs about a community event, including a photo of a group of people in a room. On the right is a Twitter thread. The top tweet is from @BullStLabs, dated Tuesday, February 21st, about a community event. Below it is a tweet from @carlvlewis dated Friday, February 24th, mentioning the event and providing a link. The bottom part of the right panel shows search results for 'How to write a good GitHub repository README' by tomas, dated Jan 30th, 2015.

Code for America

- # announcements
- # brigade
- # brigade-leadership
- # **brigade-wins**
- # cfapi
- # health
- # opendata
- # random
- # **safety-and-justice**
- # small-brigades
- # support_group_1

Direct Messages

- slackbot
- pbarham (you)
- brendan
- civicwhitaker
- groovecoder, aarondeacon
- jillzey
- kevin
- mckay.davis, ryankanno
- neil
- tlogersniutechbark

Apps

- trello

#small-brigades

30 | 0 | Add a topic

joined #small-brigades

Tuesday, February 21st

Friday, February 24th

carlvlewis 10:41 AM

more bragging on our community here, but last night's first event for Open Savannah had, at last count, 47 attendees. Way more than I expected!

<https://twitter.com/BullStLabs/status/834914616249630720>

BullStreetLabs @BullStLabs

Solving real community problems with data.

@carlvlewis packs night court with citizens discussing @open_savannah @codeforamerica

<https://pbs.twimg.com/media/C5Y2ag2WQAAJ57d.jpg>

Twitter Feb 23rd at 5:55 PM (176kB)

Wednesday, May 3rd

Message #small-brigades

Search Results

tomas

How to write a good GitHub repository README

Document from Google Drive

Jan 30th, 2015 at 2:36 PM • Document from Google Drive • Shared in fellows

Commenting in #fellows

Add Comment

Slack Signup

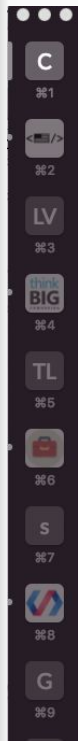
Instructor: click on down arrow next to CodeForKC

Select Invite People

Get real names and emails

Students: will get an email

Projects: Create a channel



Invite Team Members

Email Address	First Name	Last Name	
<input type="text" value="name@example.com"/>	<input type="text" value="Optional"/>	<input type="text" value="Optional"/>	×
<input type="text" value="name@example.com"/>	<input type="text" value="Optional"/>	<input type="text" value="Optional"/>	×
<input type="text" value="name@example.com"/>	<input type="text" value="Optional"/>	<input type="text" value="Optional"/>	×

[+](#) Add another or add many at once

Default Channels

New team members will automatically join **general** and **random** [Edit / add](#)

[Compose a custom message](#) to make your invites more personal.

Send Invitations

Git Hub for Project Leads

Issues

Readme

Wiki

Code??

GitHub for Project Leads


Git + Hub, two words, CamelCased

- Hub is the social aspect
 - README.md
 - Issues - with labels
 - Wiki - for persistent background
 - Collaborators/team - easy access




Coders


- Git is a Version Control System
 - Allows you to track changes and versions

Organization/Person Home





[Pull requests](#) [Issues](#) [Gist](#)


  





Code for Kansas City

 andrewh@codeforamerica.org

 **Repositories**

 **People** 29

 **Teams** 13


 **Settings**

Filters ▾

+ New repository


codeforkansascity.github.io

HTML ★ 5 🍴 61

 forked from [Code4HR/code4hr](#)

Code for Kansas City Website

Updated 17 hours ago



Neighborhood-Dashboard

















Ruby ★ 5 🍴 4

We're working to help neighborhoods help themselves by giving them easy access to useful data to allow them to identify and track problem areas in their neighborhood.

Updated 3 days ago

People

29 >

Invite someone

Repository/Project Home

The screenshot shows the GitHub interface for the 'codeforkansascity / Neighborhood-Dashboard' repository. At the top, there's a navigation bar with the GitHub logo, a search bar, and links for 'Pull requests', 'Issues', and 'Gist'. On the right, there are notification and user profile icons. Below the navigation bar, the repository name 'codeforkansascity / Neighborhood-Dashboard' is displayed, along with statistics: 14 Unwatch, 5 Stars, and 4 Forks. A secondary navigation bar includes tabs for 'Code', 'Issues 23', 'Pull requests 0', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. The main content area starts with a description: 'We're working to help neighborhoods help themselves by giving them easy access to useful data to allow them to identify and track problem areas in their neighborhood. — Edit'. Below this is a progress bar showing repository statistics: 69 commits, 13 branches, 0 releases, and 4 contributors. A toolbar contains options like 'Branch: master', 'New pull request', 'New file', 'Upload files', 'Find file', 'SSH', a repository URL, and 'Download ZIP'. The commit history section shows a list of recent commits by JakeLaCombe, including 'Add Legally Vacant endpoint to the API' (4 days ago), 'Added White Board photos' (9 months ago), and 'Initialize Project' (9 months ago).

codeforkansascity / Neighborhood-Dashboard

Unwatch 14 Star 5 Fork 4

Code Issues 23 Pull requests 0 Wiki Pulse Graphs Settings

We're working to help neighborhoods help themselves by giving them easy access to useful data to allow them to identify and track problem areas in their neighborhood. — Edit

69 commits 13 branches 0 releases 4 contributors

Branch: master New pull request New file Upload files Find file SSH git@github.com:codeforkansa: Download ZIP

JakeLaCombe Add Legally Vacant endpoint to the API Latest commit 2a1fb80 4 days ago

app	Add Legally Vacant endpoint to the API	4 days ago
artifacts	Added White Board photos	9 months ago
bin	Initialize Project	9 months ago

Create Your Account

- Goto <http://github.com>
- Click Sign Up, in the upper right hand corner
- Choose the free plan

Create a repository in GitHub

- Go Back to your organization/list of repositories
 - Click on your name in the upper right hand corner
 - Select "Your Profile"
 - Click on Repositories in the middle of the tabs

Create a repository in GitHub - Cont



- Click “New”, it is the green button
- Fill in:
 - Repository name
 - Description
 - Public
 - Initialize this repository with a README
 - Add a MIT License

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner

Repository name

 zmon ▼ / test4 

Great repository names are short and memorable. Need inspiration? How about **bookish-doodle**.

Description (optional)



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

Click Initialize



Select MIT License



Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** ▼

Add a license: **MIT License** ▼



If you end up at
this screen

Click on [README](#)
You will get to an edit screen
Change the editor
Enter a Commit Message
Then Click [Commit New File](#)

The screenshot shows the GitHub interface for a repository named 'zmon / test3'. At the top, there's a search bar and navigation links for 'Pull requests', 'Issues', and 'Gist'. Below the repository name, there are buttons for 'Unwatch', 'Star', and 'Fork'. The main content area is titled 'Quick setup — if you've done this kind of thing before' and includes a section for setting up the repository on a desktop or via command line. The 'Set up in Desktop' section shows the repository URL 'git@github.com:zmon/test3.git'. The '...or create a new repository on the command line' section provides a series of git commands to initialize a new repository and push it to GitHub. The '...or push an existing repository from the command line' section provides git commands to add a remote and push. The '...or import code from another repository' section includes an 'Import code' button. A 'ProTip!' at the bottom suggests using the URL for adding GitHub as a remote.

This repository Search

Pull requests Issues Gist

zmon / test3

Unwatch 1 Star 0 Fork 0

<> Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

Quick setup — if you've done this kind of thing before

Set up in Desktop or HTTPS SSH git@github.com:zmon/test3.git

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# test3" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin git@github.com:zmon/test3.git
git push -u origin master
```

...or push an existing repository from the command line

```
git remote add origin git@github.com:zmon/test3.git
git push -u origin master
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

Import code

ProTip! Use the URL for this page when adding GitHub as a remote.


What a README should do and be:


- Use it to orient people to your project.
- Project needs (if any), ie designers, javascript coders...
- It should be simple and short.
- Could contain:
 - a clear description of the project
 - how and why you would use it
 - list of authors
 - instructions on how to contribute
 - instructions on use and/or install

Issues - Todo List/Discussion Board

- Good article on
 - <https://github.com/codeforamerica/howto/blob/master/Good-GitHub-Issues.md>
- Ask for help TAGS
 - “help wanted” and/or “ready”
- Ask for specific type of help TAGS
 - Easy/hard
 - Designer/coder/Javascript/Rails
- When you want it done
 - Tags
 - Milestones

CFA Civic Project Finder

[ABOUT](#)[BUILD 21ST CENTURY GOV](#)[WHAT YOU CAN DO](#)[WHERE WE FOCUS](#)



THE CIVIC TECH ISSUE FINDER


Code for America Right Now

These are open GitHub Issues labeled with **help wanted** from across the civic technology movement. **Embed them** in your own site.

OPEN-DATA-MAKER

support date types


Ruby **Needs Failing Spec** **help wanted**



STREETSEARCH

Need new logo

help wanted



OPEN-DATA-MAK

I would like to by synonym (e Los Ange

help wanted

Ready - in Waffle.io

The screenshot displays the Waffle.io Kanban board interface. The top navigation bar includes a user profile icon, the text 'zmon/HackKC2017-A', an 'Add Issue' button, and a 'Filter Board' search bar. The left sidebar contains navigation links: 'Invite/Share', 'WaffleBot', 'Board View' (highlighted), 'Metrics', 'Project Settings', 'View on GitHub', 'Home', 'Help', 'Logout', and 'My Account'. The main board area is divided into four columns: 'Backlog' (8 items), 'Ready' (4 items), 'In Progress' (0 items), and 'Done' (0 items). The 'Ready' column contains four tasks, each with a title, a sprint label, and icons for refresh, undo, and comment. A 'Go to Throughput' button is located in the 'Done' column, with a message about the new list view.

zmon/HackKC2017-A

+ Add Issue

Filter Board

Invite/Share

WaffleBot

Board View

Metrics

Project Settings

View on GitHub

Home

Help

Logout

My Account

Backlog 8

Ready 4

In Progress 0

Done 0

5 Brainstorm solutions sprint2

6 Paper Prototypes sprint2

7 Pick a Solution sprint2

8 Test Your Guesses sprint2

9 Pivot or Persevere sprint3

10 Define the testable MVP sprint3

11 Build! sprint4

12 Pitch Practice sprint5

1 Team Formation sprint1

2 What Problem Is Worth Solving? sprint1

3 Who's Your Customer? sprint1

4 What Makes You Different? sprint1

In Progress

Let others know you're working on an issue by dragging it to In Progress.

Done


Closed issues are shown in this column. Drag issues here to close them.

Go to Throughput



Check out our new list view (in beta) of all work completed in the last 30 days.

Waffle Resources

- Waffle.io <http://waffle.io>
- HackShop - define a agile board for a project <https://hackshop.waffle.io/> in GitHub issues.

 This repository Search

Pull requestsIssuesGist

UMKC-Law / Parcel-Assessment-Tool

Unwatch 10Star 3Fork 6

CodeIssues 16Pull requests 0WikiPulseGraphsSettings

Road Map

EditNew Page

Josh edited this page on Jul 30, 2015 · 3 revisions

This is an outline of tasks that need to be completed for the Parcel Assessment Tool

Important Upcoming Dates:

August 24: Classes start: (New student onboarding)

November:

Data acquisition

- Fill out the rest of the zoning table so that includes values for all zones found in Kansas City
 - *Only includes zones found in Wendell Philips at the moment*
- Obtain data from Jackson County
- Obtain data from Kansas City
- Obtain more data in general

Interface


- Reorganize the building envelope so that:


Pages 6

[Home](#)
[Land Bank json Data that has been identified.](#)
[Road Map](#)
[Similar Projects or Projects of interest](#)
[Sources for Information](#)
[Using The Parcel Assessment Tool](#)


+ Add a custom sidebar

Clone this wiki locally

<https://github.com/UMKC-Law> 

 Clone in Desktop

Neighborhood-Dashboard / README.md

 or cancel

<> Edit file

 Preview changes

```

1  # Welcome to the KCNeighborhoodStat app project!
2
3  We're working to help neighborhoods help themselves by giving them eas
4  We're ultimately hoping to develop an app that- by providing easier acc
5  organization and neighbors:
6
7  * Better understand their neighborhood through data
8  *What is my neighborhood- what are its boundaries? How many people live
9
10 * More easily track development and others projects in their neighbo
11 *Is a new business opening down the street? Is a building being torn a
12
13 * Make better decisions as a community
14 *Do we have a lot of senior citizens that need help with minor home rep
15
16 * Become more effective advocates for their community
17 *We need more police patrols and codes inspections- here's the data*
18
19 ### Civic data: the opportunity
20
21 These days, we're seeing a greater availability of civic open data in c
22 across the country- Kansas City included! We believe this trend towards

```

Welcome to the KCNeighborhoodStat

We're working to help neighborhoods help themselves by giving them easy hoping to develop an app that- by providing easier access to civic open data:

- **Better understand their neighborhood through data** *What is my neighborhood? How many people live there? How much crime happens here?*
- **More easily track development and others projects in their neighborhood** *Is a building being torn down?*
- **Make better decisions as a community** *Do we have a lot of senior citizens?*
- **Become more effective advocates for their community** *We need more police patrols and codes inspections- here's the data*

Civic data: the opportunity

These days, we're seeing a greater availability of civic open data in cities across the country, and this trend towards more open data is especially good news for the neighborhoods.

Social Resources

- Markdown Basics
<https://help.github.com/articles/markdown-basics/>
- Mastering Markdown
<https://guides.github.com/features/mastering-markdown>
- Deep dive Mastering Issues
<https://guides.github.com/features/issues/>

More Resources

Tale Of A Top-10 App, Part 1: Idea And Design

mobile.smashingmagazine.com/2013/07/04/top-ten-app-part-1-idea-and-design

How to pitch at a hackathon

<https://developer.amazon.com/appsandservices/community/post/TxF39QF5TTQF8S/Hackathon-Pitches-Where-Great-Ideas-Go-To-Die>

Collaboration Etiquette

- Use language such as “yes/and”, not “no/but.”
- Listen more than you speak.