

# HackKC 2018: 101

What it is and how to do it.

Slides are at <http://codeforkc.org/101Hacking-2018.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

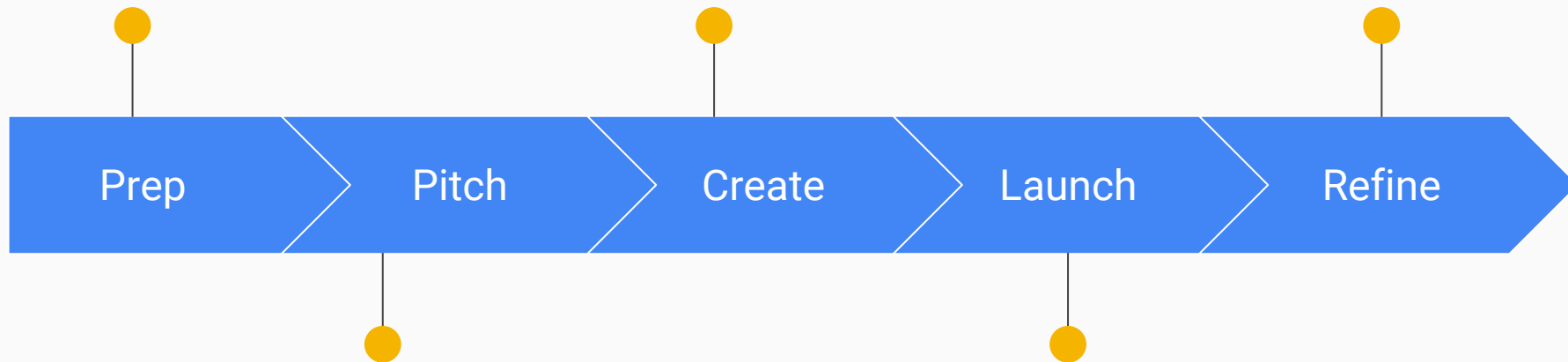
# What makes a good project?

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

This and the next few  
Monday Nights

HackKC on Oct 13th  
and 14th

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 Oct 13th

Post hack deck - Sunday Oct 14th

# Poster / Project Card


Title/Description

Stakeholder

Problem Statement

Minimum Viable Solution

Additional Opportunity



## BOARDS AND COMMISSIONS

CODE//FOR//KC Powered By KC Digital Drive

=====

**</ Local governments use volunteer boards and commissions to engage community residents and address a wide variety of needs within the community, but information about open positions and steps to fill is often not transparent either within the government or to citizens who might serve. >**

**</ stakeholder >**

**KCMO Mayor's Office/Kathryn Randolph and McClain Bryant**

Engaged and willing to help lead project, though Monday hack nights are difficult time wise, would like to support during normal business hours

**</ problem\_statement >**

KCMO mayor's staff have been charged with building a better internal notification tool to alert when a board/commission position is coming open. Data right now are housed in multiple places; mayor's office keeps track manually on a spreadsheet, city manager's office displays (out-of-date) info on the city's Wordpress site using a ColdFusion widget.

It's unclear at this point to what degree IT staff on the two sides are willing to communicate

**</ minimum\_viable\_solution >**

Create an internal use interface and notification system (email?) for the mayor's office that pulls from the manually updated spreadsheet to alert staff 30 days prior to a board/ commission vacancy.

**</ additional\_opportunity >**

There may be additional desired features for internal use, e.g.: ability to organize/sort, flag or add potential candidates/applicants, view open positions by date across board, data analysis of board/commission composition/terms, etc. Unclear how the data streams and transfer is

# 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 Slack workspace interface. On the left is a sidebar with a list of channels and direct messages. The channels include # announcements, # brigade, # brigade-leadership, # brigade-wins, # cfapi, # health, # opendata, # random, # safety-and-justice, and # small-brigades. The # small-brigades channel is currently selected. Below the channels are direct messages with slackbot and several team members. The main chat area displays a tweet from BullStreetLabs (@BullStLabs) dated Tuesday, February 24th. The tweet text is: "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". Below the text is a photo of a group of people sitting in a room, facing a screen. The search results panel on the right shows a search for "readme" and displays a result for "How to write a good GitHub repository README" by tomas, with a link to a document from Google Drive.

**Code for America** 2

- # 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

Search Results

tomas How to write a good GitHub repository README ☆

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

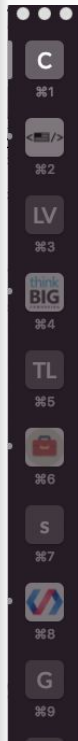
Instructor: click on down arrow next to CodeForKC

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](mailto: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 links 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 offers 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 the latest commit by JakeLaCombe, 'Add Legally Vacant endpoint to the API', made 4 days ago. Below this, a list of files and their commit messages is shown: 'app' (Add Legally Vacant endpoint to the API, 4 days ago), 'artifacts' (Added White Board photos, 9 months ago), and 'bin' (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

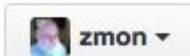
# Create a repository in GitHub - Cont

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

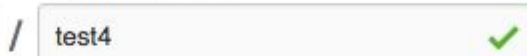
## Create a new repository

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

Owner



Repository name



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 'test3' under the user 'zmon'. The top navigation bar includes the GitHub logo, a search bar, and links for 'Pull requests', 'Issues', and 'Gist'. On the right, there are notification and profile icons. Below the repository name, there are buttons for 'Unwatch' (1), 'Star' (0), and 'Fork' (0). A secondary navigation bar contains links for '<> Code', 'Issues 0', 'Pull requests 0', 'Wiki', 'Pulse', 'Graphs', and 'Settings'. The main content area is titled 'Quick setup — if you've done this kind of thing before' and offers three methods to set up the repository: 'Set up in Desktop', 'HTTPS', and 'SSH'. The 'SSH' option is selected, showing the URL 'git@github.com:zmon/test3.git'. Below this, a recommendation states: 'We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).' The next section, '...or create a new repository on the command line', provides a series of terminal commands to initialize a new repository, add a README file, commit it, and push it to the remote. The following section, '...or push an existing repository from the command line', shows the commands to add a remote and push. The final section, '...or import code from another repository', includes a note about initializing from other sources and an 'Import code' button. A 'ProTip!' at the bottom suggests using the repository URL as a remote when 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**

## codeforkansascity / hackkc-2018

[Unwatch](#) 11 [Star](#) 1 [Fork](#) 0

[Code](#)
[Issues 50](#)
[Pull requests 0](#)
[ZenHub](#)
[Projects 2](#)
[Wiki](#)
[Insights](#)
[Settings](#)

HackKC 2018 Oct 13th and 14th

Updated 32 seconds ago

🔍 Filter cards

+ Add cards

Fullscreen

Menu

## 9 Parking Lot

 **Recruit UMKC Students - Comp Sc** ...  
#37 opened by zmon

 **Recruit participants from Freelance Exchange** ...  
#38 opened by zmon

 **Recruit participants from Allied Global Services** ...  
#39 opened by zmon

 **Recruit participants from Big Data** ...  
#45 opened by zmon

 **Recruit Youth Participants for Hack KC Oct 13, 14** ...  
#36 opened by zmon

Recruit participants from Barkley, Crema, CodeKualas, #41 opened by zmon

 **Recruit participants from Jacob Wagner** ...

#42 opened by zmon

**Recruit participants from Data Science**  
#46 opened by zmon

## 1 To Do Now

 Social Media - Promote Meet & Greet Night - KC Digital Drive


Added by stacygriffith

## 2 In Process

- Create/Finish flyer ...  
Added by zmon
- Update hackkc with project title and desc ...  
Added by zmon

Automated as **In progress** [Manage](#)

6 Done

 **Recruit participants from Java Script Meetup** ...  
#48 opened by zmon

 **Recruit participants from PHP Meetup** ...  
#47 opened by zmon

📢 **Recruit participants from GIS Meetup** ...  
#44 opened by zmon


 **Recruit participants from Python Meetup** ...  
#50 opened by zmon

 **Recruit participants from R Meetup** ...  
#49 opened by zmon



 **Recruit participants from VML - Vuejs** ...  
#40 opened by zmon

Automated as **Done** [Manage](#)



 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

&lt;&gt; 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](http://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”.
- Listen more than you speak.