

Project Presentation:

Or, How We Went from Inspiration to Execution



- 1. Demo
- 2. Calendar Timeline
- 3. Design
- 4. Rogues Gallery of Bugs
- 5. Lessons Learned & Next Steps
- 6. Q&A



Demo Time



Calendar Timeline



November 2016						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31	Nov 1	2	3	4	5
6	7	8	9	10	• [Project Assigned] 1:30 PM • make slack channel 1:50 PM • postman 2 PM • put regs in github 2:50 PM • start brainstorming! 6 PM • map/proximity app? 6 PM • getting api keys 7 PM	• hiking/weather app? 9 AM • city service rgst app? 3 PM • add trello board 6 PM • introduce agile 6:30 PM
very quiet	nyt search warm-up activ. github: big docs bloat repo github: clone too slow github: docs to own repo 10 AM	15 day off!	**Suggest proj hw 2:50 PM **a ajax data grab 2:50 PM **a ajax data grab 2:50 PM **o found apd incident endp **o J finds nice map ex. **play w/ example 6:30 PM **a apd api needs geocode 7 PM **play w/ geocode api 7 PM	### 17 * gh skeleton mvc app * riff on ex/heroku depl * First DEMO! * First DEMO FAIL! * race cond w/ async * Ul mockup done * model: place/dataSrc ###################################	* UI mockup in github	crockpot recipes
9 G&Z ajax/geocode riff'n	• UI: landscape mediagry 1 AM • wow, 2016 traff endp moved! 7 PM • UI: 1st austin pin markers:) 11 PM • json edgecase filter! 11 PM • geocd api :- (NB/SB/EB 11 PM • oh no! geocd throttling 11 PM 28 • DEMO DAY 9 AM	* pivot to non-geocd data and 200m reset btn and 245 PM try bs-select drpdn btn and 2500 PM trello for bklog 5:30 PM and 2015 traffic endp bug killed 11 PM	23 • '15 varying json schema :(• model: lat/ling api • UI: color-coded markers • UI: wire up traffic btn's • [demo code complete] • 'hover' marker text 29 Mo AM 10 AM	add Lights-on-Flash data THANKSGIVING Dec 1	brown (D) pin marker use githb issue for bugs add Dangerous Dogs clickable pin markers model: reset zoom Ul: media tweaks fix multishiftie's feedbk 24 25 450 AM 9 AM 9 AM 9 AM 9 AM 11:30 PM 11:30 PM	[MVP Demo Ready] • UI: reset should recenter too • UI: pimp text bkground • add Found Pets • UI: tweak btn alignment • fix banner img throttle • dropdn btn prereqs 230 AM 9 AM



[Project Assigned] 1:30 PM

make slack channel
 1:50 PM

postman
 2 PM

put reqs in github
 2:50 PM

start brainstorming!
 6 PM

map/proximity app?
 6 PM

getting api keys
 7 PM



hiking/weather app?9 AM

city service rqst app?
 3 PM

add trello board
 6 PM

introduce agile
 6:30 PM



very quiet



nyt search warm-up activ.

- github: big docs bloat repo
 9 AM
- github: clone too slow
 9 AM
- github: docs to own repo
 10 AM



day off!

team rapport / chat
 11 AM

discuss collab tools
 11 AM

due data? not sure 11:55 AM

map/crime app?
 12 PM

safe-drive app?
 12:10 PM

get api keys!2 PM



7 PM

7 PM

suggest proj hw
 ajax data grab
 found apd incident endp
 J finds nice map ex.
 play w/ example
 2:50 PM
 6:30 PM
 6:31 PM

apd api needs geocode

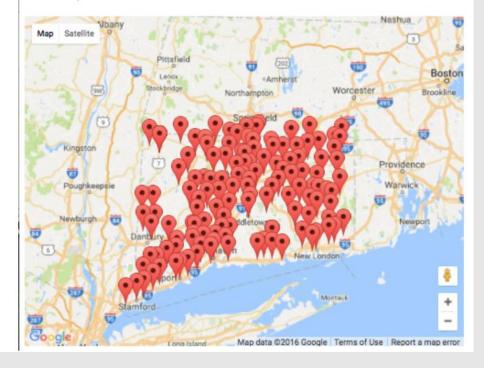
play w/ geocode api

Hello, Austin.



- gh skeleton mvc app
 8 AM
- riff on ex/heroku depl
 9 AM
- First DEMO! 9:30 AM
- First DEMO FAIL! 9:30 AM
- race cond w/ async 9:30 AM
- UI mockup done
 11 PM
- model: place/dataSrc 11 PM

Hello, Connecticut?!





UI mockup in github
 10:40 AM

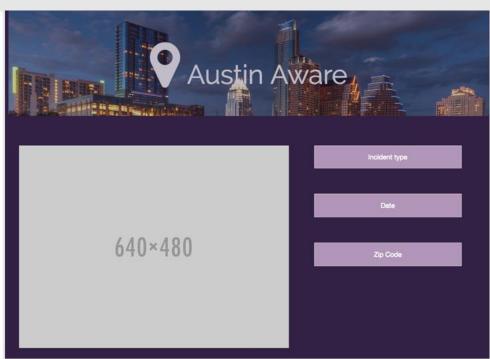
model:+city/st 4 geocd
 8 AM

first merged PR! 12:30 PM

Ul integrated in githb 3:30 PM

model: unit tests pass
 5 PM

model: geocode url
 9:45 PM





crockpot recipes

workflow angst

merge conflicts :-/

UI:debugger fun

fix 0-ht map div

map of Austin :-)

working well as team?

11:30 AM

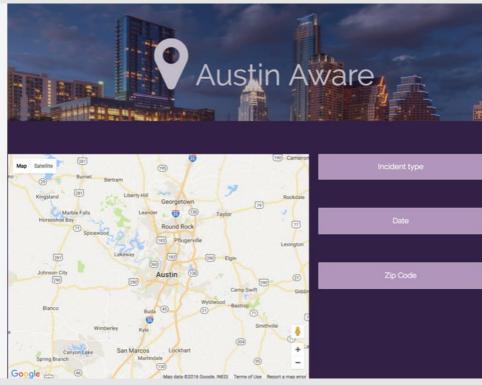
1:45 PM

4 PM

4 PM

4:55 PM

4:55 PM





G&Z ajax/geocode riff'n

UI: mobile-ish

UI: medqry in github

lat/lng from Austin endp

mode: +3 dataSources

fatal traff '15/16 + flash

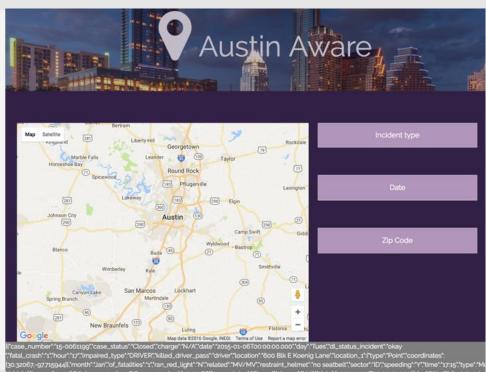
3:30 PM

5:45 PM

6 PM

6:55 PM

11 PM





11 PM

- UI: landscape mediagry
 1 AM
- wow, 2016 traff endp moved! 7 PM
- UI: 1st austin pin markers:)
 11 PM
- json edgecase filter!!
- geocd api :-(NB/SB/EB
- oh no! geocd throttling
 11 PM





4 PM

pivot to non-geocd data 7:45 AM

add zoom reset btn 3:45 PM

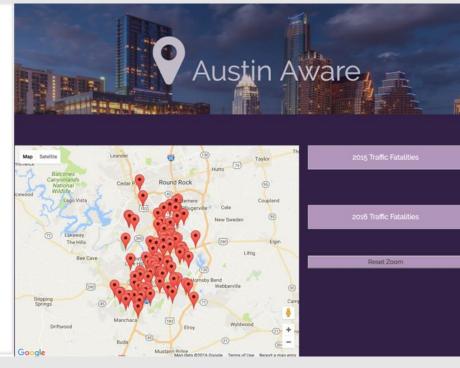
try bs-select drpdn btn

ed 5:30 PM

UI: map caption merged
 trello for bklog

5:30 PM

2015 traffic endp bug killed 11 PM





'15 varying json schema:(

9 AM

model: lat/lng api

10 AM

UI: color-coded markers

1 PM

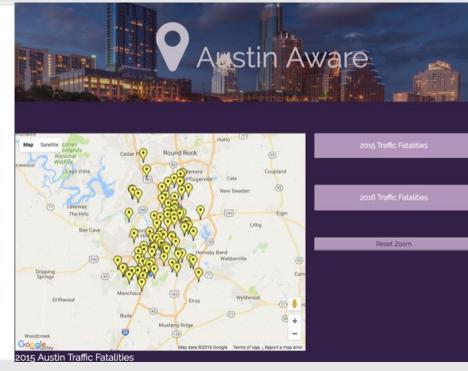
UI: wire up traffic btn's

3 PM

[demo code complete]

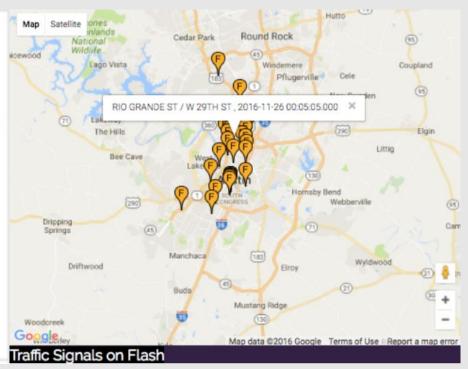
3 PM

'hover' marker text





add Lights-on-Flash data THANKSGIVING





brown (D) pin marker
 4:50 AM

use githb issue for bugs
 9 AM

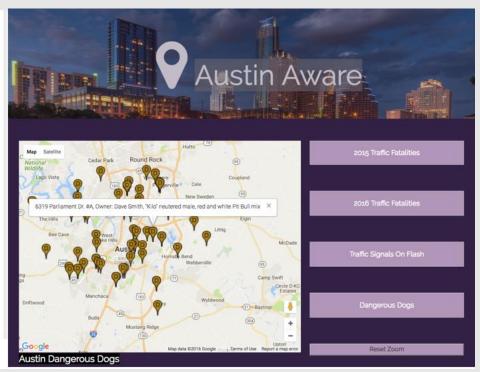
add Dangerous Dogs
 3 PM

clickable pin markers
 5 PM

model: reset zoom
 6 PM

UI: media tweaks
 7 PM

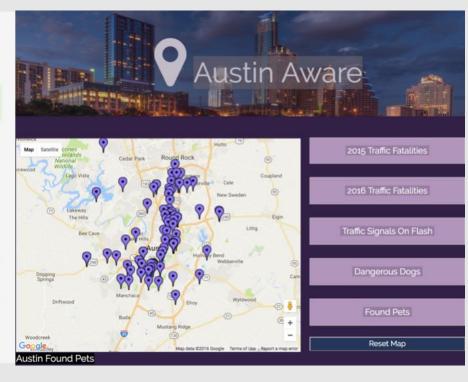
fix multishiftie's feedbk 11:30 PM





[MVP Demo Ready]

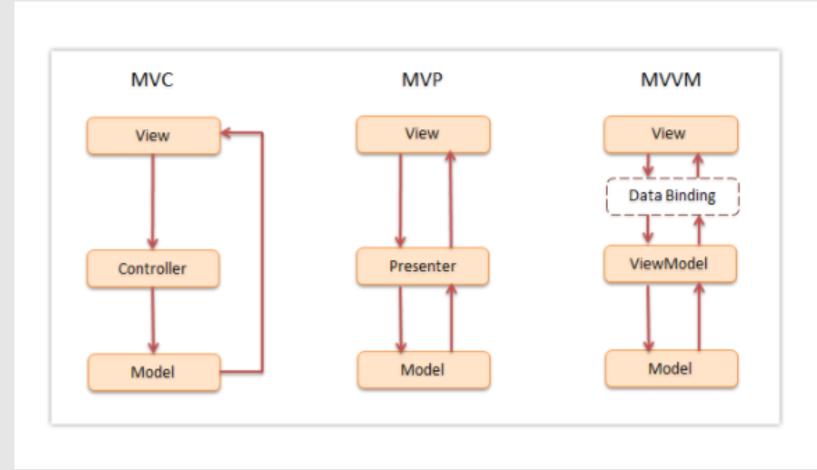
- UI: reset should recenter too
- UI: pimp text bkground 12:50 AM
- add Found Pets
 2:30 AM
- UI: tweak btn alignment 2:30 AM
- fix banner img throttle 3:20 AM
 - dropdn btn prereqs 9 AM



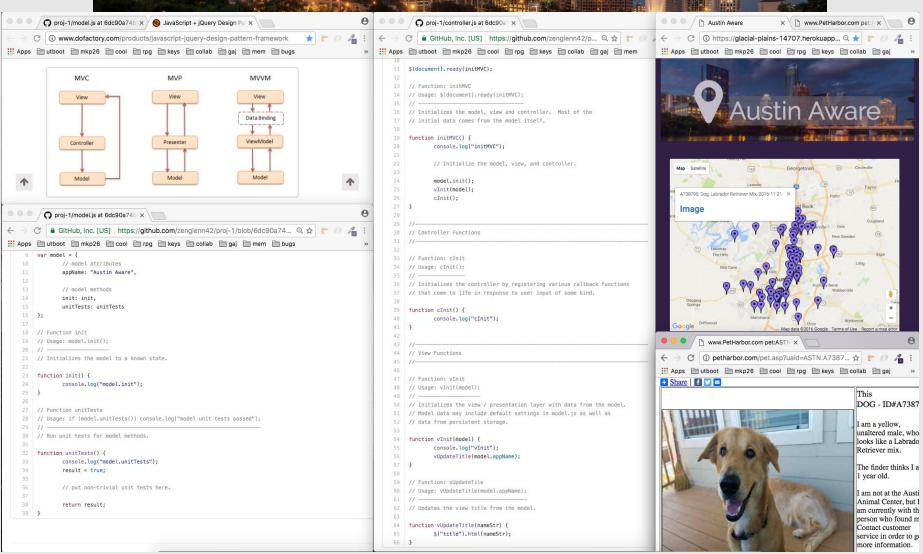


The Grand Design

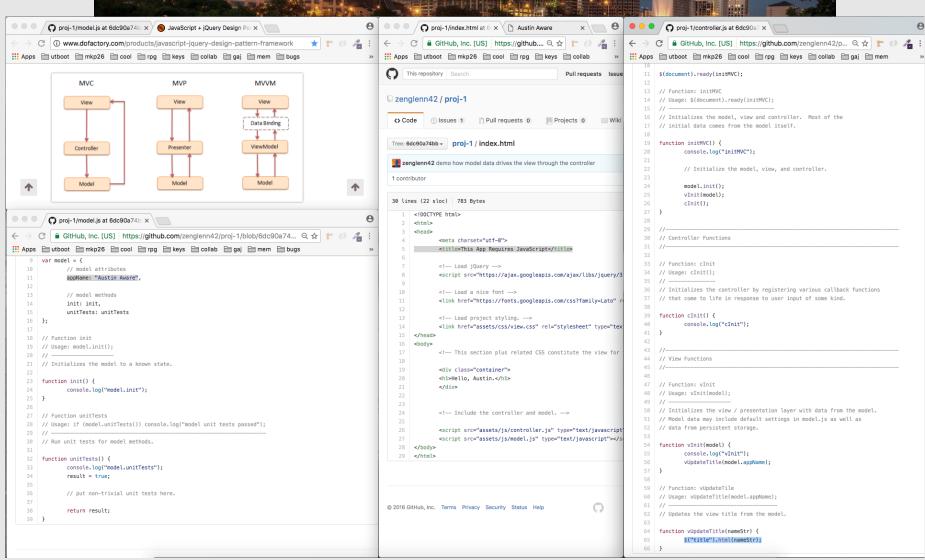




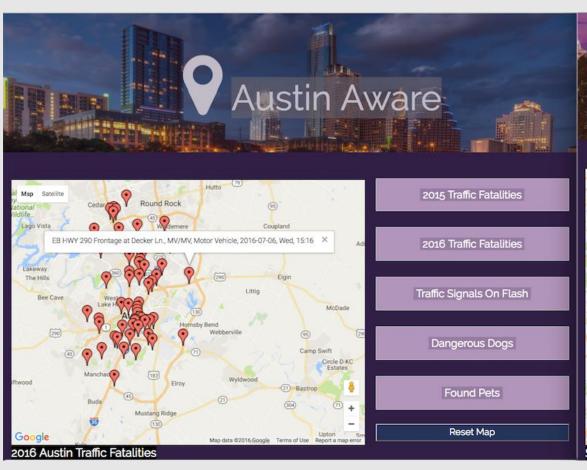


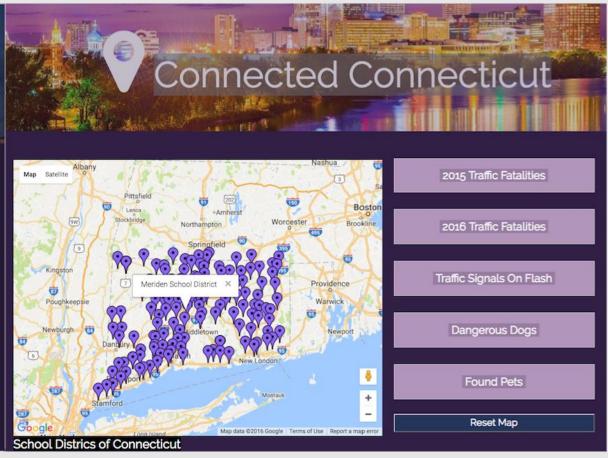














Lessons Learned: Areas for Improvement



Improve our process:

Use daily scrum/stand-up to communicate. Leverage Trello / backlog better.



Interpersonal:

Don't be silent. Be transparent about what you're doing.

Over communicate.

Is it relevant for near-term goals?

Struggle/strive but don't get bogged down.

Don't be intimidated. You have something to bring to the table.



Lessons Learned: Things We Did Right



Did bottom-up agile-like development.

- Based in reality upon what we discovered from play and exploration.
- Not from overly-exalted top-down ambitions.
- Scope evolved to something suitable for our abilities.

Early deployment work-flow through Heroku. Good architecture established early on allowed for cool scalability.



Where do we go from here?



- Visual scalability with data-driven dropdown selection button.
- GUI sizzle with Google map clusters.
- Leverage filtering capabilities offered by SODA APIs or via Firebase to bring higher-order meaning to data.
- Find hot-spots and clusters.
- Add more cities and the ability to find places/new data-sources for places of interest added by user. This would augment our model in real-time.
- Google Earth 'fly-through' of data.
- For fatalities, perform data search against newspaper to bring up any press coverage.



Q&A Time