

Project context



Possible approaches













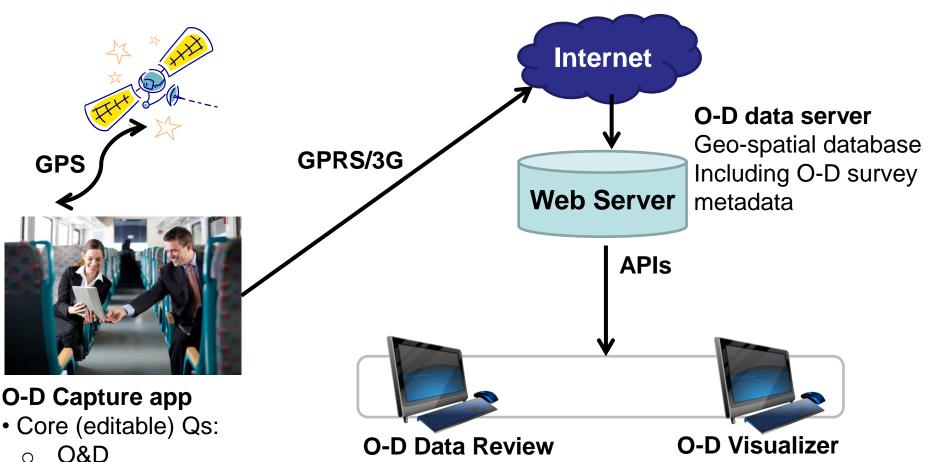
Process improvement







System diagram



- Mode used
- Purpose
- Responses batched
- OTA upload

- Track survey progress
- Real-time
- Simple view/download of raw data

- Data binned by location
- Simple averages
- CSV + GeoJson download

O-D Capture app

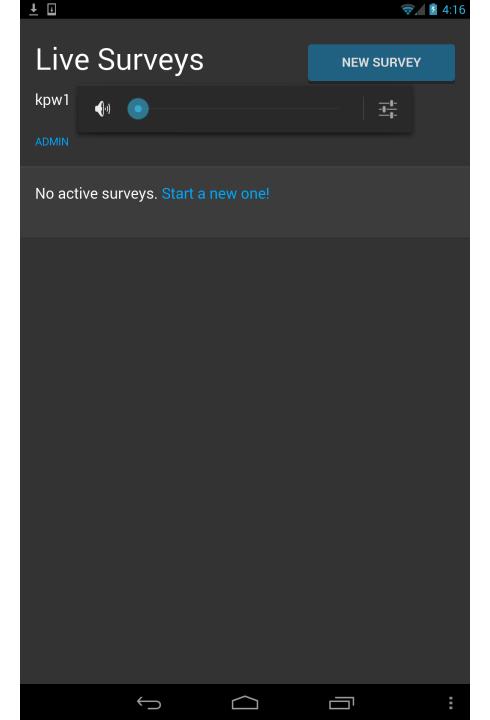
HTML5 app, not native

Phonegap Build

Backbone, Marionette, Leaflet, offline tiles via Mapbox

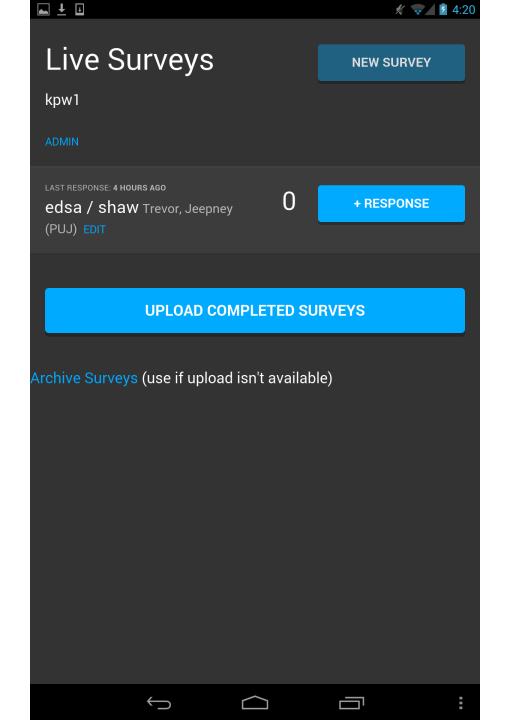
Surveys and Responses

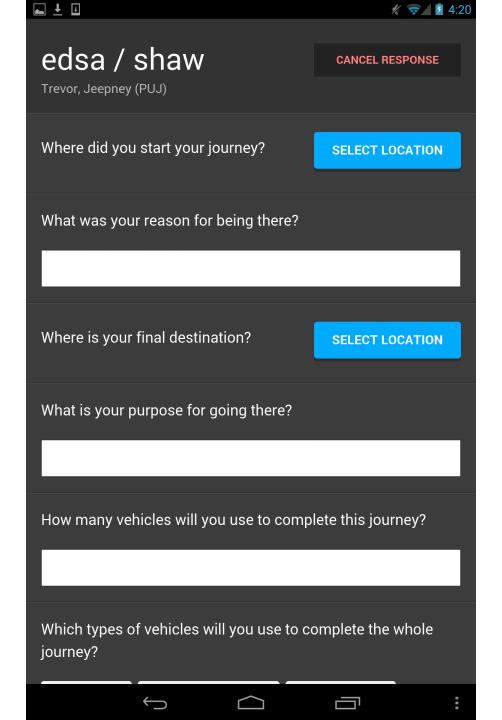
- Surveys describe the trip
- Responses are the interviews for each trip

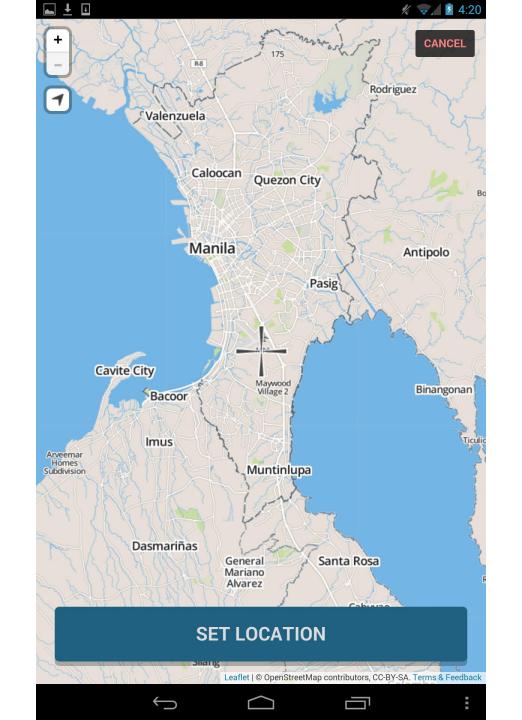


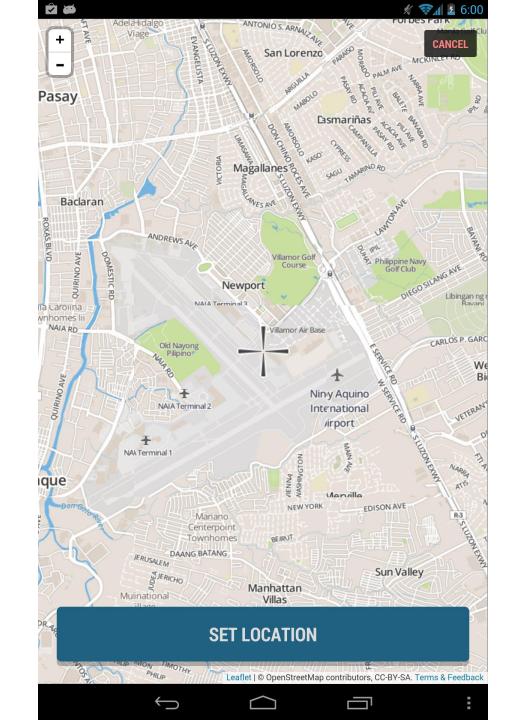
<u> </u>	% ₹ 4:17
Create New Survey	CANCEL
Name of Surveyor	
	_
Name of Route being surveyed	
Name of origin terminal	
Name of destination terminal	
Type of vehicle travelled on during surve	у
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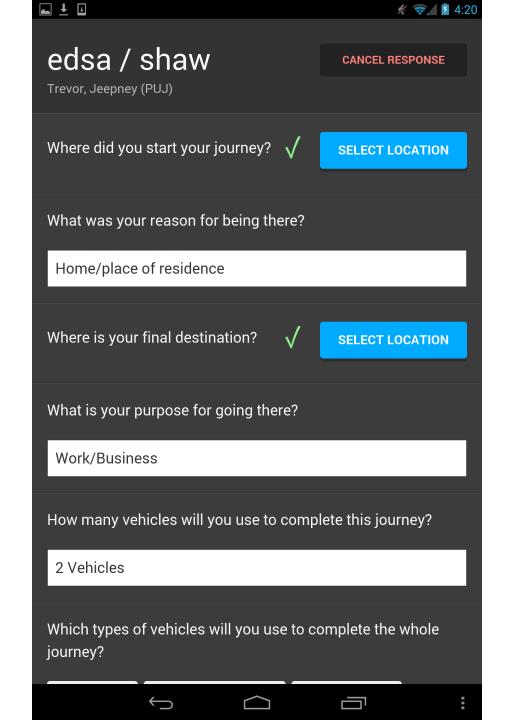
Saving screenshot	
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Name of destination terminal	
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Type of vehicle travelled on during ourses.	
Type of vehicle travelled on during survey	
Capacity of vehicle travelled on during survey	
Notes	
ODEATE OURVEY	
CREATE SURVEY	
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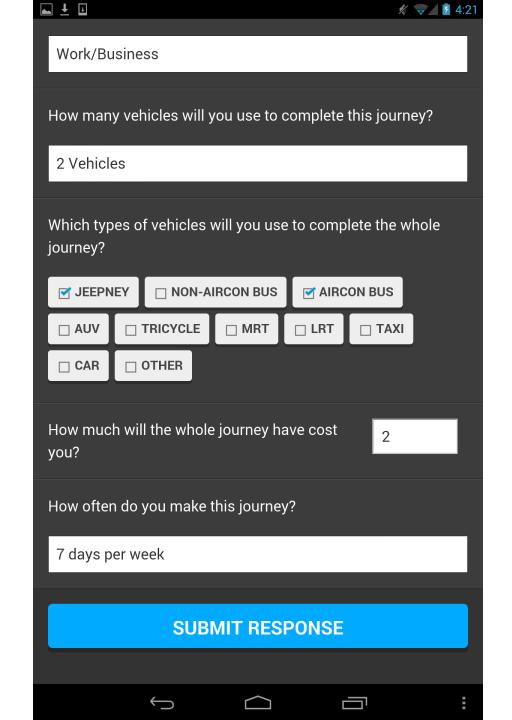


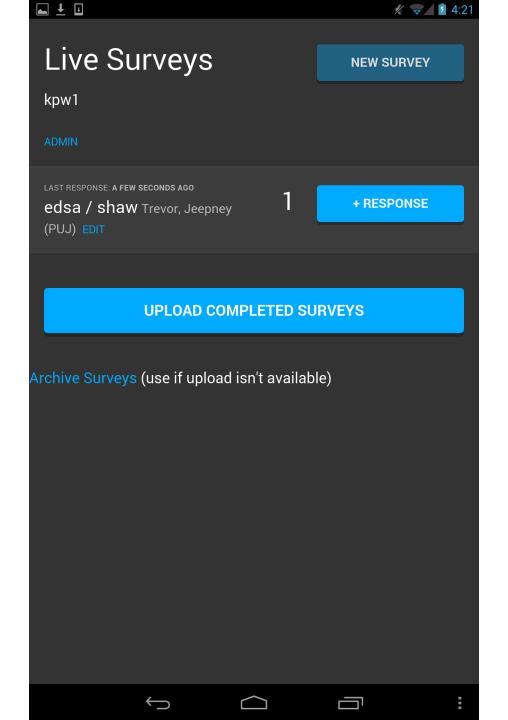












O-D Survey Manager

Javascript app running in Dropbox

Runs in a browser window

Check location surveys were completed + time/date

Real-time check-in on survey progress

O-D Data Visualizer

Problem

20,000 surveys, 40,000 lat/lon points - hard to see the results

Goal

Visualize the data to guide more detailed analysis

Tasks

- Bin the data to reduce the noise
- ·Create ways to slice and filter to your hearts desire
- Make it look pretty

Tools Used

HTML / CSS / JavaScript



Data-Driven Documents

http://d3js.org/

Crossfilter

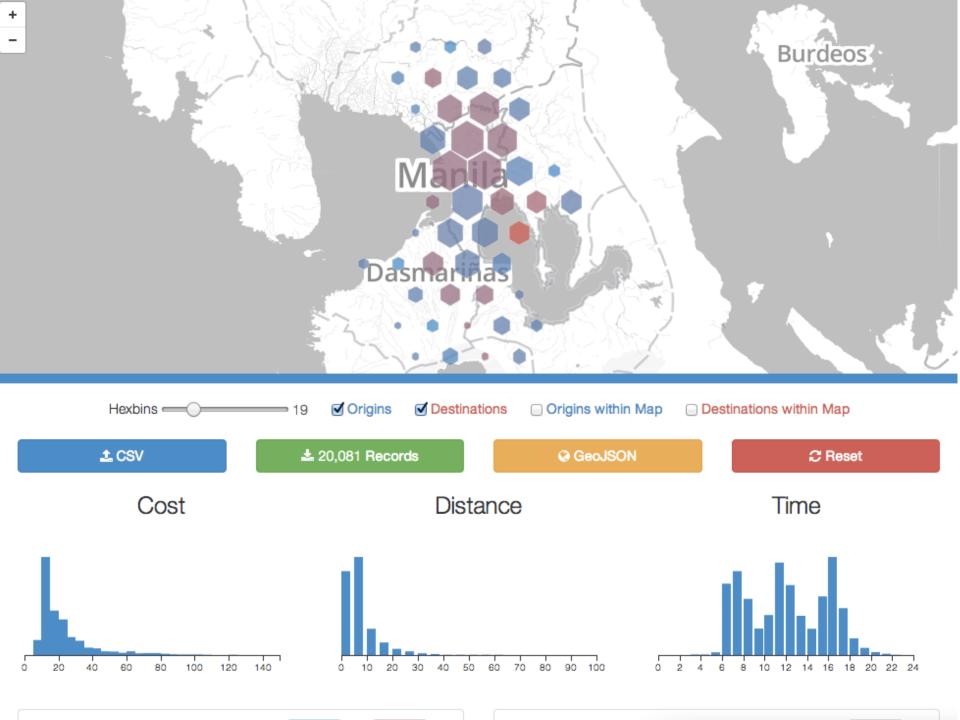
http://square.github.io/crossfilter/

twbs / bootstrap

http://getbootstrap.com/



http://leafletjs.com/



Implementation challenges







How we're using the data

21,000
responses
collected
in 6 weeks







(Building transport models!)

=

Other potential uses

Transit route usage surveys

Transit user / consumer research

Roadside driver interviews

Stop/station usage surveys



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