



Random Hacks of Kindness
Hacking for Humanity

Fair Housing Campaign

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Remodeling the Problem

Project Goals

- Make deficiency report data publicly available, and display in a meaningful and accessible format
- Allow tenants to report deficiencies via simple and user-friendly web form
- Create awareness for issues of inadequate housing, improve housing standards, set stronger enforcements

Team Goals for RHoK

- Create web prototype for ACORN Toronto
- UX: Minimalistic, responsive and efficient
- Plot OpenTO investigation data on to interactive map with basic filtering
- Create web pages that can be augmented for future endeavours



Wireframes



http://



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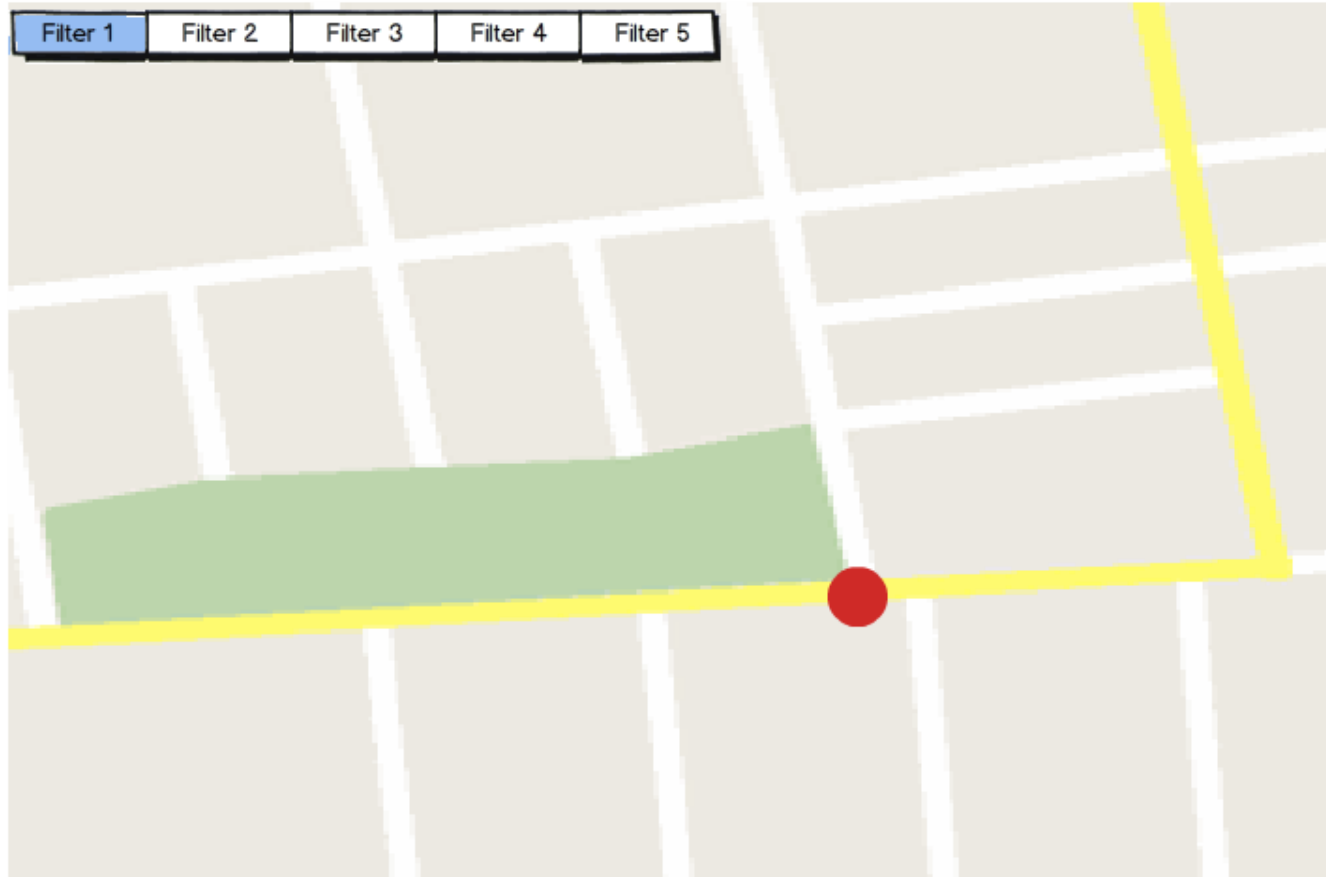
Filter 1

Filter 2

Filter 3

Filter 4

Filter 5



Submit a Report

e.g. Pest, property maintenance

Short description of submission process



http://



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Deficiency Report - ACORN submission

Address

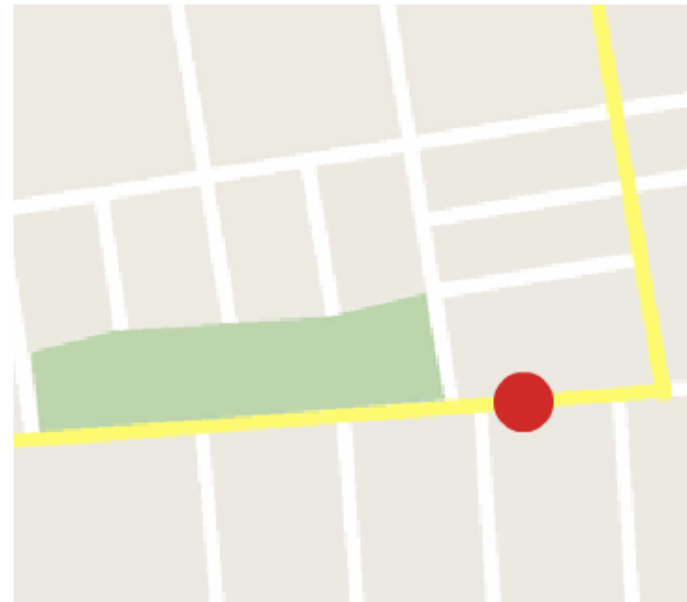
123 Main St, Toronto

Description

Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hendrerit velit non felis adipiscing congue. Praesent sagittis sapien a magna dictum lobortis. Integer pharetra, lectus nec laoreet euismod, nisi dui venenatis odio, vitae volutpat risus lorem sed magna. Cras ut neque lacus, ac lacinia nisl.

Location

4th Floor, South side

[Back to Map](#)



http://



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Submit a Report

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Name

Email

Phone

Address

Description

Location



http://



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Submission Complete!

Thank you for submitting, etc. Lorem ipsum dolor sit amet, consectetur adipiscing elit. In hendrerit velit non felis adipiscing congue. Praesent sagittis sapien a magna dictum lobortis. Integer pharetra, lectus nec laoreet euismod, nisi dui venenatis odio, vitae volutpat risus lorem sed magna. Cras ut neque lacus, ac lacinia nisi.

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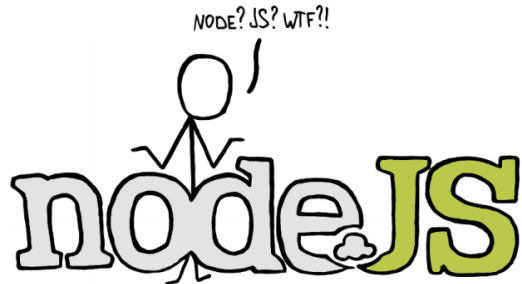


Implementation

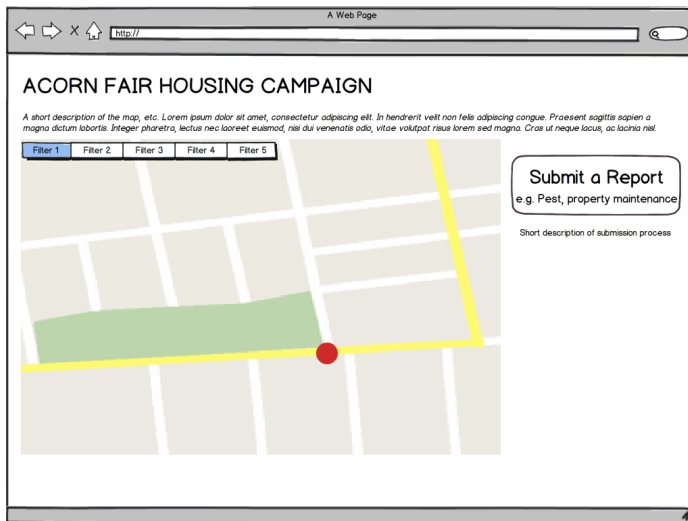
toronto.ca/open

-- building a city that thinks like the web

<XML>



CURE





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Hacking for Humanity

Product

Prototype Demo

(<http://108.166.97.76/pages/map.html>)

Future Directions

- Improved filtering and display of map data
- Bidirectional SMS Communication using OneAPI
- Compliance to Open 311 Report Standards
- Search for specific property or using criteria



Fin

Many thanks to RHoK Toronto's Organizers, Sponsors and Judges!

Implementation

- Source data from City of Toronto's Open Data Initiative (XML)
- Convert to SQLite database
- Web service in node.js server-side JS
- Mapping using Leaflet JS Library