

Fema Recovery Website


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Objective

- Creating a website that aids Fema workers locate and register properties affected by natural disasters

Approach

- Utilize the work from previous DSI students from DC and expand on it.
 - Team formed by Stevie DiSalvo, John D Hazard, Will Karnasiewicz, and Omar Raheem
 - Cleaning up website
 - Different input
 - Adding routing functionality
 - Google Maps
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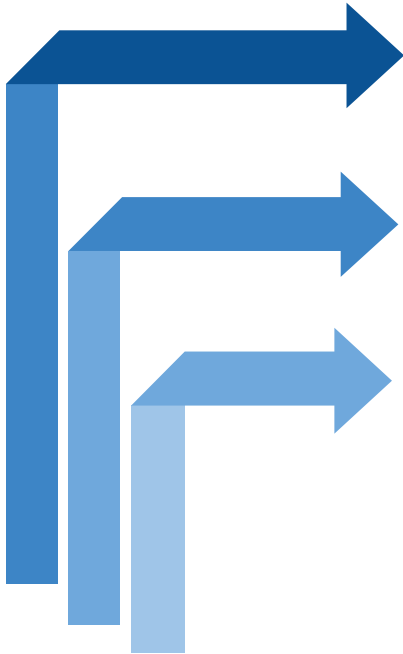
Google Ortools

- Traveling Salesman problem
- Approximate solution by ortools
- Plugs into Google Distance matrix



Google OR-Tools

Google Maps API



DISTANCE MATRIX

Takes up to 10 addresses. Returns matrix of times between each one

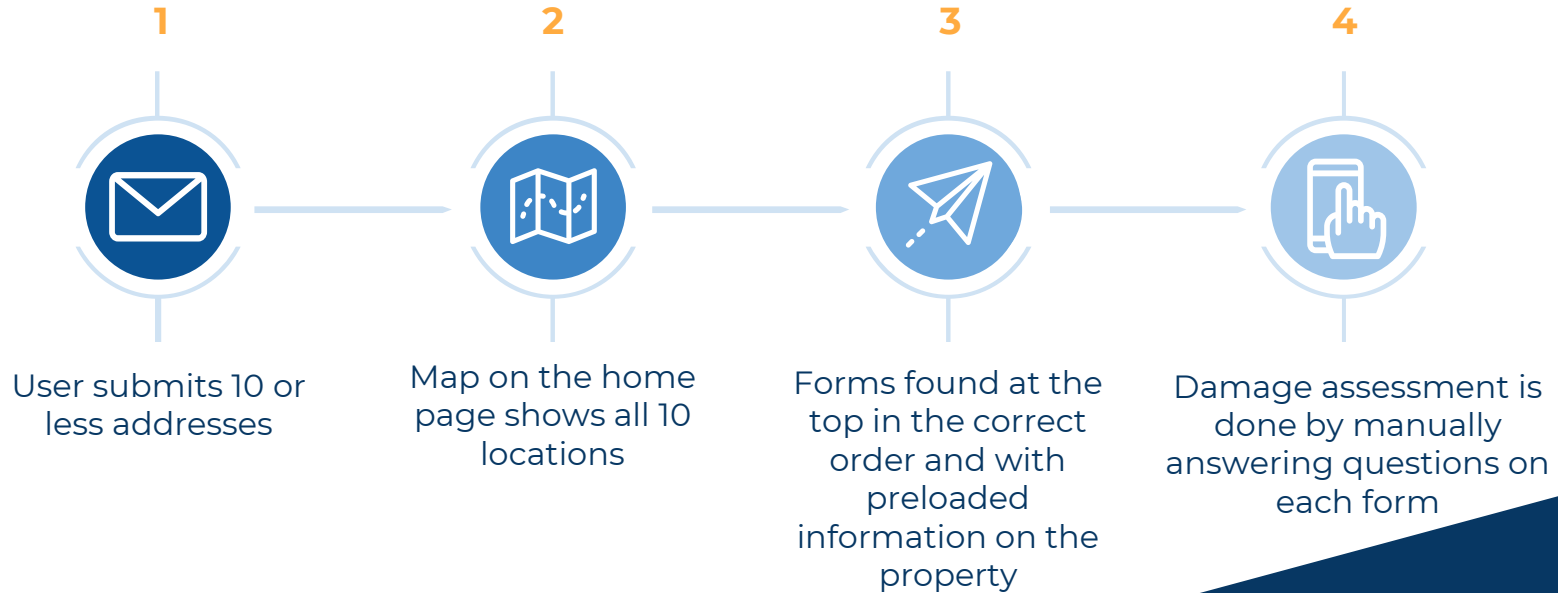
STREET VIEW

Takes one single address, outputs a static image

MAPS JAVASCRIPT API

Webpage embed functionality

User Experience Flow



Results

A decorative graphic element at the bottom of the slide, consisting of a dark blue shape that tapers to the left and a lighter blue shape that tapers to the right, creating a sense of upward movement or a rising horizon.

→ Future Steps →

- Generate final printout/report
- Offer more directions functionality
- Report metrics
- Phone App
- Fix submit button

Thank you

Questions?