Mission Briefing
Zika Epidemic
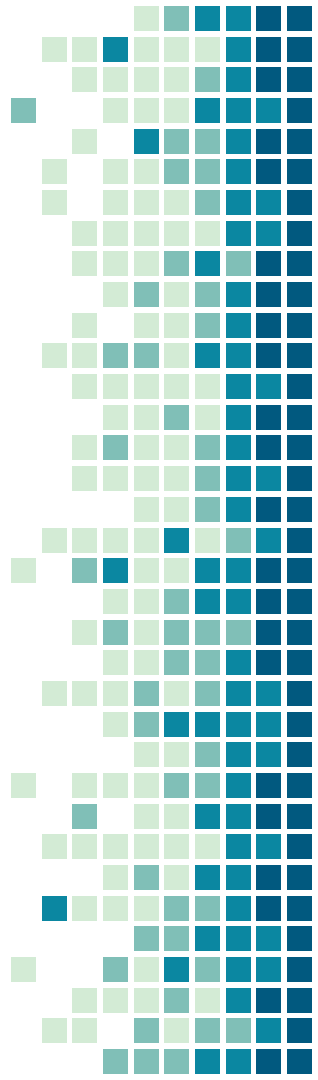
Mission 2

launch_code

March 26th, 2016

Background

Viral Outbreak Worsens in Central and South America

Scientists at the CDC are reporting that the Zika outbreak in Central and South America continues to spread.

Cases have been reported in nearly all countries including Mexico, Guatemala, Panama, Haiti, Dominican Republic, Nicaragua, El Salvador, Equador, Columbia, Argentina, and Brazil.

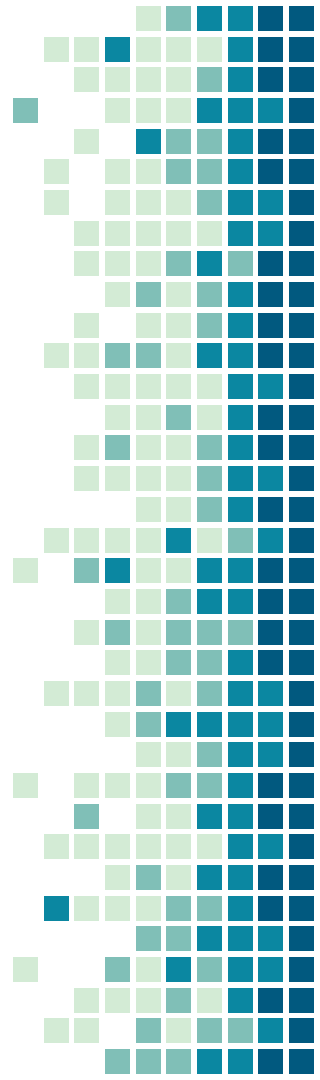*This document is for training purposes only.*

The Problem

1. New reports on the Zika outbreak are coming in daily and GIS analysts need the data as soon as the report arrives.

2. It appears that the Zika is spreading faster in certain areas. GIS analysts need to be able to visualize the infection rate on a map.

3. The records for each country vary. GIS analysts want to be able to fuzzy search to find the records that they need.

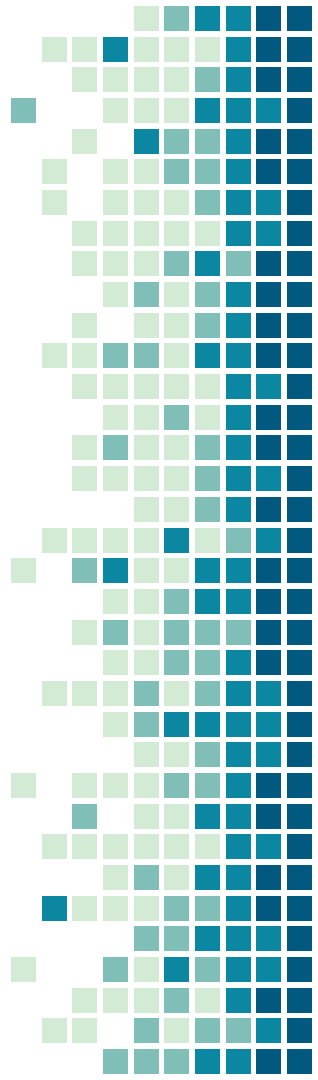*Note: Reporting format and data quality varies widely between countries.*

Mission Objectives

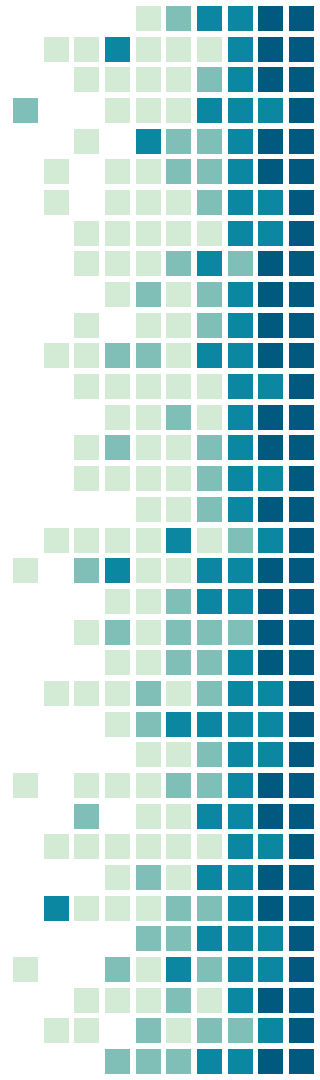**Modify the web application with the following things to meet the analysts needs.**

- Create a RESTful API to ingest new Zika reports sent by various countries. Retain all previous reports as historical data.

- Show how the number of infections in each country changes over time.

- Create a free text search using ElasticSearch that allows the user to look up report data with ad-hoc queries.

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Priorities

All REST APIs must conform to the OpenAPI standard and have proper documentation.

New reports must be automatically indexed by ElasticSearch when they are submitted via the API.

Schedule

Monday

- 9:30 Standup – What did you do yesterday? What did you do today? Any roadblocks?

Tuesday

- 9:30 Standup – What did you do yesterday? What did you do today? Any roadblocks?

Wednesday

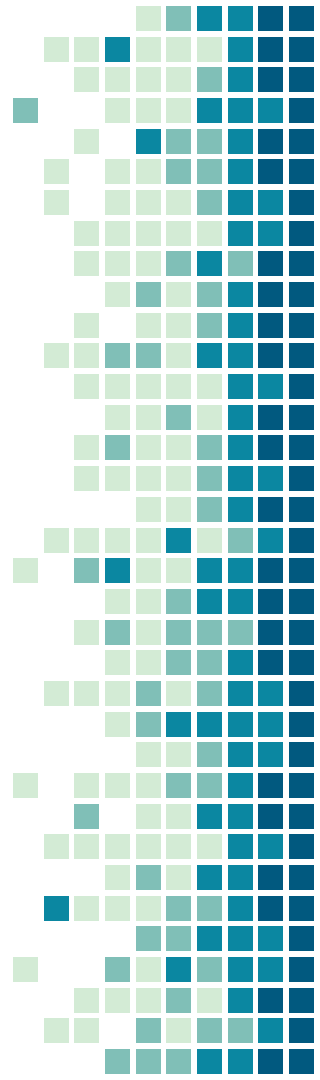- 9:30 Standup – What did you do yesterday? What did you do today? Any roadblocks?

Thursday

- 9:30 Standup – What did you do yesterday? What did you do today? Any roadblocks?

Friday

- 9:30 Standup – What did you do yesterday? What did you do today? Any roadblocks?
- Ship it.

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Questions