

Project Progress Report

Team Name: Tsunami

Team Members:

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Project Title: Visualization of Epic Earthquakes

Date: April 2, 2018

Estimate the percentage of the overall project you have completed thus far.

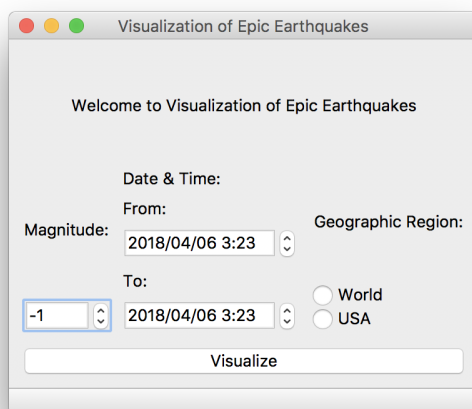
35 Percent.

We spent last two week to research the best method for map rendering and the user interface.

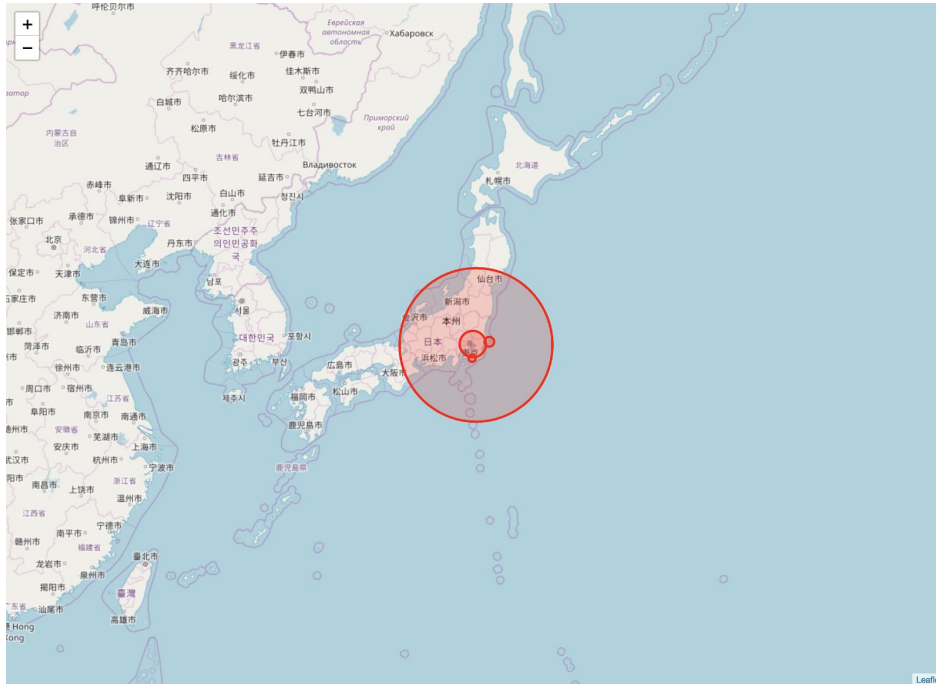
What have you completed?

We have completed the following tasks:

- Set up the project github repository.
- Retrieve and format the data within python.
- Basic GUI using Python and Qt.



- Research the best method for map rendering. Although it is still in process to find the best way to render the map, one of the method allowed us to render the map along with circles. We plan to use circle to represent each earthquake.



Create a list of what still needs to be done on the project and estimate the effort each item will take to complete.

Task	Estimated Time
Polish up the user interface	2 Hours
Find the best way to render the map	2 Hours
Sort the data.	2 Hours
Render the map with earthquake information.	15 Hours

Have you had to make any changes in your project description? If so, please list and justify the changes.

After hours of research, we found out that “timelapse” feature may be too technical in a time given. None of the map rendering libraries we have found allow us to place a marker in a chronological order. Thus, we cannot have them animated. We are considering to drop the timelapse feature. Instead, we plan to render multiple earthquakes onto a single static map.

Additionally, we may use different language/framework depending on the map rendering method we find.