

Disaster Management GUI Deployed on a Shared Environment

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Communications Technology

Osaka, Japan

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Report Due 7/30/15

Week 6 Progress

- General

- I have created a prototype data broker that is able to parse JSON datasets from the City of Chicago JSON APIs
- I have been examining different methods to create a data broker that would process data from different databases such that it will be in a readable format for my SAGE2 app
- I added some small modifications to the UI, changing it to a more cohesive and transparent to the user. I also included a text box for users to input their own URL for JSON data, but it has some compatibility issues with the SAGE2 platform

Week 7 Plans

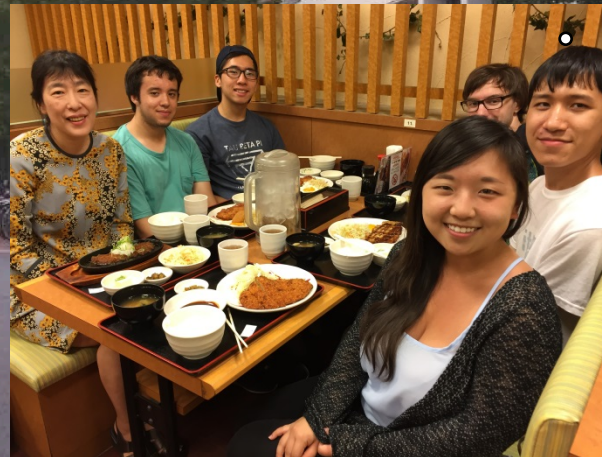
- Disaster UI
 - Continue working on the user interface within the JavaScript and ensure full compatibility with SAGE2
 - Fix the zoom-scaling with the datasets
 - Figure out a name for the APP (Soteria)
- Datasets
 - Improve the functionality of the data broker to be more universal (test with more city-specific datasets)
 - At the moment, the data broker can only parse through a defined number of JSON layers in the JSON tree for the defined keywords. I need to find a way for the broker to search in each layers without initially knowing the number of layers without the program from looping infinitely if there were no keywords existing in the dataset
 - Look at existing methods in data broker research articles

Three Weeks Left

- My hopes with this project is to complete a working prototype of the SAGE2 App that can be uploaded and run on a working SAGE2 environment server
- The problem that I am aware of is that a database that holds disaster data or law enforcement and health data over large regions is not ubiquitous or not easily accessed
- I aim to have to have a working prototype of an APP that is able to process existing accessible datasets and overlay that information on a map that can be viewed on SAGE2

Places Traveled

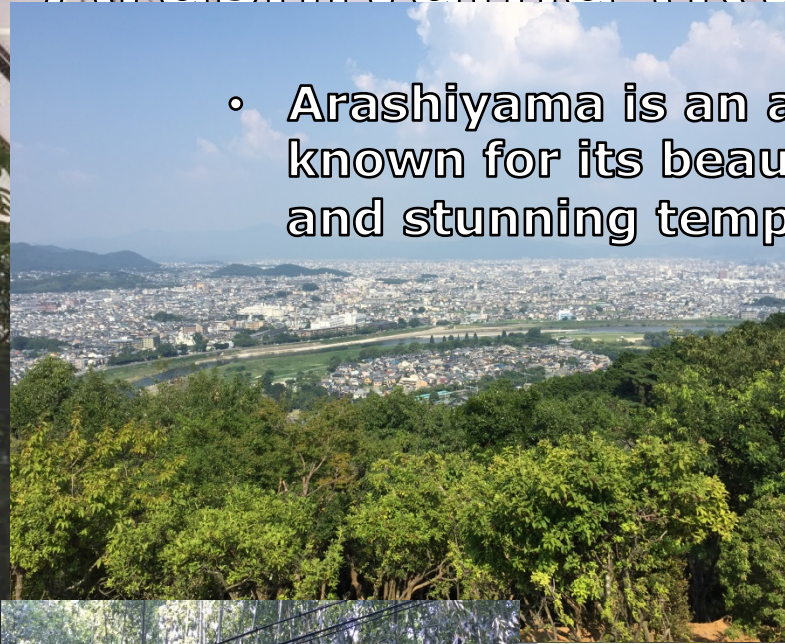
- Above is Minoh Onsen - a popular public bath that is a half-hour walk from our home. For 800 yen we were able to wash ourselves and enjoy a sauna with heated mineral waters from the mountain at different temperatures. Also, we had access to an extensive selection of entertainment ranging from Super Nintendo (SNES), manga, television, and karaoke. Definitely one of my most fun and relaxing adventure in Japan.



- Here, we are eating with Hisako-san, a teacher that Michelle and I met near the local sushi shop. The restaurant is a local café in Toyonaka

Arashivama (Kyoto Prefecture)

- Arashiyama is an area in Kyoto most known for its beautiful bamboo groves and stunning temples/shrines



Path of Bamboo



Togetsukyo Bridge



Arashiyama
Monkey Park

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