

Bandr AlSwyan, Ricky Severino  
CSC-493 Senior Capstone  
Professor Owrang  
October 9th, 2018

## **Progress Report 1**

What has been done so far is the transfer of the missing persons data from *namus.gov* website and its cleansing. We took and scraped the data from the website and fixed the data integrity issue that was present. We also collected data regarding US cities/towns. This data included city names, counties, states, as well as location coordinates. After we finished, we started adding some valuable properties and elements to the missing persons data. We added location coordinates to the file of the missing people corresponding to their last seen location so that we can represent them in the map which will come later. We started working on the website interface using the tools that was provided in the project proposal; using tools like Javascript, CSS, and HTML. We also completed a number of python scripts that helped us automate our work. These scripts were used to assist the process and the flow of work, from merge, join and switch of formats, to collecting new information like news, articles and social media feed about the missing person using their image.

What has been yet to be done are the statistics to show the relationship between variables in the missing persons data. We will create statistical analyses that will reflect a better understanding of the data. We will also create a geojson file in order to display the missing persons on the website, completion of the website, and the sorting of information upon how it will be laid and presented. We also need to complete the other pages of the website such as; disclaimer, about us, etc...