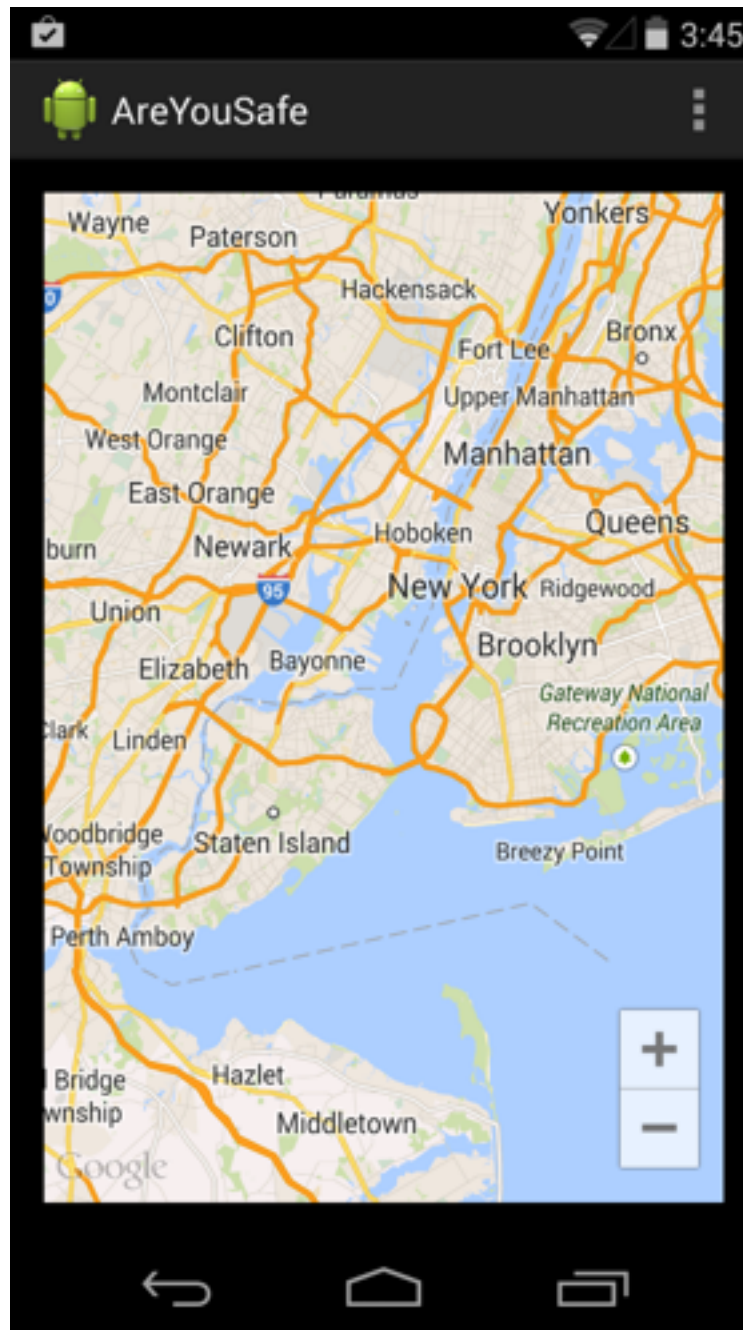

Are You Safe?

An application that determines your safety

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Concept and Title

The tentative title for our app is “Are You Safe”. The goal of creating this app is to determine the safety of a person based on the statistics of pedestrian, bicycle and motorcycle accidents. The main purpose of our app is to present a person with statistics of accidents based on his/her current location so that they can make informed decisions if they find themselves in an unfamiliar place.

Data

Data was obtained from the NYC Datamine website. The data was released by NYPD under the mayor’s Vision Zero initiative. The data came with around 400,000 records for incidents from 2012-2014. We are still deciding on how we can use the time of the incident in our application. The unusual thing about the data was that the metadata for the years decreased as the years increased.

After cleaning up the data to remove the records without latitude and longitude information, there were about 67,000 records. The data has incidents up to September 7th, which makes the data very useful. The data was cleaned and then narrowed down to three categories: pedestrian, motorists and cyclists. All data cleaning was carried out with SQL.

Sketches

Our initial mockup, shows the main feature of our app which is a map of the current location of a person and the streets surrounding the location. We want to create an app that can be easily understood and used from the first time the app is launched so with this initial mockup we are presenting the level of simplicity we hope our app will maintain.

Group Work BreakDown

Each group member has different backgrounds so to ensure that we can finish the project in time, we have decided to assign each member a role that suits their prior experience. However, these roles are fluid as we will all be discussing and helping each other. Mark is a Computer Science major who has taken capstone course and his main role in the group is to implement the android application.

Priyanka is a Geography(GIS) major and also has some programming background. Her role is to retrieve and massage the data for the application.

Anahi has taken a class an art and design course and will also be doing a student presentation on user interface so her role in the group will be to design the user interface and test the app.

The Future

We will transform our basic application into a more useful, and intuitive application. We will see if we can formulate ways to derive a basic "are you safe right now" aspect to the application rather than just showing statistical data about the incidents we have data mined.

We will also better the interface for a more seamless and less clunky interface, we feel as though there's going to be too much information displayed from our initial application. We will also look into incorporating more data such as other incident reports, we will look into this after our initial application meets our initial goals. We will also see if we can refine the data we have and provide more specified information such as number of vehicles involved in an accident.

GitHub Repository: [Are You Safe](#)