

# Run With It

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# Project Idea Overview

- \* Create a random route generator for runners/cyclists

# Goals

- \* Mapped out Upper East Side
  - \* Limited to a smaller space due to difficulty managing
- \* App on android platform
- \* Small Database for data

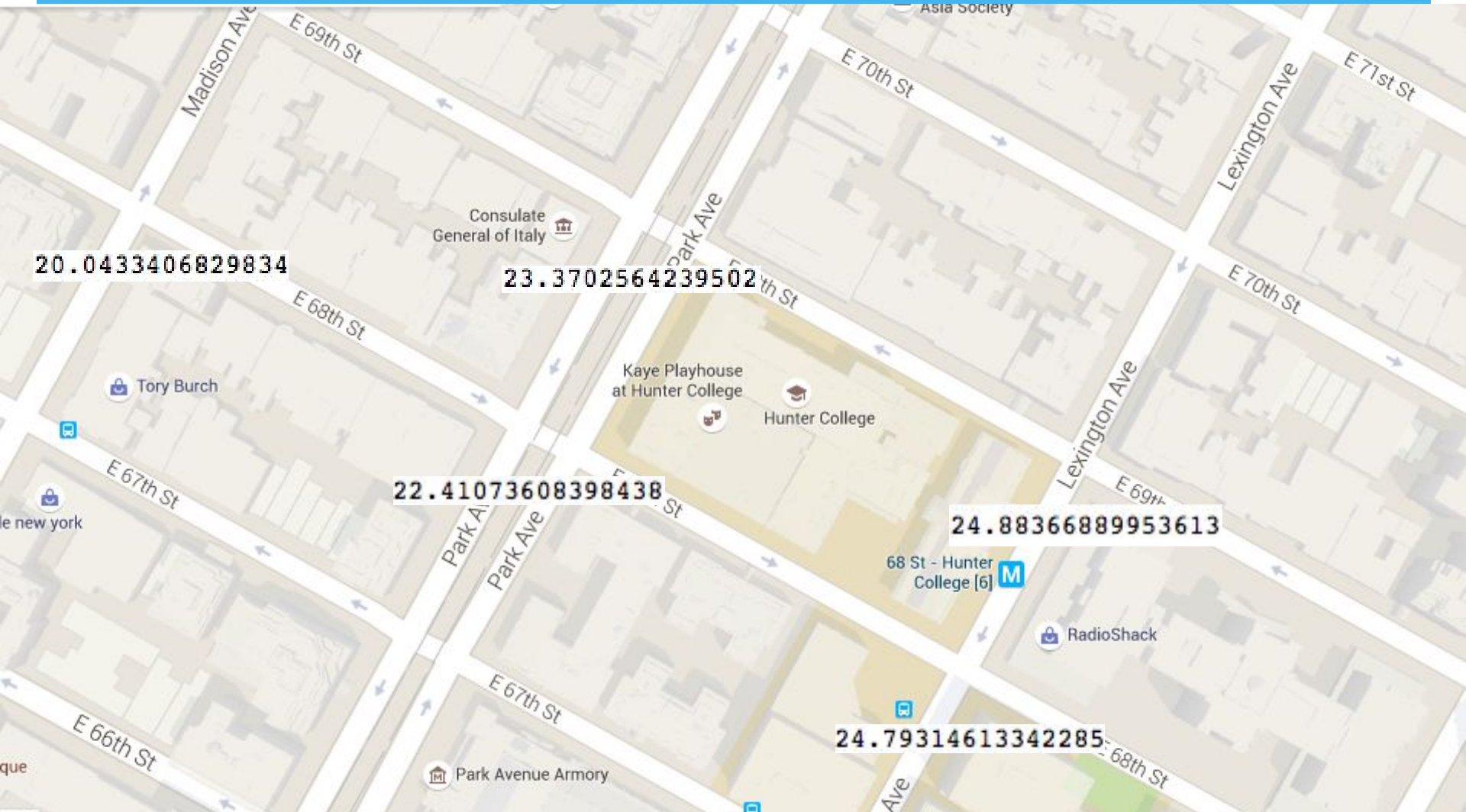
# Features

- \* Three search conditions: Distance, terrain type, and starting location
- \* User profiles
  - \* For storing preferences, starting locations, history, and ratings

# Data

- \* Using google's elevation API
  - \* All the data must be processed by hand but is rather simple to do
- \* Also using distance data from google maps

# Sample Elevation Map



# Tool

- Language:Android
- JSON for server communication
- Server Host: OpenWS REST API
- <https://github.com/Misspelled-it/Run-With-IT>

# Data Format

-Street data:

ID, latitude, longitude, elevation

-Graph data:

ID1, ID2 , distance



# Project Structure

- Log in screen
  - UserID, Password
- Main screen
  - buttons for different features
- Input of genetaring
- Display result

# Distribution

- Jerry:Android App
- Gary:Data and Server