Plotting Bus Data on Google Maps

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by Todd DeLand

Agenda

- Quick demo of Ann Arbor Bus Locator
- Get started using Google Maps!
- Add current bus location to map, using Volley
- Questions

Demo!

Get started!

- Use built-in template in Android Studio
- Get an API key
- Run in emulator

https://developers.google.com/maps/documentation/android-api/

Add bus data with Volley

- Add Volley and GSON via Gradle dependency
  - https://github.com/mcxiaoke/android-volley (not official, but for this demo, ok)
  - http://developer.android.com/training/volley/index.html (more secure)
- Import items for ease of demo (cheating)
  - Location and GsonRequest classes
  - Bus icon and string resource
- Setup Volley
  - Add internet permission
  - Use newRequestQueue
- Call location API endpoint and put icon on map
  - http://www.theride.org/AboutUs/Developer-Resources/Developer-Files
  - Send request and wait for response
- Run in emulator

Questions?

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