TODO:

1. WelcomeMenu.java
   1. Fix buttons to be square
   2. Change all background colors to blue
2. Faculty.java
   1. Set to read from local assets in [drawable]
   2. Add functionality to call or visit faculty profile
3. Courses.java
   1. Format listView to have coursecode in bold, align description to right of code
4. Find.java
   1. Format Snippet textView to look nicer
   2. Show current location [DONE]
   3. Overlay Google Navigation Path from current to stop
   4. Change pins (start=green, stop=red) [DONE]
5. DB
   1. Add ‘img\_path’ attribute
   2. Add more destinations
   3. Add more entrances
6. Misc.
   1. Import professor images to [drawable/profs]

Conner

Curtis

Rob

**https**://maps.googleapis.com/maps/api/directions/*output*?*parameters*

HTTPS is recommended for applications that include sensitive user data, such as a user's location, in requests.

**Request Parameters**

Certain parameters are required while others are optional. As is standard in URLs, all parameters are separated using the ampersand (&) character. The list of parameters and their possible values are enumerated below.

**Required parameters**

* origin — The address or textual latitude/longitude value from which you wish to calculate directions. If you pass an address as a string, the Directions service will geocode the string and convert it to a latitude/longitude coordinate to calculate directions. If you pass coordinates, ensure that no space exists between the latitude and longitude values.
* destination — The address or textual latitude/longitude value from which you wish to calculate directions. If you pass an address as a string, the Directions service will geocode the string and convert it to a latitude/longitude coordinate to calculate directions. If you pass coordinates, ensure that no space exists between the latitude and longitude values.
* sensor — Indicates whether or not the directions request comes from a device with a location sensor. This value must be either true or false.

Maps API for Business users must include valid client and signature parameters with their Directions requests. Please refer to the [Maps API for Business Web Services](https://developers.google.com/maps/documentation/business/webservices)chapter for more information.

**Optional parameters**

* mode (defaults to driving) — Specifies the mode of transport to use when calculating directions. Valid values are specified in [Travel Modes](https://developers.google.com/maps/documentation/directions/#TravelModes). If you set the mode to "transit" you must also specify either a departure\_time or an arrival\_time.
* waypoints — Specifies an array of waypoints. Waypoints alter a route by routing it through the specified location(s). A waypoint is specified as either a latitude/longitude coordinate or as an address which will be geocoded. Waypoints are only supported for driving, walking and bicycling directions. (For more information on waypoints, see[Using Waypoints in Routes](https://developers.google.com/maps/documentation/directions/#Waypoints) below.)
* alternatives — If set to true, specifies that the Directions service may provide more than one route alternative in the response. Note that providing route alternatives may increase the response time from the server.
* avoid — Indicates that the calculated route(s) should avoid the indicated features. Currently, this parameter supports the following two arguments:
  + tolls indicates that the calculated route should avoid toll roads/bridges.
  + highways indicates that the calculated route should avoid highways.

For more information see [Route Restrictions](https://developers.google.com/maps/documentation/directions/#Restrictions) below.

* language — The language in which to return results. See the [list of supported domain languages](https://developers.google.com/maps/faq#languagesupport). Note that we often update supported languages so this list may not be exhaustive. If language is not supplied, the service will attempt to use the native language of the domain from which the request is sent.
* units — Specifies the unit system to use when displaying results. Valid values are specified in [Unit Systems](https://developers.google.com/maps/documentation/directions/#UnitSystems) below.
* region — The region code, specified as a ccTLD ("top-level domain") two-character value. (For more information see [Region Biasing](https://developers.google.com/maps/documentation/directions/#RegionBiasing) below.)
* departure\_time specifies the desired time of departure as seconds since midnight, January 1, 1970 UTC. The departure time may be specified in two cases:
  + For Transit Directions: One of departure\_time or arrival\_time must be specified when requesting directions.
  + For Driving Directions: Maps for Business customers can specify the departure\_time to receive trip duration considering current traffic conditions. Thedeparture\_time must be set to within a few minutes of the current time.
* arrival\_time specifies the desired time of arrival for transit directions as seconds since midnight, January 1, 1970 UTC. One of departure\_time or arrival\_timemust be specified when requesting transit directions.

Either the arrival\_time or the departure\_time parameter must be specified any time you request transit directions.