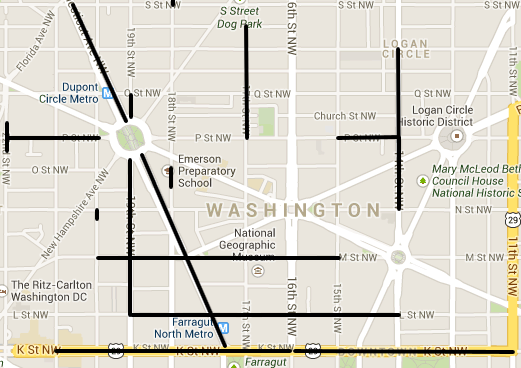
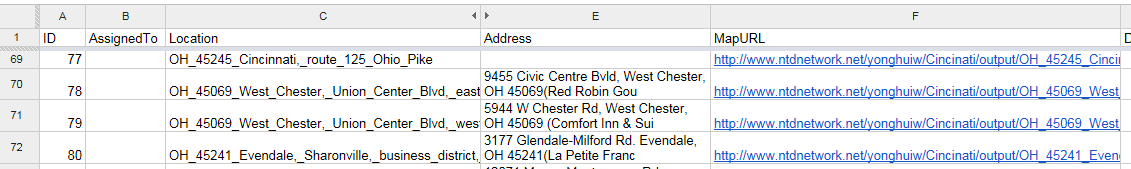
# Use Google Map/Doc to plan for Poster Hanging

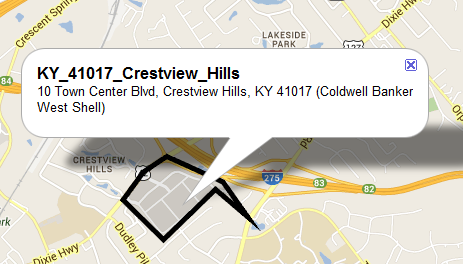
We can use google map to draw lines, to show people where we plan to visit. For example:



After drawing lines on the map, we can run a script, to automatically put those lines into a google excel doc, with each row represent one or more roads ( shopping centers), to represent a task that need one person( or team) to visit. For example:



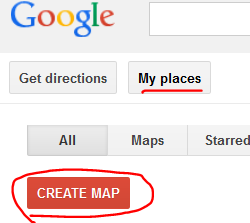
When we click the MapURL for a certain row, it should open a picture that only show this road:



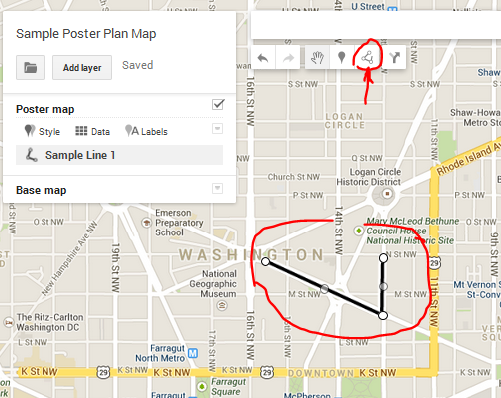
Following is the steps of how to do this.

1. We need to have gmail account, (get gmail and passwd ready)
2. Login to google map: ( <https://maps.google.com/>)

Go to “My Places”, click “CREATE MAP” to create a map for poster plan

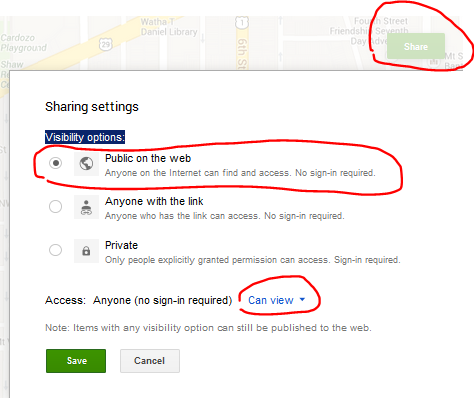


1. After create the map, we can draw line on the map.

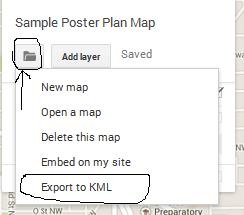


1. Get the KML link related with this map ( we name it KML\_URL\_LINK):

* First, need to share the map and make it public. Click the “Share” button on the upper right corner of the map. And choose “Public on the web”, make it anyone can View. Save it.



* Click the file folder icon, and choose the “Export to KML”



* Check the “Keep data up to date with network link KML, and save it to local disk, such as:

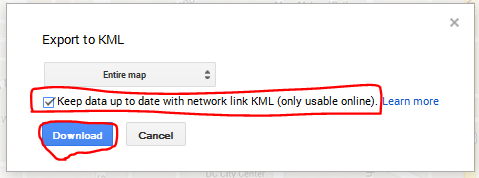
C:\Users\a\_user\Downloads\Sample Poster Plan Map.kml

Open the file, you should see line like:

http://mapsengine.google.com/map/kml?mid=z5QeVGweEEJc.k-caD8e44SJw

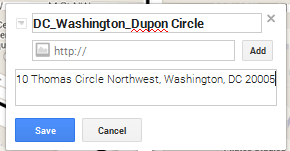
this is the KML link related with this drawing map ( please see following picure)

we will use name GOOGLE\_MAP\_KML\_URL to represent this value.



1. Now, we can draw line on the map, when we draw line, we should follow the name convention:

The line name, should be State\_City\_Description, example:



In the Description box, we should fill in one address that can find this line using GPS

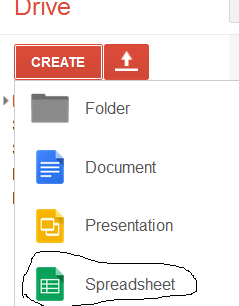
When we draw lines, we can assign 2 lines as the same name, for example, 2 different lines both named as ‘DC\_Washington\_Dupon Circle’, then these 2 lines will be grouped together as one assignment. 2 different line can have different addresses.

1. After we have drawn the map, now we need to convert the map into the google excel doc.

Login to

<https://drive.google.com/>

use the same google gmail and passwd, we can create a new spreadsheet:



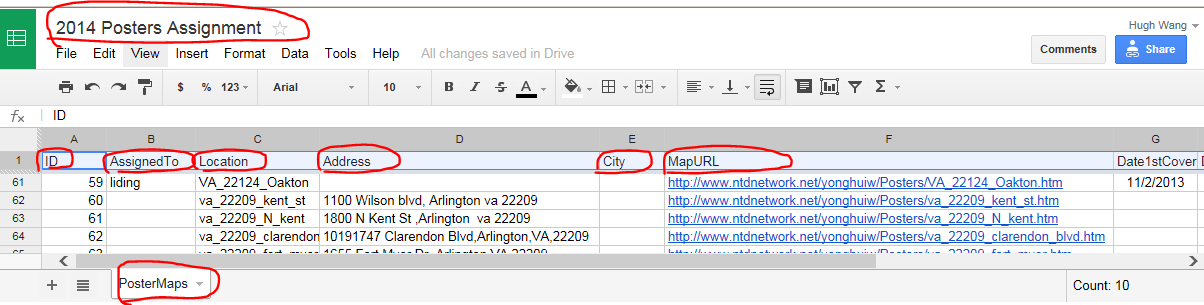
After create the Spreadsheet, we gave it a name, and for the first tab , we also gave it a name,

Spreadsheet name: 2014 Posters Assignment

Tab name: PosterMaps

We also need to create following fields for the excel doc:

ID, AssignedTo,Location,Address,City,MapURL,(and other fields that we want to add)



1. Now, we are ready to run convert script

Fill in the config.txt, with following values:

GOOGLE\_MAP\_KML\_URL=http://mapsengine.google.com/map/kml?mid=z5QeVGweEEJc.kcdlUXNVeGRM

GOOGLE\_GMAIL=xxxxx09@gmail.com

PASSWORD=abcdfxxx

GOOGLE\_DOC\_SPREADSHEET\_NAME=2014 Posters Assignment

GOOGLE\_DOC\_SPREADSHEET\_TAB\_NAME=PosterMaps

OUTPUT\_FOLDER=output

WEB\_URL\_FOR\_STORED\_MAP=http://www.something.net/someuser/Posters

Run script : googlespread.pl

To be able to run

Perl googlespread.pl, you need to install ActivePerl and 2 perl modules.

Please download ActivePerl if you do not have perl installed:

Download, unzip and install ActivePerl

<http://www.ntdnetwork.net/yonghuiw/Software/perl589.zip>

after installed Active Perl, open a command line windows, and run:

ppm install Net-Google-Spreadsheets

ppm install Template

please unzip the current zip file into a folder, such as:

D:\google\_draw\_map\_tool

then you can open a command line window, change directory to D:\google\_draw\_map\_tool

and run

perl googlespread.pl

Some html file and txt file will be generated into the output folder

Now, you can use the ftp tool to load those htm and txt file into the ftp site, related with the location: <http://www.something.net/someuser/Posters>

**Please also load the 2 foldes , src, icons into the same ftp location .( you only need to load them once), you can find them in the output folder in the zip file.**