

CST7284 – Hybrid Test #5

Due Date: Aug 10, 2022

What to submit: <YourName_LatLong>.kml (ex. MichelChoueiry_LatLong.kml)

Challenge

This is an easy lab. All you need to do is take the output of Assignment#4 (LatLong.csv) and import it into Google Earth program to display the addresses on the map. Generate a .kml file and submit it.

Steps:

1. Download Google Earth Pro (GE) at <https://www.google.ca/earth/download/gep/agree.html>
2. Install it on your computer
3. Take note of the location (path) of LatLong.csv file
 - Rename it to <YourName_LatLong>.csv (ex. MichelChoueiry_LatLong.csv)
 - This file should have 10 to 15 unique entries (lines)
 - If you did not manage to reach this point in Assignment#4, you can create this csv file manually by following the format described in Assignment#4 and generating Lat/Long for real addresses in Ottawa area using Google Maps
4. Launch GE and invoke the following:
 - File -> Import
 - Locate your LatLong.csv file
 - Do you want to apply a style template to the features you ingested?
 - Yes
 - Style Template Settings
 - Name: Set name field: Name
 - Color: Use single color: pick a color
 - Icon: Set icon from field: Select icon field: Icon
 - Do not change any value under Bucket options
 - Height: Set height from field: Select height field: IconAltitude

- Do not change any other value
- OK
- Save Template
 - Save file as YourName_LatLong.kst
- Once you save it, you will see an entry under Places within GE listed under Temporary Places -> YourName_LatLong.csv
 - Select YourName_LatLong.csv and you should see all the addresses popping up on the map
- File -> Save -> Save Places As
 - Save file...
 - File name: make sure it is YourName_LatLong
 - Save as type: Kml
 - Take note of the location where you are saving the file (or browse to where you need to save it to)
 - Click on Save
- 5. Submit YourName_LatLong.kml file through BS (If your filename is not in the naming format required, points will be deducted; i.e. YourName_LatLong.kml)

Close GE. Double-clicking the .kml file generated should open GE with all the addresses loaded in it and displayed on the map.

In order to understand the meaning of the last three values in your .csv file, you can visit the following website: <http://www.earthpoint.us/ExcelToKml.aspx>

Bonus 2 points of your final mark: Display all these addresses in a browser using <http://leafletjs.com/examples.html> as a guide (or any similar framework of choice).

- Deadline for bonus section is Aug 16, 2022
- Only **COMPLETE** and working solution will be accepted. No partial solution and only submission by email
- What to submit: full javascript/typescript (or any related web language) code, any relevant files and a readme.txt document that describes how to run your code to produce a browser-based map that should have all these 10-15 addresses loaded in it. Everything zipped up in a .zip file with the following format

- **YourName_HT5Bonus.zip**
- If you intend to do the bonus, download this instruction pdf file locally. I won't have the time to email it to you individually since I will be busy correcting Test1 and Final exam and finalizing the course!