Class Activity Week 3
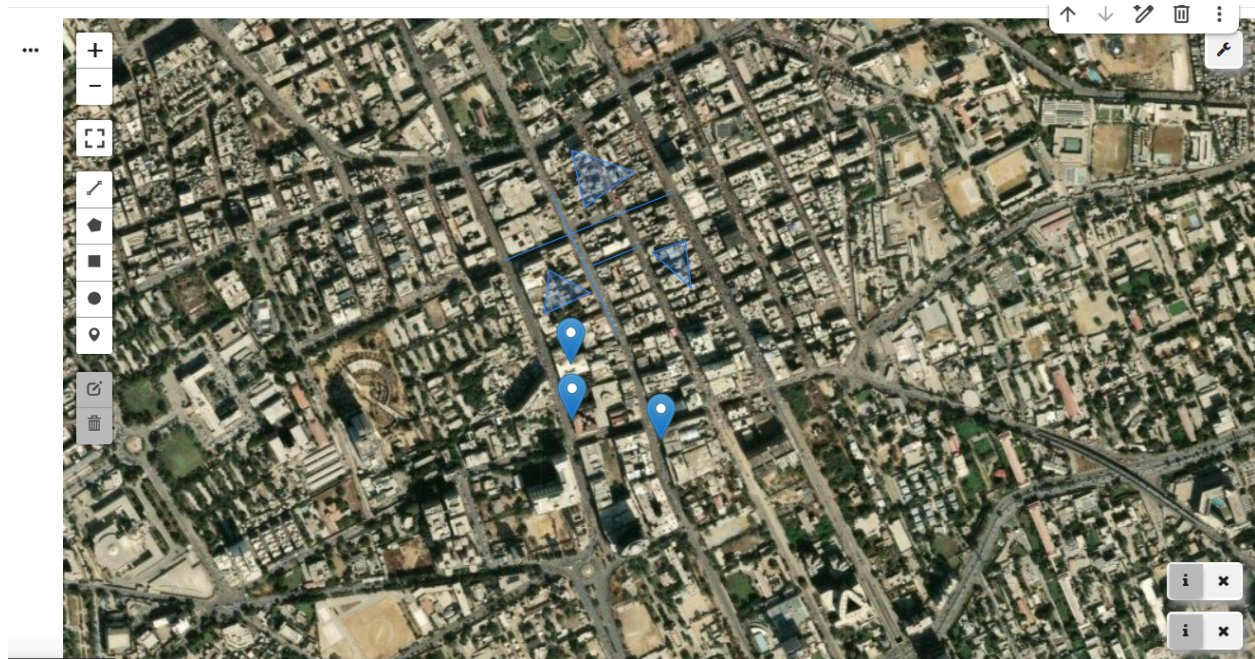
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Map:

Code:

```
[ ]        !pip install geopandas

[ ]        !pip install leafmap

[ ]        !pip install mapclassify

[ ]        from google.colab import output
           output.enable_custom_widget_manager()

[ ]        import pandas as pd
           import geopandas as gpd
           import leafmap
           from shapely.geometry import Point

[ ]        geojson_file = '/content/point_layer.geojson'
           Malls_gdf = gpd.read_file(geojson_file)
           display(Malls_gdf)
           print(type(Malls_gdf))
           print(type(Malls_gdf.geometry))


[ ]        geojson_file_line = '/content/line_layer.geojson'
           Roads_gdf = gpd.read_file(geojson_file_line)
           display(Roads_gdf)
           print(type(Roads_gdf))
           print(type(Roads_gdf.geometry))


[ ]        geojson_file_polygon = '/content/polygon_layer.geojson'
           Areas_gdf = gpd.read_file(geojson_file_polygon)
           display(Areas_gdf)
           print(type(Areas_gdf))
           print(type(Areas_gdf.geometry))


[ ]   ▶    m1 = leafmap.Map(center=(24, 70), zoom=5)
           m1.add_basemap('HYBRID')
           #m1.add_geojson(geojson_file, layer_name='Stadiums')
           m1.add_gdf(Malls_gdf, layer_name="Malls")
           m1.add_gdf(Roads_gdf, layer_name="Roads")
           m1.add_gdf(Areas_gdf, layer_name="Areas")
           m1
```