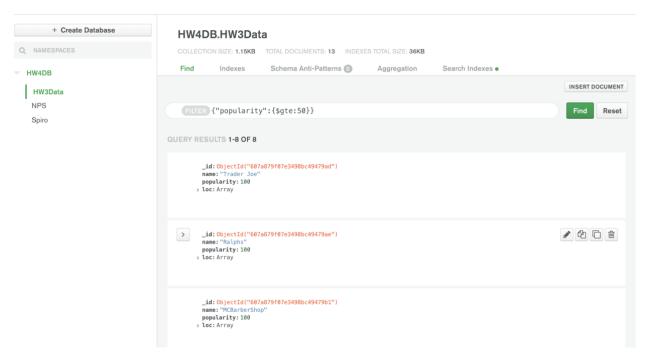
# CSCI585 HW 4 rubrics

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## Question1:



+1 if name, popularity, and loc are correctly displayed in the screenshot and the query is correct.

## Question2)



- +0.5 for correctly showing the chart type as shown in the above screenshot.(ANY chart type including non-spatial ones such as heatmap is fine)
- +0.5 for correctly display of all the points on the Map/Chart.

## Question3:

Example of what the query should look like:

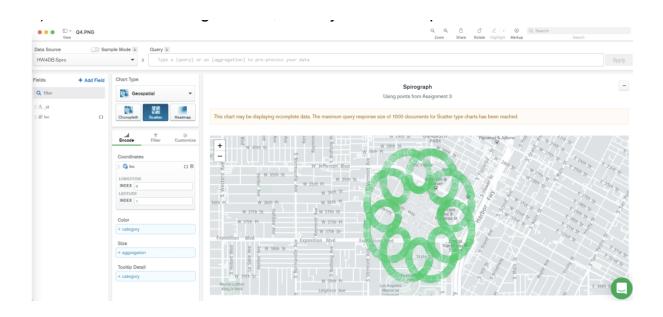
```
Query i { loc: { $geoWithin: { $box: [ [34.022, -118.288], [34.033, -118.283 ]] } }}
```

0.5 for correct query, else 0

0.5 for correct display: Screenshot should show northern half of the 13 points (6/7 points)

Corner case: Some set of points may be hard to split exactly in half in which a different number of points is acceptable. 0 in case of choosing some other orientation (e.g. south) 0 in case a chart type is chosen that does not allow the visualization of the locations

## Question4:

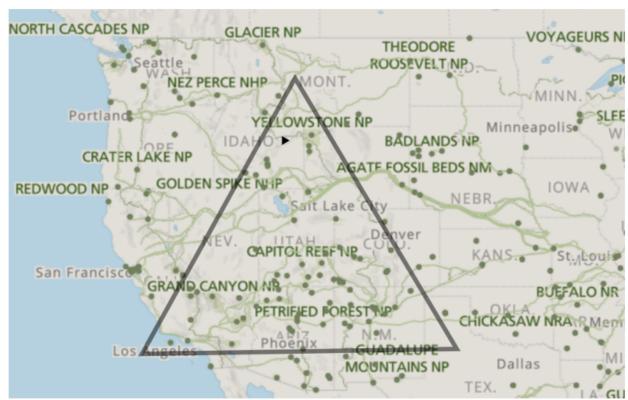


+1 for bring in some locations, screen shot

no need for the sampled locations, just the Spirograph points showing up will do

5)

This is the example of a triangle provided in the homework, but the size of the triangle can be any size. Should be as equilateral as possible.

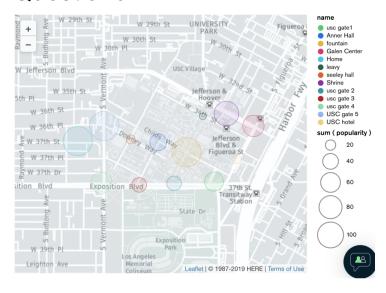


+0.25 for providing a triangle. Any form to represent the triangle should be fine, They can screenshot their code like this

```
Query i {loc:{$geoWithin:{$polygon:[[-115,36],[-120,33],[-123,33]]}}}
```

students can screenshot the overimposed one on a map, they can specify the coordinates of three corner, or three line function, +0.25 for output at least a correct single location in the triangle by their query +0.5 output all correct locations in the triangle and screen shot them. PS: no need to show the triangle overlaid - just the contained (in the triangle) points will do.

## Question6:



+0.5 for using the correct style

+0.5 for using the 'Size' aggregation so that the location size is displayed in various sizes