CSCI 585 HW3 Rubric

Q1: 13 selfies (2 points)

Rubric 1

deduct 2: No selfie pictures
deduct 1: 0 < Number of selfie pictures < 13
Note: If face is not included in the selfie, at least ID or some part of them should be present in the selfie. Otherwise deduct points according to the criteria above.
No points awarded for submitting the files correctly (so that the total adds up to 6).

13 locations:
Either (on campus student)
1 location for: home/apartment/dorm room
12 locations: two depts, from six schools.
or (for DEN student, live abroad/away from campus)
1 location for: residence or work
12 locations: six categories (eg. park, bike rack, coffee shop, museum, restaurant...), and get two locations for each.

Q2: your .kml file from step 5 above - with the placemarks, convex hull and nearest-neighbor line segments (1 point)

Rubric 2

placemarks
It should be 13 different GPS locations (details described in rubric 1).

deduct 0.3: 0 location
deduct 0.1 points if locations in [6, 13)
deduct 0.2 points if locations in (0, 6)

- Should have a convex hull mapped (The convex hull should contain all 13 points and a few should be on the boundary). Incorrect deduct 0.3

Should have four line segments of four nearest neighbors from their home location.
deduct (number of missing or incorrect line segment) * 0.1

Q3: * a text file (.txt or .sql) with your two queries from step 5 - table creation commands (if you use Postgres and directly specify points in your queries, you won't have table creation commands, in which case you wouldn't need to worry about this part), and the queries themselves (2 points)

Rubric 3

General suggestions: If you are not sure if the answer is correct or not, try to run the queries.

compute the convex hull (1 point)

deduct 0.5: only table creation
deduct 0.5: convex hull generated incorrectly.

compute the four nearest neighbors (1 point)

deduct 0.25 for each wrong nearest neighbor.

Q4: * screengrabs from steps 3,5 (1 point)

Rubric 4

Google Earth with .kml file (0.3 points)
deduct 0.1 points if locations in [6, 13)
deduct 0.2 points if locations in (0, 6)
deduct 0.3 points if no locations present

Convex Hull (0.3 points)
deduct 0.3 points if convex hull is incorrect

Four Nearest Neighbors Line segments (0.1 points * 4)
deduct 0.1 points for each incorrect or missed line segment

Q5: * a .html file (with the OpenLayers code) from step 6, or a CodePen/jsfiddle link (1 point)

Rubric 5

General suggestions: To verify the correctness of localStorage (setItem and getItem) usage, try localStorage.removeItem at the beginning of javascript code.

Browse the .html file (or CodePen/jsfiddle link in a README file) via browser (1 point)
deduct the whole 1 point if nothing appears (blank page) or did not use OpenLayer API

Map appears correctly (0.2 points)
deduct 0.2 points if only locations appear, but the map is not displayed correctly

Number of locations (0.2 points)
deduct 0.2 points if the number of locations on the map is not 13

localStorage usage (0.6 points)
deduct 0.3 points if localStorage.setItem fails (or using other methods to set the data)
deduct 0.3 points if localStorage.getItem fails (or using other methods to get the data)

Q6: * your Spirograph point generation code, the resulting .kml file ("spiro.kml"), shapefile (this needs to be a .zip) and a screenshot (1 point)

Rubric 6

Spirograph generation code (0.2 points)
deduct 0.2 points if this file is missing or empty

Resulting .kml file (0.2 points)
deduct 0.2 points if this file is missing or empty

Shapefile in .zip (0.2 points)
deduct 0.2 points if this .zip is missing or empty

screenshot (0.4 points)
deduct the whole 0.4 points if this file is missing.

deduct 0.2 points if the center of the curve is not Tommy Trojan;
deduct 0.2 points if the curve does not look like any of the images below: