Practice Work 6

Actually, I did not find the requirement to submit a report in the assignment document. I wrote this document just to record what I had done in PW6.

Trial:

1) Always start with the center of UTD.

Graphical user interface, application, map

Description automatically generated

2) Central Martet: 320 Coit Rd

Map

Description automatically generated

3) the University of Texas at Dallas: 800 W Campbell Rd

Graphical user interface, application, map

Description automatically generated

4) Tom Thumb: 3411 Custer Pkwy

Graphical user interface, map

Description automatically generated

However, since I live nearby, I know that there is a pharmacy inside Tom Thumb. If I zoom in and search again, I got the bottom result.

Map

Description automatically generated

Map

Description automatically generated

The pharmacy in Tom Thumb shows up, but the CVS disappears. I think here might exists some special algorithm. Just to make sure that I did not mistake the unit of radius:

Graphical user interface, text, application, email

Description automatically generated

Appendix:

1. Protection Mechanism.

Graphical user interface, application

Description automatically generated

I defined two block of code to prevent from submitting an empty address.

1) Set button unable;

2) Check the val() of #address before calling geocodeAddress.

2. Set the height to fill the whole screen.

Use jQuery to redefine the height of map.

3. Clear the markers before next search.

I mainly refer to the bottom link.

https://developers.google.com/maps/documentation/javascript/examples/marker-remove