

Web Programming Languages - Practice Work 6

On an html page, provide a textbox for the user to enter an address. When the user clicks on the “Search” button:

Using Google Maps API, first find the latitude and longitude for the given address (Geocoding Service) and then find all nearby pharmacies (within 1500 meters) for that latitude and longitude (Places Library, nearbySearch function).

Resources:

<https://developers.google.com/maps/documentation/javascript/tutorial>
<https://developers.google.com/maps/documentation/geocoding/start>
<https://developers.google.com/maps/documentation/javascript/places>

Geocoding example:

<https://developers.google.com/maps/documentation/javascript/examples/geocoding-simple>

Note:

You will need a valid API key for using Google Maps. Please do not use the one given in hands-on example. Follow the instructions below to create a new API key. When you create the key, it gives you \$300 credit for free trial and \$200 recurring credit for each month. You can share your key with a trusted circle of friends (so that not everyone will need to create a key and give their credit card number).

<https://developers.google.com/maps/documentation/javascript/get-api-key>

Deliverables

Screenshots for search results for 2 different addresses

Source file(s) – PW6-yournetid.zip