

Test plan

First step is finding the exact address and latitude and longitude of "Sebilj" in Sarajevo via Google Maps Platform.

Second step is sending HTTP requests to Geocoding API and waiting for responses (one for geocoding and other for reverse geocoding).

Then we can write test cases for Geocoding and reverse Geocoding API.

Geocoding:

Test case 1: Has the resource been fetched? Has the resource been transmitted in the message body? This will represent a smoke test, because without this we can't do anything else.

Test case 2: Does the response include results (json type)?

Test case 3: Are the latitude and longitude from the response equal to those we found on Google Maps Platform, for the same address?

Test case 4: Is the address from the response equal to the address we found on Google Maps Platform?

Test case 5: Are the information we can attach during submitting request (like Sebilj+Sarajevo) actually the exact address?

Reverse geocoding:

Test case 1: Has the resource been fetched? Has the resource been transmitted in the message body? This will represent a smoke test, because without this we can't do anything else?

Test case 2: Does the response include results (json type)?

Test case 3: Is the address from the response, which we got by sending the latitude and longitude, equal to the address we found on Google Maps Platform (for Sebilj)?

Test case 4: Is the address from the response, which we got by sending latitude and longitude, equal to the address of street where Sebilj is located.