

The problem is simple. I used this zippopotam API <https://www.zippopotam.us/>

The API is good because it supports a wide range of countries and zip codes. However, it fails to identify many locations. In those cases where the API fails to return a valid GPS, I just put (9999 , 9999) as long and lat.

In this problem, the lat and long of a location will be very likely to remain the same in the long future. So, we might not need to update that GPS too frequently. Probably just once a year is enough.

For the implementation details, please look at the code for more information.