Corona CyberCrime detection

Microservices Demo

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Scenario

- No of cybercrimes after the onset of Corona has been increasing
- Fraudsters conveying wrong informatio

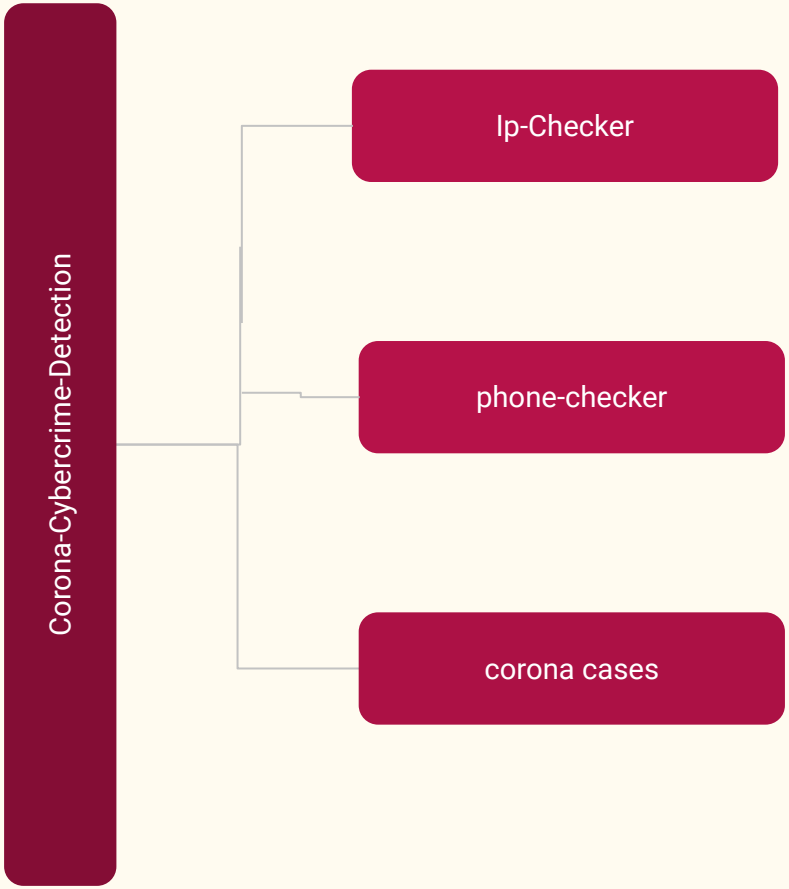
Objective

- Build a simple API that returns the actual number of cases
- Given, a number or IP address determi the cases corresponding to their locatio

APIs Used

- https://api.ipgeolocation.io/
  - To get the location given the ip address
- https://apilayer.net/api/
  - To get information from a phone number
- https://github.com/M-Media-Group/Covid-19-API
  - A simple api to fetch the latest number of Corona cases in a particular region

Microservice Architecture



Gives information about the ip address passed as parameters

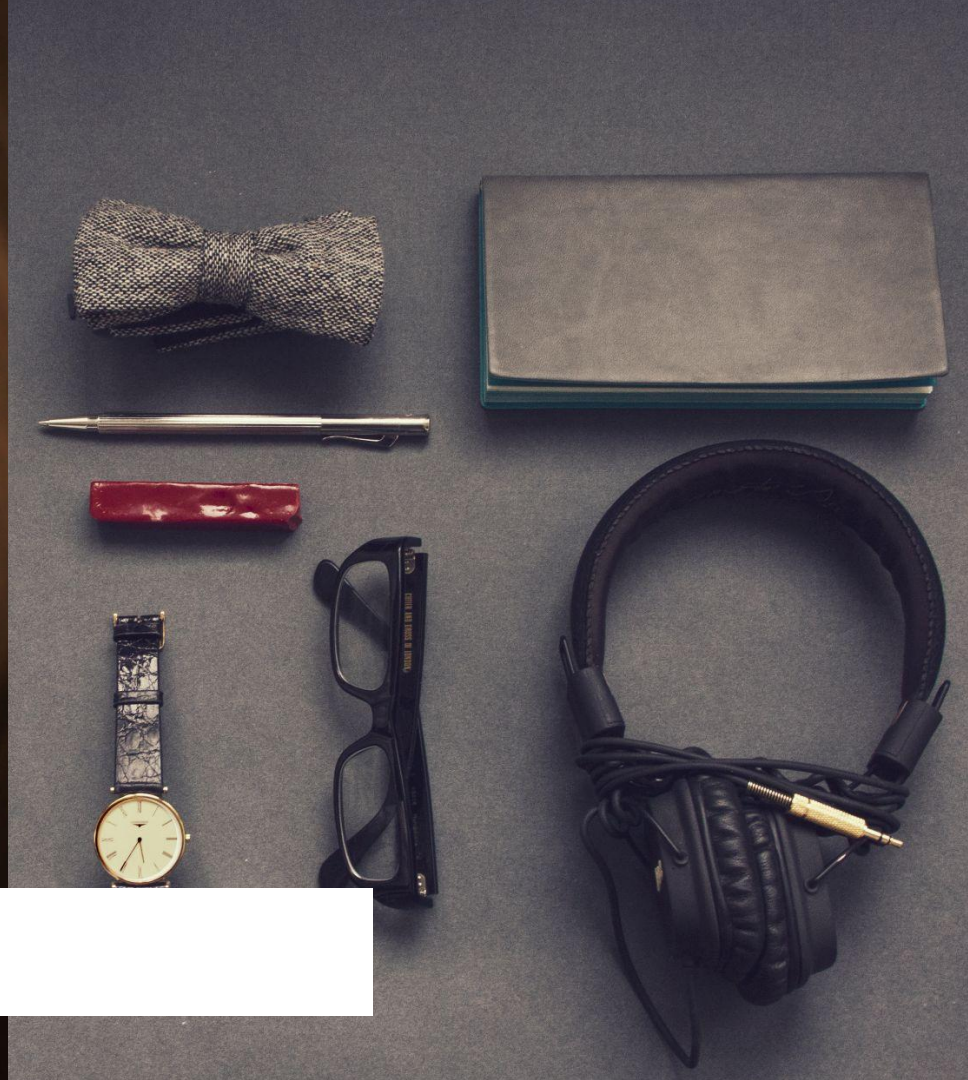
Gives information about phone number passed as parameters

Gives information about corona cases given country and status(Confirmed, Deaths or Recovered)

Demo

REST Principles here

- Stateless
  - Each request from client to server must contain all of the information necessary to understand the request, and cannot take advantage of any stored context on the server
- Uniform interface
- Layered System
  - Each component cannot “see” beyond the immediate layer with which they are interacting.
- Code-on-demand
  - Allows to be extended and used as a service



The experiment

Thank you