Python (3.7)
Scripts generate values based off keywords

Generated response sent via SMS to user

Location based Covid-19 reports **or** Zip code compatibility **or** Subscribe for daily reports in your location **or** Latest Covid-19 **or** CDC tips & advice on how **else**

Welcome to the *Covid-19 Helpline*.

- Text '**Advice**' to get information on how to protect yourself from Covid-19.

- Text '**News**' to get the most popular daily news article about Covid-19.

- Text your **country**, **state**, **city name**, or **zip code** to get the latest available report on Covid-19 in your area.

- Text '**Subscribe**' followed by country/state name to receive the most up to date Covid-19 count report from John Hopkins as soon as it is released.

- Text '**Initiative**' to learn more about our work and our mission to fight coronavirus.

- Text '**Stop**' to opt out.
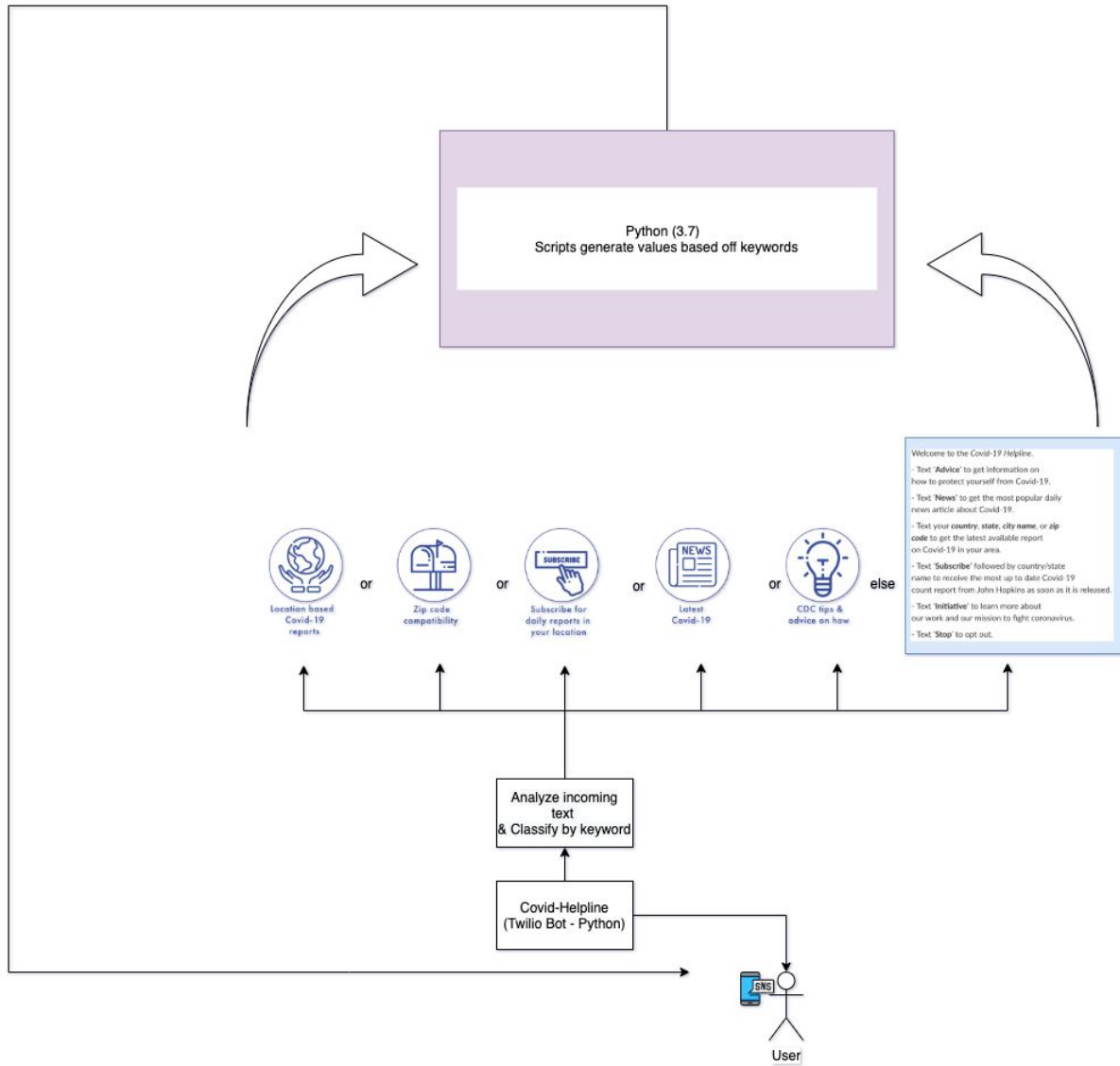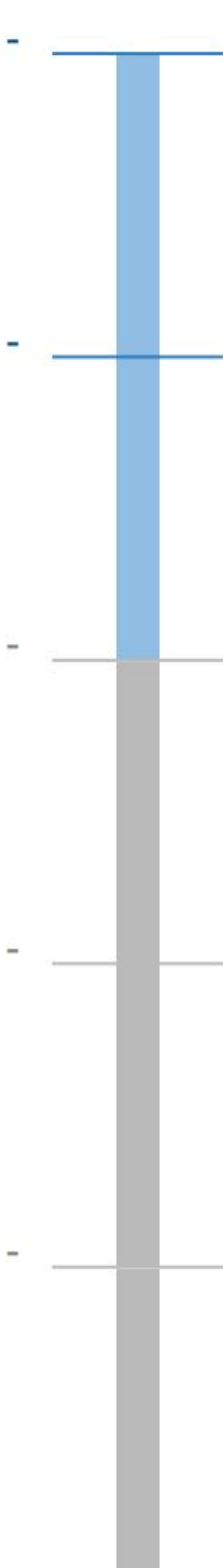
Analyze incoming text & Classify by keyword

Covid-Helpline (Twilio Bot - Python)

User

Source of Data

Rate Calculations: John Hopkins Data Source
Advice: CDC Guidelines & advice
News collected through API calls.

Scripts

Python code searches and pulls new data published by
John Hopkins.

Data Transfer

Data is pushed into Covid-Helpline repository.

Scripts

Python code sorts and calculates rates: **Confirmed
cases, Growth rate, Recovered cases, and Confirmed
deaths,** from previous date.

Subscriptions

User has options to opt into getting daily reminder for
Changes in daily rates in their subscription area.