COMP47250: Team Software Project

Team Rocket
Challenge 1: COVID-19

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Project Objectives

Creation of a **Web-based Chatbot Application** which would enable us to solve user queries regarding COVID-19. We aim to create more awareness among people by letting users directly interact with the chatbot which uses trusted sources to gather information.

We plan to achieve two paramount features

CHATBOT

A chatbot which would answer user's queries pertaining to the ongoing COVID-19 Pandemic.

E.g. Symptoms of COVID-19?

INTERACTIVE MAP

An interactive map-based feature deploying visualizations that provide statistics about COVID-19 of various countries.

E.g. Total cases? Active cases?

Project Plan

▶ **<u>Milestone 1</u>** **[30th June, 2020]**

Chatbot with the ability to answer predefined user queries with the world map being functional at a basic level.

▶ **<u>Milestone 2</u>** **[11th August, 2020]**

A higher implementation of the chatbot with the ability to interact with the user and answer a few customized user queries. World map would contain information regarding the statistics of COVID-19 for each country.

Roles

▶ **Aditya**
Primary role: UI Design and Front-End Developer.
Secondary role: Integration of Front End with the backend of the application.

▶ **Apurva**
Primary Role: Data Mining and Data Cleaning.
Secondary Role: NLP Processing for Text.

▶ **Ashwin**
Primary Role: Cloud Deployment and Integration.
Secondary Role: Data Mining and Data Cleaning.

▶ **Sumit**
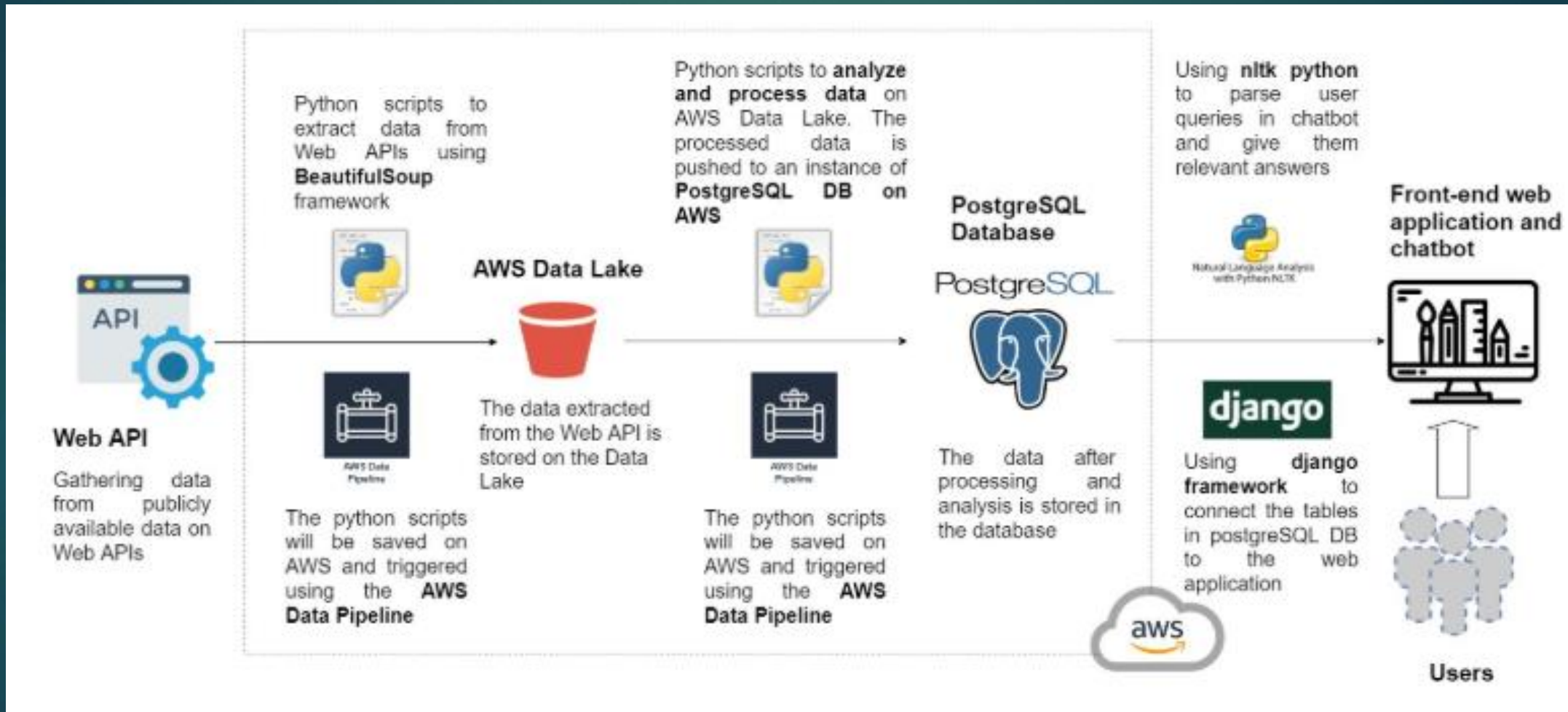**Primary Role:** Creation of Backend and Integration of the application.
Secondary Role: Cloud Deployment and Integration.

▶ **Nripendra**
Primary Role: NLP processing for Text.
Secondary Role: Creation of Backend and Integration of the application.

Architecture

Data Plan

▶ We are considering data from various APIs; it could be posts on social media or taken directly from easily available APIs.

▶ Just to give a gist..

❑ Social Media E.g. Tweets (Twitter API)

❑ COVID-19 API – Johns Hopkins, CSSE

❑ COVID-19 Data – European Centre for Disease Prevention and Control

❑ https://data.gov.ie/

GitHub and Team Management tools

GitHub

Work done until now; like ideas proposed, minutes of meetings, any research done so far related to the project, has been pushed onto our team's repository.

Team Management Tools in place:

❑ Conducting daily meetings via **Google Meet.**

❑ We're using **Jira** in order to note down Minutes of Meetings, outline each team member's work, define sprints, plan the work to be done and the corresponding deadlines for them.

STAY SAFE!

THANK YOU!

-Team Rocket