C-19 Auxilium

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INTRODUCTION:

The corona virus pandemic is an ongoing global pandemic of corona virus disease 2019 (COVID-19), caused by SARS-CoV-2. More than 15.2 million cases of COVID-19 have been reported in more than 188 countries resulting in more than deaths. This is how the world is suffering from the virus. So here we are planned to develop an application in order to help the peoples.

TOOLS USED

ANDROID STUDIO:

Android Studio is the official Integrated Development Environment (IDE) for Android app development, based on IntelliJIDEA. A unified environment where you can develop for all Android devices. Apply changes to push code and resource changes to your running app without restarting your app.

TECHNICAL DESCRIPTION

BACKENDLESS [CLOUD]:

Backendless is a cloud backend platform that enables developers to create apps without server coding by utilizing programmable services which supply standard server functions.

SQL LITE:

SQLite is an in-process library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in

the public domain and is thus free for use for any purpose, commercial or private. SQLite is the most widely deployed database in the world with more applications than we can count, including several high-profile projects.
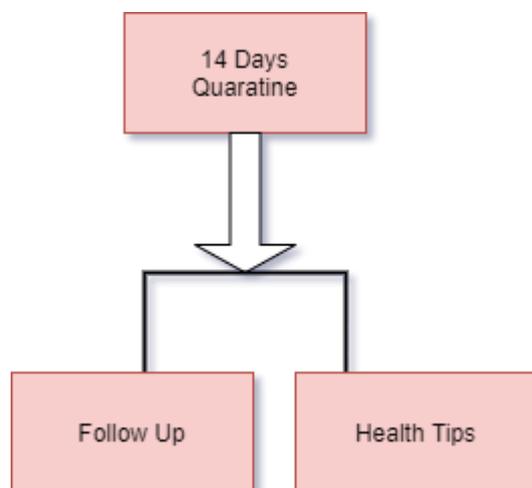
WATSON IBM:

Watson helps you unlock the value of your data in entirely new, profound ways, giving every member of your team the power of AI. With a suite of pre-built applications and tools to build, run and manage your AI, Watson gives you insights to predict and shape outcomes and infuse intelligence into your workflows.we are using this AI for the purpose of the

MODULE DESCRIPTION

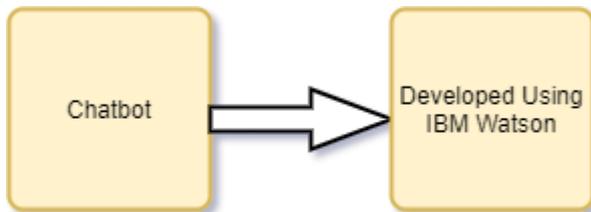## 14-DAYS QUARANTINE MODULE:

In this module there exist a feature where in the starting date of the 14 days isolation period is noted and it gives health and nutrition tips for the 14 days where in the patient is notified with the tips simultaneously.Basic idea behind this concept is to strengthening the patient mind through varoius motivation quotes.
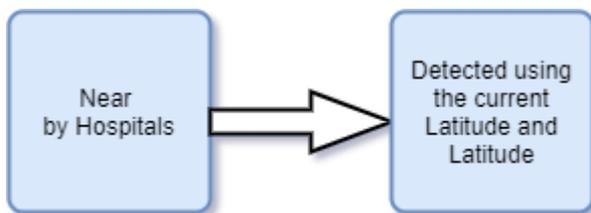

HEALTH BOT MODULE:

A chatbot is a software application used to conduct an on-line chat conversation via text or text-to-speech. In this project we developed the chatbot with the help of IBM Watson. Here a patient can interact with the bot and can get to know about their health condition with the help of the bot. In short there is no need of visiting the doctor instead one can take self

assessment of their health with the help of our chatbot and so it reduces the burden of the patients.
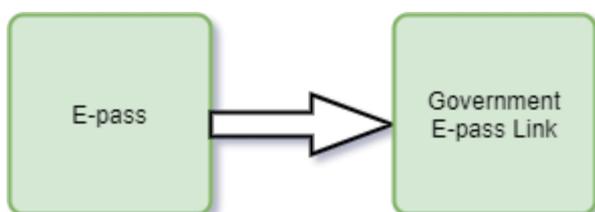

NEAR BY TEST CENTERS MODULE:

This module is helpful in searching the Covid Test centers(hospitals) located nearby. Here current latitude and longitude of the user is calculated and then g-map detects and locates the nearby hospitals.
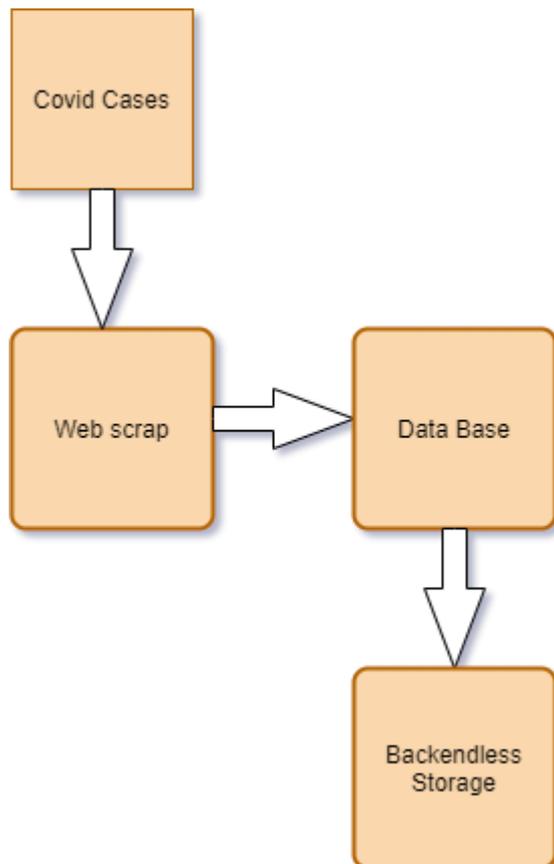

E-PASS MODULE:

As the number of Covid-19 related fatalities continue to rise, the Union government in a fresh advisory to the state governments has sought strict monitoring along with imposing movement restrictions to deter the spreading of the pandemic. During this period traffic curbs will be strictly in place with movement of essential services and supply allowed only through e-pass issued by the local authorities. So with the help of this module one can apply for e-pass and can get the e-pass.
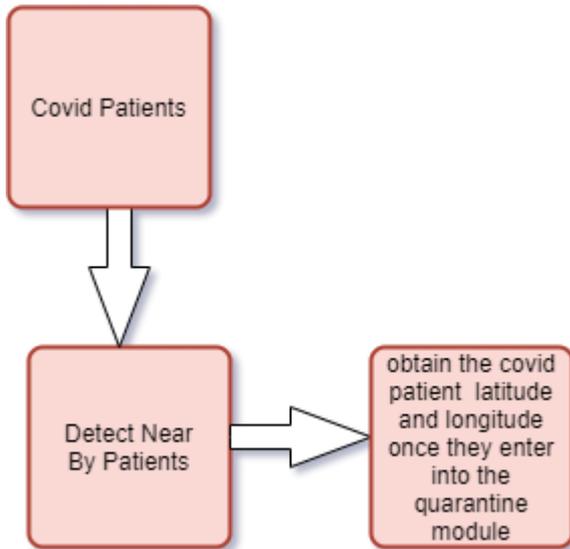
COVID CASES MODULE:

This module is helpful in detecting the number of covid cases District wise. The cases will be uploaded in the database from webscrap. Here we used two database backendless and firebase and hence those cases are stored in that database.We aredoing web scraping to obtain the data and store the data in the database and retriving the data from the database during the time of the display.
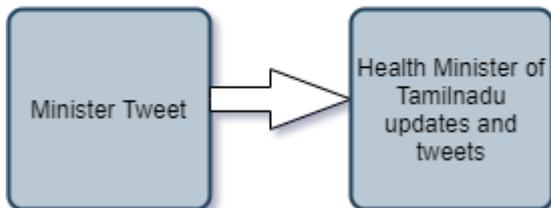

NEAR PATIENTS MODULE:

This module is helpful in detecting the persons affected by corona. Once the user gets in to this module it will direct him/her in to the google maps and then he /she can get the details.we obtain the Latitude and Longitude of the Covid patient once the Covid patients enter into the 14-days quaratine module.
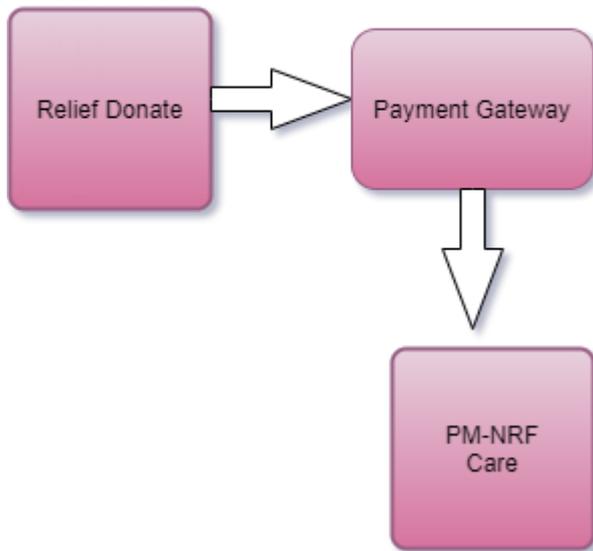
MINISTER TWEET MODULE:

In this module Health minister of TamilNadu Mr.Dr.C.Vijayabaskar's tweet updated frequently. So the user can get updated with the information related to covid cases.

RELIEF DONATE MODULE:

Prime Minister's National Relief Fund(PMNRF) was established entirely with public contributions. The resources of the PMNRF are utilized to render immediate
Relief to families of those killed in natural calamities, etc… So, an individual can donate some relief fund using this module.we are using upi id of the pm-care for the transaction of the amount.The payment conformation can also obtained in this module.

FUTURE ENHANCEMENT

- Language Flexibility
- World wide case information

CONCLUSION

Our team came up with an app(C-19 Auxilium) that would assist you, keep you updated and most importantly, it serves you.