**Hackers (Optum)**

1. **Submission name** : **One stop Query handler Covid-Chatbot**

2. **Short description** : Created a practical chatbot to ensure all information related to COVID is available at one stop communication channel.

3. **Long description** : COVID-19 caused by the SARS-CoV-2 virus has brought everyday life to a halt all around the world and its outbreak occurred in our modern, highly connected, information-dense world. With this we're all dealing with seemingly endless questions about the coronavirus. Yet, dissemination of accurate, up-to-date information about the spread of the disease remains a challenge.

Looking at the struggles faced by people all over the world during the COVID-19 outbreak, to infact get the basic understanding of COVID, everybody has to gather information from different platforms. All the COVID related information is scattered and not available at particular platform. We are creating an extensible and practical bot to ensure all information related to **COVID** is available at **one stop communication channel**. Hence, introducing a working chatbot with all possible information one can get related to COVID.

**We have developed this chatbot using Google DialogFlow. And, we have integrated this bot to Telegram.**

**Link to access the bot** – <https://t.me/CovidWitHackathon_bot>

Here are the features which this app would include:

**Hi/Hello Welcome intent-**

**Welcome to the COVID-19 bot!**

**This bot will give you all the details and information about COVID-19. From nearby cases to global cases news related to coronovirus. It gives ample information about COVID-19. You can check what all symptoms are shown by this novel coronovirus. You can check what precautions you need to take and what all tips given by WHO to stay safe from COVID-19 and some quarantine tips. And finally this bot is build using Dialogflow.**

**Please enter /Start.**

**/Start - Hey! i am CoVide-19 bot developed by Optum Hackers. Type menu to get a list of things what i can do.**

**/Menu – It has currently nine features:**

**1. /aboutcorona - Know about coronavirus**

**2. /covidtest - Test yourself of COVID-19**

**3. /symptoms - Symptoms of COVID-19**

**4. /precautions - Precaution needed for COVID-19**

**5. /covidmap - Displays global map country wise COVID-19 cases**

**6. /globalcases - Reports COVID-19 Global cases**

**7. /indiacases - Reports COVID-19 India cases**

**8. /quarantinetips - Tips for what you can do in quarantine**

**9. /news - Reports COVID-19 news**

**/Further drilled down on features:**

**/aboutcorona – This item would talk about what is Coronavirus disease (COVID-19).** **Please visit this link to get more information on COVID-19 (**[**https://www.who.int/health-topics/coronavirus**](https://www.who.int/health-topics/coronavirus)**)**

**/covidtest – This item will help you to do the covid testing by sitting at home. Test COVID-19 by answering few questions. Visit Apollo Hospital COVID-19 test. (**[**https://covid.apollo247.com/**](https://covid.apollo247.com/)**)**

**/symptoms – This item will tell you the COVID-19 symptoms issued by CDC.** **Please visit (**[**https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html**](https://www.cdc.gov/coronavirus/2019-ncov/symptoms-testing/symptoms.html)**)**

**/precautions – This item will talk about what precautions one can take for COVID-19 issued by WHO. Visit the WHO website (**[**https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public**](https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public)**)**

**/covidmap – Displays global map country wise COVID-19 cases please visit this website (**[**https://8sni6.csb.app/**](https://8sni6.csb.app/)**)**

**/globalcases – Displays the Global COVID cases Country wise. To view global cases please visit (**[**https://www.worldometers.info/coronavirus/**](https://www.worldometers.info/coronavirus/)**)**

**/indiacases – Displays India COVID cases State wise. To view India cases state wise please click (https//www.covid19india.org)**

**/quarantinetips – Displays the tips for what you can do in quarantine (**[**https://www.betterhealth.vic.gov.au/health/ConditionsAndTreatments/quarantine-at-home-coping-tips?viewAsPdf=true**](https://www.betterhealth.vic.gov.au/health/ConditionsAndTreatments/quarantine-at-home-coping-tips?viewAsPdf=true)**)**

**/news – Displays top 20 Reports COVID-19 news**

4. **Solution roadmap** : This chatbot is a working model, all the above features are running and giving all the expected information. To improvise we will be working on a real time data. For example : for specific questions like if you want to know what’s the current covid cases in United States or Russia, it will give you the real time cases counts. And, we will also be adding the feature of sending you an email which would give you specific coronavirus counts in your respective area. For that user need to put in these details (Name, Mobile No., Email ID, PinCode) so that actual real time data will be sent via email.

5. **Link to publicly accessible GitHub repository** :

GitHub Repository : [**https://github.com/snigdhaguha/OptumHackers**](https://github.com/snigdhaguha/OptumHackers)

6. **Link to a three-minute demo video** :

**Youtube Link** : [**https://youtu.be/U\_f0dY\_7jrc**](https://youtu.be/U_f0dY_7jrc)

**Title** : Optum\_Hackers\_CovidWitHackathon\_Chatbot

7. **List of one or more IBM Cloud Services/IBM Systems used** :

Google Dialogflow

8. **Your email address and the email addresses of up to four additional team members**.

**Team Name - Hackers**

|  |  |  |
| --- | --- | --- |
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