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5. **Hello Bot Intent**
   1. **Description**: This intent is used when you initially visit the Chatbot hosted on the website. This is where the intent will greet the user who is logged into the chatbot.
   2. **Function**: Intent function is to greet the user and the sample utterances used here are Hi, Hola and Hello. This intent has a slot which will collect your name and displayed the same in the response.
   3. **Responses**: As a response to the users query “Hi/**Hola**/Hello”, it will ask you first the users name by prompting this question “Hi! How are you? What is your name?” and it will reply with “Hi {Name}, How can I help you with COVID-19 Statistics” which is collected using the slot.
6. **Admin Bot Intent**
   1. **Description**: This intent is used to get the user id and user password.
   2. **Function:**  When user says admin, the chatbot will ask the user for Username by prompting “Please Enter Username” and after entering the Username it will ask for password by prompting “Please Enter Password.”
   3. **Response:** In response the chatbot will respond with “Intent AdminBot is ReadyForFullfillment: Password: Vishal UserID: Vishalpadma”.
7. **Greeting Test Intent**
   1. **Description:** This intent will be used when the user asks chat bot for its name. Chatbot will respond to the user with its name.
   2. **Function:**  To tell the user the name of the chatbot when ask in the form of the query (Sample Utterances): Can you tell me your name, What are you called, What is your name.
   3. **Response:**  When asked for name of the chatbot in the form of the query mentioned above it will respond with the answer as “My name is CovidBot, I am here to help you with your queries regarding COVID-19”.
8. **Get Country Data Intent**
   1. **Description:** This is the main intent which we will be used to answer the user queries about the Covid-19 situation around the Globe. This intent will be triggered when user asks queries about different country. This intent can answer different queries related to different covid cases like Confirmed, Recovered, Deaths and Active Cases for 186 different countries. This intent has a lamda function which is triggered when the user enters a query which is later converted into a SQL statement. This SQL Statement is then used to retrieve the data from the database which is hosted on Cloud system. User can ask queries in different format and the scope of this intent is to answer 186 countries for four different cases. Below is the table which explains a lot about the functioning of the intent. There are three different slots used in this intent which will be used to collect Country, Type of Cases and Date. The slot country will be used collect the country name entered by the user. The slot Type of Cases will be used to collect the type of case they the user is interested to know for the specific country he asked for in the query. The last slot is the date which will be used to collect the date on which users wants to know the data about the specific country with respect to the specific case the user asked for.
   2. **Function:** The function of this intent is to return user with data for the query they asked regarding the Covid 19 data. Below is the Table of sample utterances which can be used by the user:

|  |  |  |
| --- | --- | --- |
| No | Sample Utterance | Example Query |
| 1 | (Type of Cases) cases in (country) | Active Cases in Ireland |
| 2 | (Type of Cases) in (country) | Active in Ireland |
| 3 | What is the number of (Types of Cases) in (Country) | What is the number of Deaths in Ireland |
| 4 | What is the situation in (Country) | What is the situation in Ireland |
| 5 | Show me the stats for (Country) | Show me the stats for India |
| 6 | Can I get statistics | Can I get statistics |
| 7 | Get stats | Get stats |
| 8 | What are the statistics | What are the statistics |
| 9 | Statistics | Statistics |
| 10 | Stats | Stats |
| 11 | Can you show me statistics | Can you show me statistics |
| 12 | I would like to know the statistics | I would like to know the statistics |

These are sample utterances which user can use to get the covid data for 186 countries which are in the scope. These are some generalized restricted queries which can be in different format and yet you can get the same result by asking similar queries which resemble the above sample utterances.

* 1. **Responses:**  The below responses will be displayed for the sample utterances associated with the chatbot for covid-19 data.

|  |  |  |  |
| --- | --- | --- | --- |
| No | Sample Utterance | Example Query | Responses |
| 1 | (Type of Cases) cases in (country) | Confirmed Cases in Ireland | Which date |
| 1.1 | (Date) | 03 march 2020 | There were 2 of confirmed Cases in ireland on 2020-03-03 |
| 1.3 | (Date: MM-DD-YY) | 03-03-2020 | There were 2 of confirmed Cases in ireland on 2020-03-03 |
| 2 | (Type of Cases) in (country) | Active in Ireland | Which date |
| 2.1 | (Date) | 07 April 2020 | There were 5474 of Active Cases in Ireland on 2020-04-07 |
| 2.2 | (Date: MM-DD-YY) | 04-07-2020 | There were 5474 of Active Cases in Ireland on 2020-04-07 |
| 3 | What is the number of (Types of Cxases) in (Country) | What is the number of Deaths in Ireland | Which Date |
| 3.1 | (Date) | 08 June 2020 | There were 1683 of Death Cases in Ireland on 2020-06-08 |
| 3.2 | (Date: MM-DD-YY) | 06-08-2020 | There were 1683 of Death Cases in Ireland on 2020-06-08 |
| 4 | What is the situation in (Country) | What is the situation in Ireland | What type of Covid Records would you like to know about? |
| 4.1 | (Type of cases) | Recovered | Which Date |
| 4.2 | (Date) | 22 May 2020 | There were 21060 of Recovered Cases in Ireland on 2020-05-22 |
| 4.3 | (Date: MM-DD-YY) | 05-22-2020 | There were 21060 of Recovered Cases in Ireland on 2020-05-22 |
| 5 | Show me the stats for (Country) | Show me the stats for India | What type of Covid Records would you like to know about? |
| 5.1 | (Type of cases) | Confirmed | Which Date |
| 5.2 | (Date) | 29 march 2020 | There were 1024 of Confirmed Cases in India on 2020-03-29 |
| 5.3 | (Date: MM-DD-YY) | 03-29-2020 | There were 1024 of Confirmed Cases in India on 2020-03-29 |
| 6 | Can I get statistics | Can I get statistics | Which country would you like to know about? |
| 6.1 | (Country) | Brazil | What type of Covid Records would you like to know about? |
| 6.2 | (Type of cases) | Confirmed | Which Date |
| 6.3 | (Date) | 15 June 2020 | There were 43959 of Death Cases in Brazil on 2020-06-15 |
| 6.4 | (Date: MM-DD-YY) | 06-15-2020 | There were 43959 of Death Cases in Brazil on 2020-06-15 |
| 7 | Get stats | Get stats | Which country would you like to know about? |
| 7.1 | (Country) | Ireland | What type of Covid Records would you like to know about? |
| 7.2 | (Type of cases) | Active | Which Date |
| 7.3 | (Date) | 06 july 2020 | There were 426 of Active Cases in ireland on 2020-07-06 |
| 7.4 | (Date: MM-DD-YY) | 06-06-2020 | There were 426 of Active Cases in ireland on 2020-07-06 |
| 8 | What are the statistics | What are the statistics | Which country would you like to know about? |
| 8.1 | (Country) | China | What type of Covid Records would you like to know about? |
| 8.2 | (Type of cases) | Deaths | Which Date |
| 8.3 | (Date) | 27 march 2020 | There were 3296 of Death Cases in China on 2020-03-27 |
| 8.4 | (Date: MM-DD-YY) | 03-27-2020 | There were 3296 of Death Cases in China on 2020-03-27 |
| 9 | Statistics | Statistics | Which country would you like to know about? |
| 9.1 | (Country) | Germany | What type of Covid Records would you like to know about? |
| 9.2 | (Type of cases) | Recovered | Which Date |
| 9.3 | (Date) | 05 may 2020 | There were 135100 of Recovered Cases in Germany on 2020-05-05 |
| 9.4 | (Date: MM-DD-YY) | 05-05-2020 | There were 135100 of Recovered Cases in Germany on 2020-05-05 |
| 10 | Stats | Stats | Which country would you like to know about? |
| 10.1 | (Country) | Afghanistan | What type of Covid Records would you like to know about? |
| 10.2 | (Type of cases) | Confirmed | Which Date |
| 10.3 | (Date) | 05 june 2020 | There were 18969 of Confirmed Cases in afghanistan on 2020-06-05 |
| 10.4 | (Date: MM-DD-YY) | 06-05-2020 | There were 18969 of Confirmed Cases in afghanistan on 2020-06-05 |
| 11 | Can you show me statistics | Can you show me statistics | Which country would you like to know about? |
| 11.1 | (Country) | India | What type of Covid Records would you like to know about? |
| 11.2 | (Type of cases) | Recovered | Which Date |
| 11.3 | (Date) | 15 july 2020 | There were 612768 of Recovered Cases in india on 2020-07-15. |
| 11.4 | (Date: MM-DD-YY) | 07-15-2020 | There were 612768 of Recovered Cases in india on 2020-07-15 |
| 12 | I would like to know the statistics | I would like to know the statistics |  |
| 12.1 | (Country) | Canada | What type of Covid Records would you like to know about? |
| 12.2 | (Type of cases) | Confirmed | Which Date |
| 12.3 | (Date) | 20 April 2020 | There were 37658 of Confirmed Cases in Canada on 2020-04-20 |
| 12.4 | (Date: MM-DD-YY) | 04-20-2020 | There were 37658 of Confirmed Cases in Canada on 2020-04-20 |