#### CHATBOT - SHOP FOR ESSENTIALS DURING PANDEMIC

A chatbot is a software application used to conduct an on-line chat conversation via text or text-to-speech, in lieu of providing direct contact with a live human agent. Designed to convincingly simulate the way a human would behave as a conversational partner, chatbot systems typically require continuous tuning and testing, and many in production remain unable to adequately converse or pass the industry standard Turing test. The term "ChatterBot" was originally coined by Michael Mauldin (creator of the first Verbot) in 1994 to describe these conversational programs.

Chatbots are used in dialog systems for various purposes including customer service, request routing, or for information gathering. While some chatbot applications use extensive word-classification processes, natural language processors, and sophisticated AI, others simply scan for general keywords and generate responses using common phrases obtained from an associated library or database.

Most chatbots are accessed on-line via website popups or through virtual assistants. They can be classified into usage categories that include: commerce (e-commerce via chat), education, entertainment, finance, health, news, and productivity.

#### **Services Used:**

1.IBM Watson Assistant

2.Node-Red

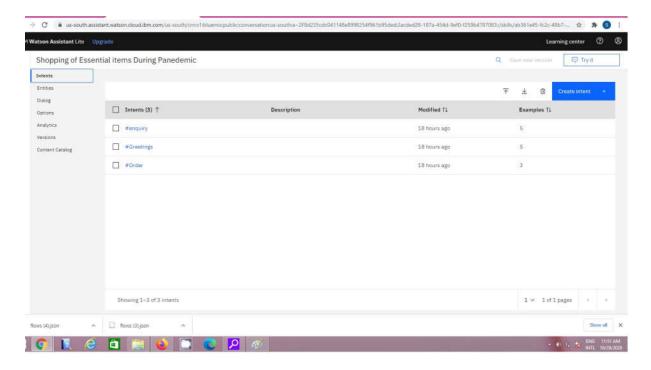
## **Implementation & Result Screenshot**

In IBM Watson Assistant major components to build chatbot are Intent, Entities & Dialogs. There are three intents made in proposed system each of which will separately take care of each goal of bot.

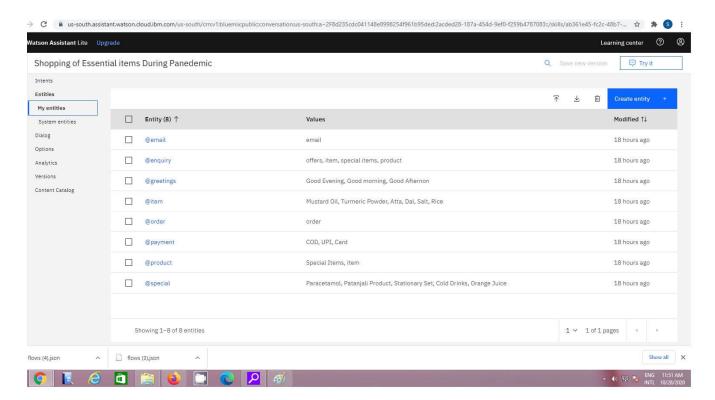
#### **Intents**

- 1. Greetings Intent-: It takes care of initial user responses
- 2. Enquiry Intent-: It takes care of shopping items enquiry
- 3. Order Intent-: It takes care of placement of order

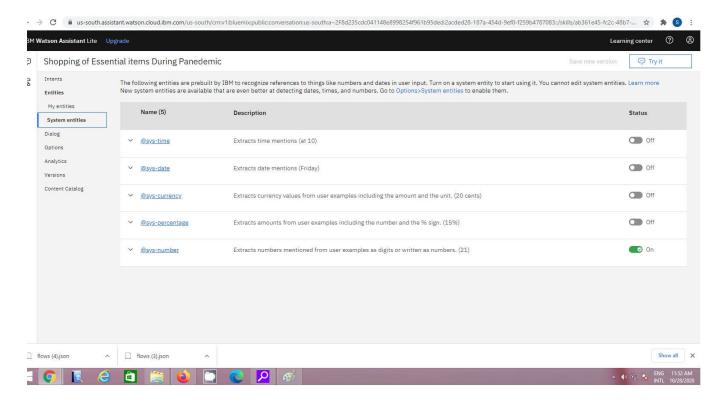
#### **Intents**



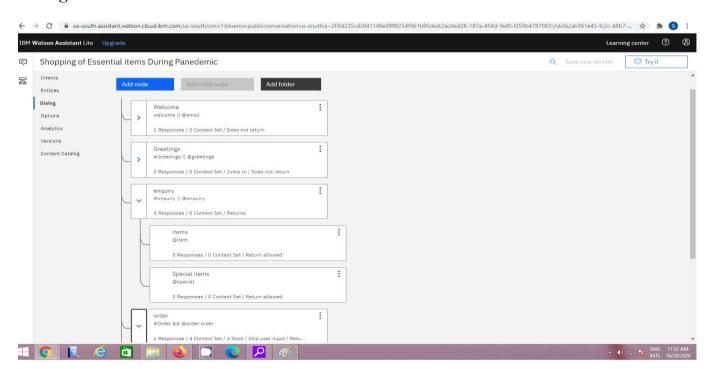
### **Entities**



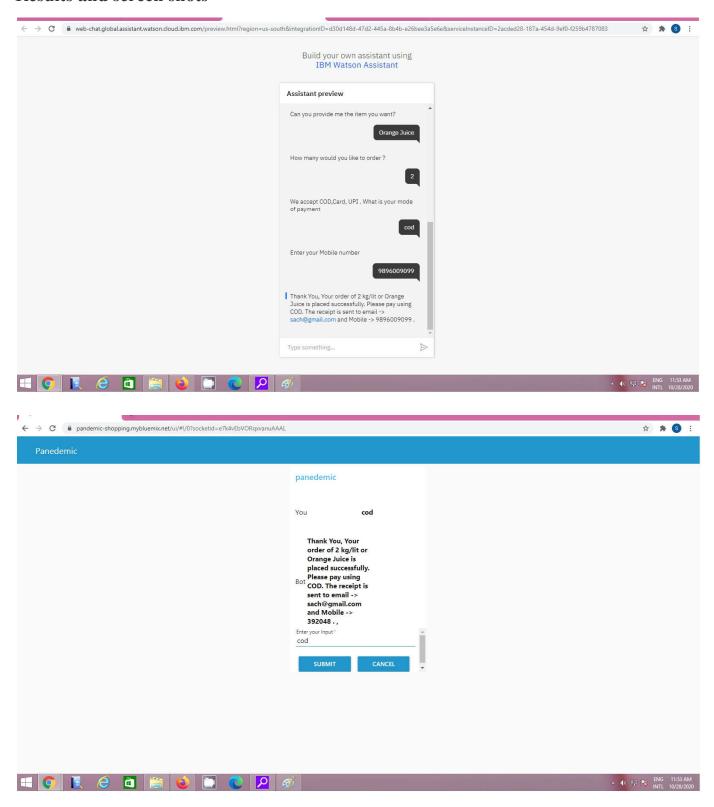
# **System Entities**



## **Dialogues**



### Results and screen shots



**Conclusion:** This Bot will help users to display list of items and place order.