Chat Bot to Shop Essentials During Pandemic

Introduction

In this pandemic situation where everyone is required to stay home shopping daily essentials to survive is also required. The fulfilment of these essentials like vegetables, Fruits, medicines are very much import and essential than anything else.

Problem Statement

Based the current pandemic the project aims to develop a chat bot for shopping essentials of Fruits and vegetables for a shop and place an order of these elements chosen form menu. This project helps with this issue by giving people an online option to shop for essentials. With the help of Watson assistant, a chatbot is built. This chat bot has the following capabilities:
1. Displaying the list of items in the Store
2. Listing the prices of vegetables
3. The bot is able to take details like name, e-mail, and the items to place the order
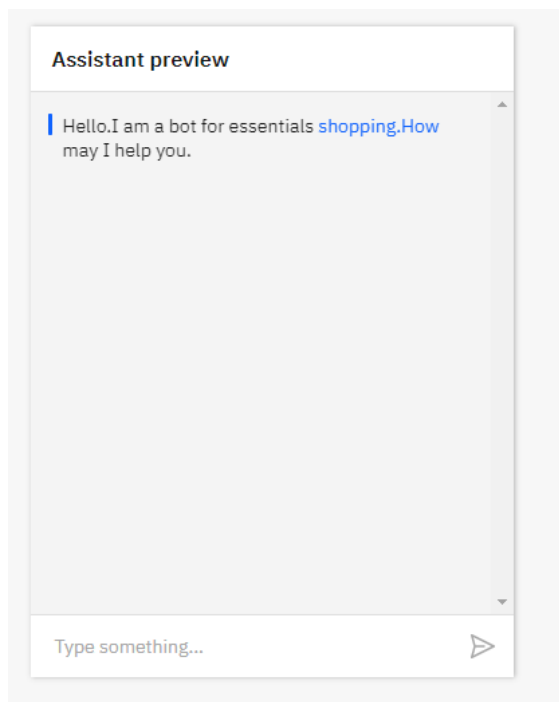
Architecture:
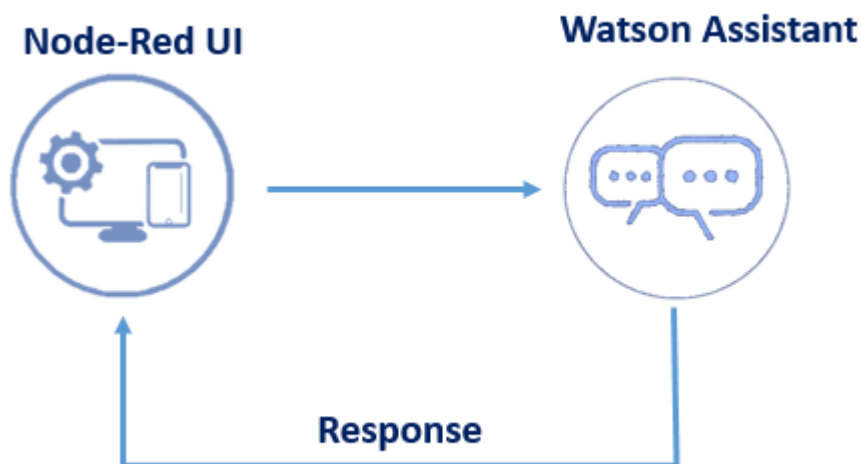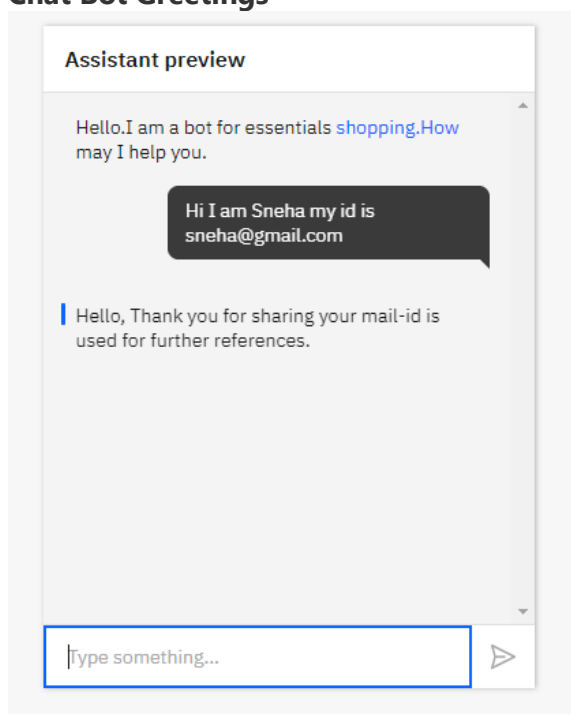
Hardware/Software Requirement:
Hardware: PC/Laptop
Software: IBM cloud service

Results/Working Snapshots:

Start of Pandemic Essentials Chat Bot

Chat Bot Greetings

Good morning/Good afternoon/Good Evening/Hi/Hello Response

Assistant preview

Good morning

Good Morning What would you like to buy

Fruits   Vegetables

Retail Price Scrolling Monday, June 22-2015				
Commodity Name	Unit	Min	Max	Avg
Mango	Kg	70	80	75
Grapes	Kg	170	180	175
Water Melon	Kg	25	30	28
Sweet Orange	Kg	100	110	105
Pineapple	1 Pc	100	110	105
Cucumber	Kg	70	80	75
Jack Fruit	Kg	30	35	33
Papaya	Kg	80	85	83

Type something...

Assistant preview

Fruits

Price list			
Commodity	Unit	Last Saturday	This Saturday
Potato (red)	Kg	Rs 38	Rs 45
Potato (white)	Kg	Rs 33	Rs 35
Tomato	Kg	Rs 45	Rs 55
Cowpea	Kg	Rs 85	Rs 95
Cauliflower (local)	Kg	Rs 75	Rs 85
Pointed gourd	Kg	Rs 75	Rs 75
Pomegranate	Kg	Rs 215	Rs 215
Pineapple	1 piece	Rs 135	Rs 145
Mango	Kg	Rs 145	Rs 145

vegetables

Please type order to place an order

Type something...

Place an order with response of Chat Bot

Commodity	Unit	Last Saturday	This Saturday
Potato (red)	Kg	Rs 38	Rs 45
Potato (white)	Kg	Rs 33	Rs 35
Tomato	Kg	Rs 45	Rs 55
Cowpea	Kg	Rs 85	Rs 95
Cauliflower (local)	Kg	Rs 75	Rs 85
Pointed gourd	Kg	Rs 75	Rs 75
Pomegranate	Kg	Rs 215	Rs 215
Pineapple	1 piece	Rs 135	Rs 145
Mango	Kg	Rs 145	Rs 145

vegetables

Please type order to place an order

order

Can you tell me the item u want?if you want you can visit list or buy

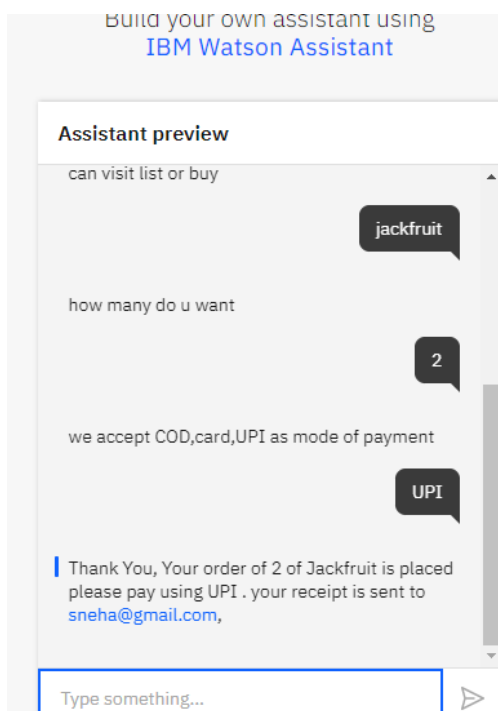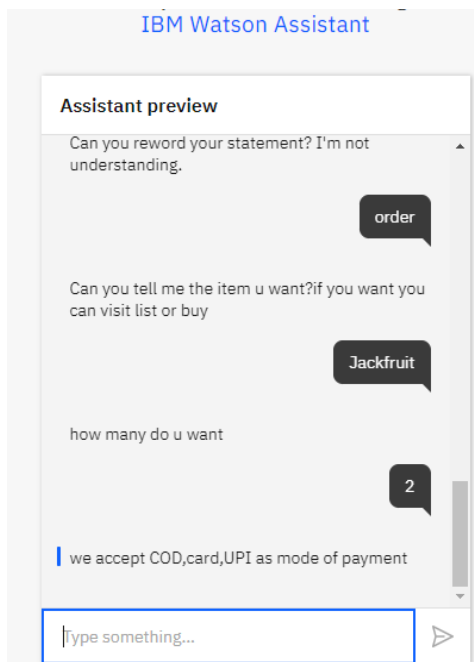Type something...

IBM Watson Assistant

list

Price list

Commodity	Unit	Last Saturday	This Saturday
Potato (red)	Kg	Rs 38	Rs 45
Potato (white)	Kg	Rs 33	Rs 35
Tomato	Kg	Rs 45	Rs 55
Cowpea	Kg	Rs 85	Rs 95
Cauliflower (local)	Kg	Rs 75	Rs 85
Pointed gourd	Kg	Rs 75	Rs 75
Pomegranate	Kg	Rs 215	Rs 215
Pineapple	1 piece	Rs 135	Rs 145
Mango	Kg	Rs 145	Rs 145

Retail Price Scrolling
Monday, June 22-2015

Commodity Name	Unit	Min	Max	Avg
Mango	Kg	70	80	75

Type something...

Assistant preview

Can you reword your statement? I'm not understanding.

order

Can you tell me the item u want?if you want you can visit list or buy

Jackfruit

how many do u want

2

we accept COD,card,UPI as mode of payment

Type something...

Assistant preview

can visit list or buy

jackfruit

how many do u want

2

we accept COD,card,UPI as mode of payment

UPI

Thank You, Your order of 2 of Jackfruit is placed please pay using UPI . your receipt is sent to sneha@gmail.com,

Type something...

Node Red Integration
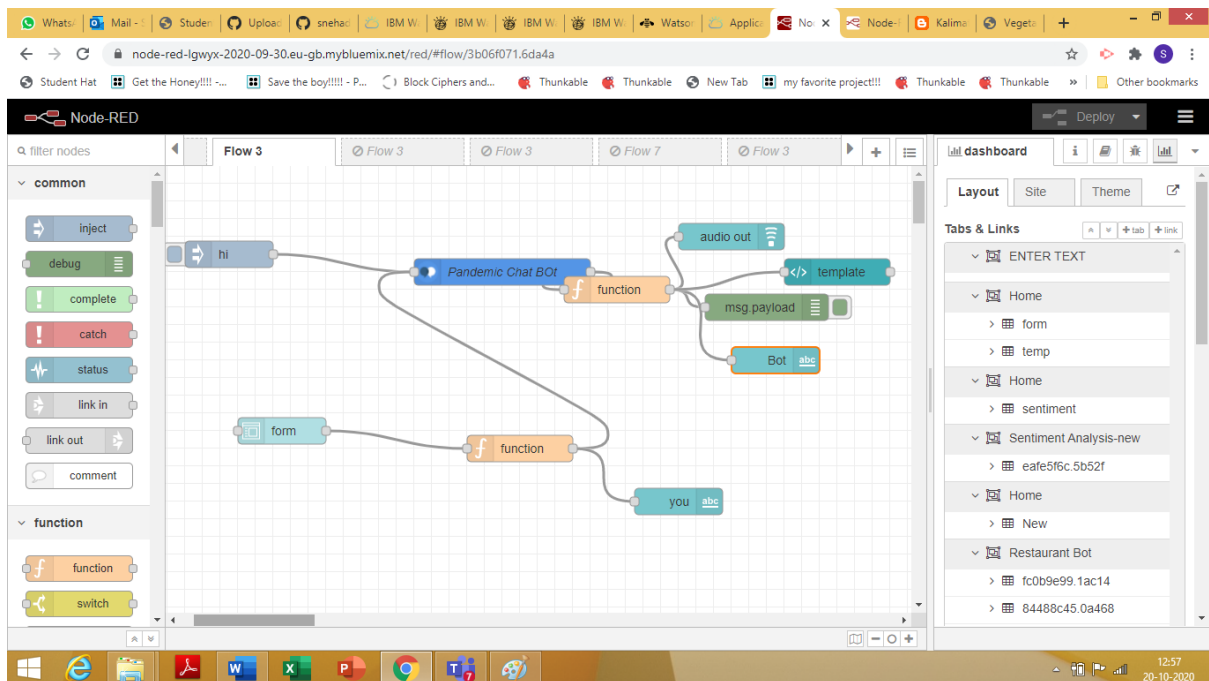
Greetings

Order

Pandemic Chat Bot

Pandemic Chat Bot

Enter your input *

order

SUBMIT CANCEL

you   order

Bot **Can you tell me the item u want?if you want you can visit list or buy**

Pandemic Chat Bot

Pandemic Chat Bot

Enter your input *

potato

SUBMIT CANCEL

you   **potato**

Bot   **how many do u want**

Pandemic Chat Bot

Pandemic Chat Bot

Enter your input *

2

SUBMIT CANCEL

you   **2**

Bot **we accept COD,card,UPI as mode of payment**

Applications

- The bots like this are helpful in answering questions generally FAQs where you can simply replace a human interaction considering the pandemic situation.
- The chat bots also help in answering restlessness for sometimes more repeated questions and not showing any emotions or reactions which could be a requirement in situations like pandemic or when manpower is les and many clients are to be handled.

Conclusion

The above project help in buying the essentials and helping people to **"Stay Home and Stay Safe"** handling the situation of the pandemic.