

Project name - Smart Restaurant Bot

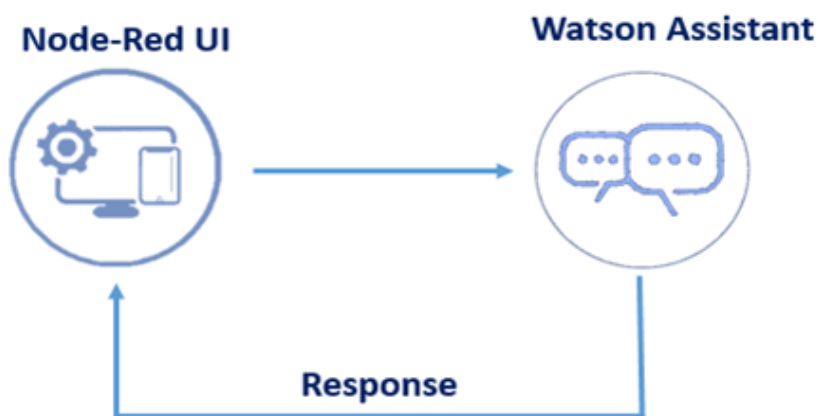
Project creator - **SHIVAM ENGLE**

Smart Restaurant Bot

Introduction

A CHATBOT is an artificial person, animal or other creature which holds conversations with humans. This could be a text based (typed) conversation, a spoken conversation or even a non-verbal conversation. Chat bot can run on local computers and phones, though most of the time it is accessed through the internet. Chat bot is typically perceived as engaging software entity which humans can talk to. It can be interesting, inspiring and intriguing. It appears everywhere, from old ancient HTML pages to modern advanced social networking . websites, and from standard computers to fashionable smart mobile devices. Chat bots talk in almost every major language. Their language (Natural Language Processing, NLP) skills vary from extremely poor to very clever intelligent, helpful and funny. The same counts for their graphic design, sometimes it feels like a cartoonish character drawn by a child, and on the other hand there are photo-realistic 3D animated characters available, which are hard to distinguish from humans. And they are all referred to as “chat bots”

Block Diagram



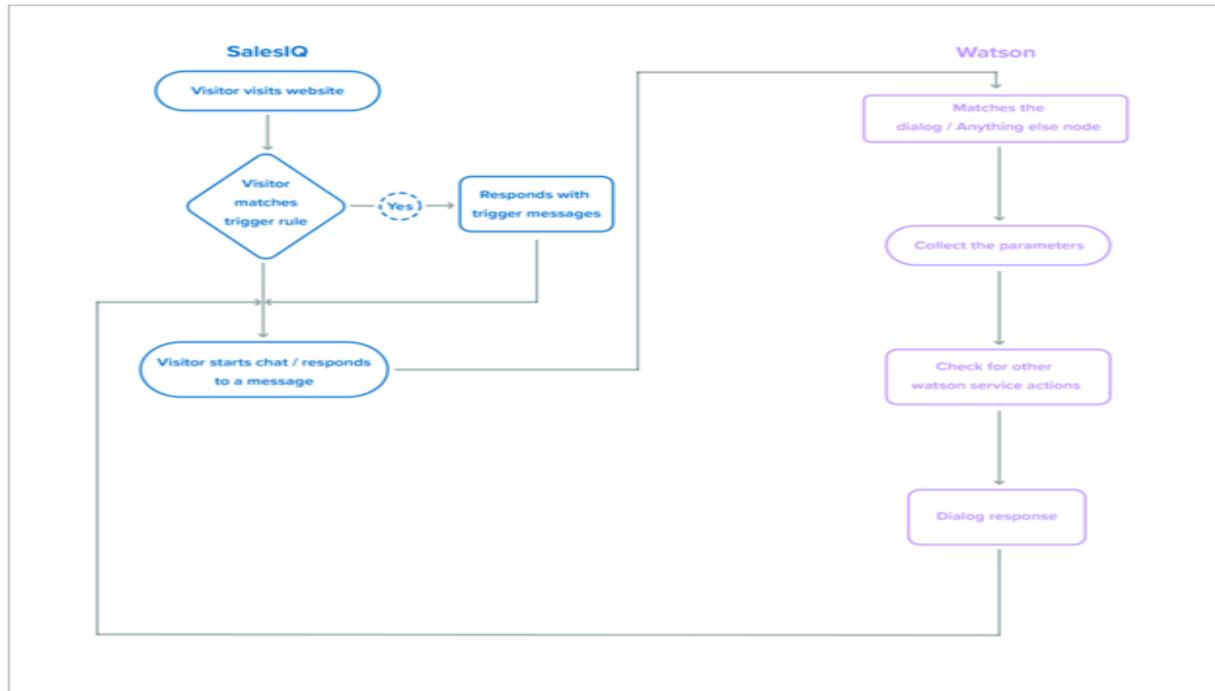
Setup Watson Assistant

1. Create Watson Assistant service
2. Create the skills
 1. Create Action Skills
 2. Create Dialog Skills
 - a. Create Intents
 - b. Create Entities
 - c. Use System Entities
 - d. Create Dialogs

Building Node-Red Application

1. Create Node-Red Service
2. Integrate Node Red To Assistant

Flow Chart



Result

6:56 PM | 4.0KB/s

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Assistant preview

Hi there! I'm the Shivam-restro friendly bot. We love having with us. I am a Shivam -resto chatbot of capable of showing menu , offers , place order, specials . What do you want me to do?


Can you provide your mail I'd for future reference.

shivamengle0801@gmail.com

Thank you your mail I'd is shivamengle0801@gmail.com . How may I help you.

Show me your menu.

Sure this is the menu we offer

Paneer Patiyala	200	SPECIAL THALI Rs-160 
Mashroom Paneer	200	
Paneer Achari	200	
Paneer 65	200	
Paneer Bhurji	150	
Mashroom Masala	200	4 Roti, 1 Katori Paneer
Mashroom Palak	200	1 Katori Aaloo Mutter
Mashroom Kaju	200	1 Katori Dal, 1 Katori Plain
Kaju Kari	160	Rice, 1 Katori Dahl, 1 Sweet
Kaju Butter Masala	200	

Type something...

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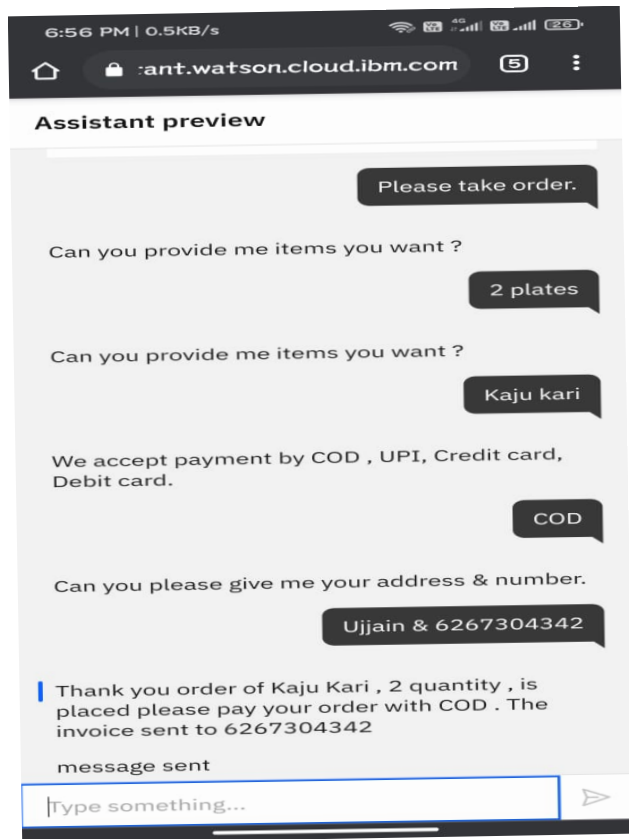
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Assistant preview

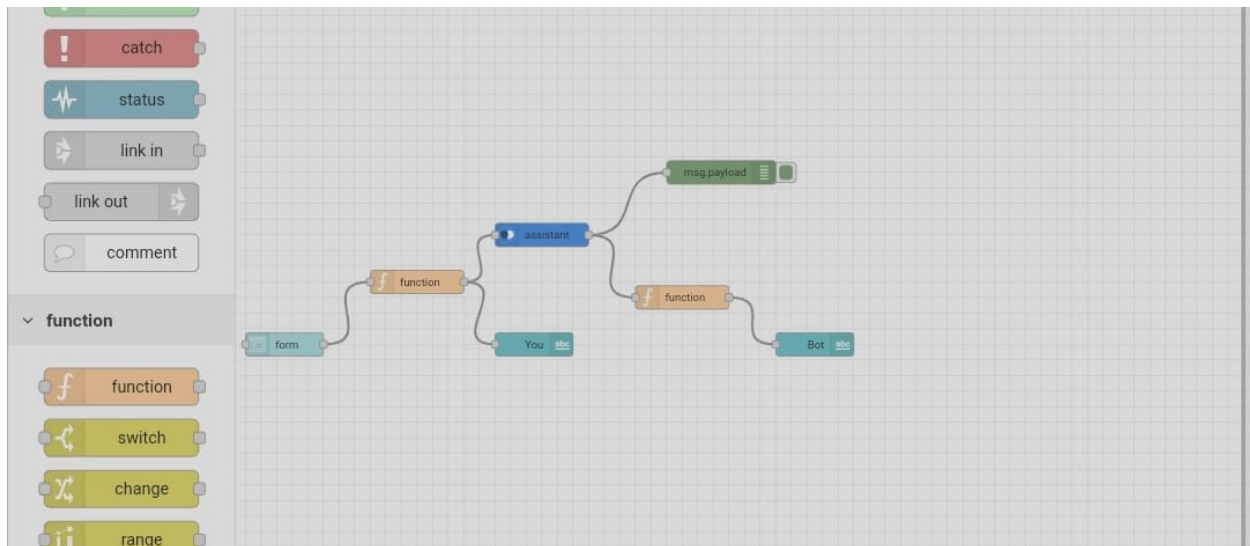
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Mashroom Palak	200	1 Katori Aaloo Mutter
Mashroom Kaju	200	1 Katori Dal, 1 Katori Plain
Kaju Kari	160	Rice, 1 Katori Dahl, 1 Sweet
Kaju Butter Masala	200	Half Papad, Kachumar Salad
Chana Kaju	160	
Sev Tomato	120	
Malai Kofta	150	
Yeg Kofta	150	
Paneer Kofta	180	
Navratan Kofta	200	
Stuffed Tamato	150	
Stuffed Capsicum	150	
Dum Aaloo Kashmiri	150	
Dum Aaloo Punjabi	150	
Aaloo Mutter	150	
Aaloo Gobhi	150	
Aaloo Jeera	140	
Aaloo Bhurji	150	
Seasonal Yeg	160	
Mix Yeg	150	
Tawa Yeg	200	
Yeg Kolhapuri	180	
Yeg Kadai	160	
Yeg Handi	160	
		GUJARATI THALI Rs-150 4 Roti, 1 Katori bhindi 1 Katori Aaloo saag 1 Katori Dal, 1 Katori Plain Rice, 1 Katori Dahl, 1 Sweet Half Papad, Kachumar Salad
		PUNJABI THALI Rs-150 4 Roti, 1 Katori Chhola 1 Katori Punjabi Paneer, 1 Katori Dal, 1 Katori Plain Rice 1 Glass Chaach, Half Papad Kachumar Salad
		SOUTH INDIAN THALI Rs-160 Dal, Rice, Sambhar, Aaloo Ki Sabji, Roti, Dahl, Kachumar

Type something...



Node-Red flow chart



Node-red result

The screenshot shows a chatbot interface with a blue header bar labeled 'TABNAME'. Below it, a grey box contains the text 'GROUPNAME'. The chatbot's message reads: 'You 6267304342 Thank you order of Kaju Kari , 2 quantity , is placed please pay your order with COD . The invoice sent to 6267304342'. Below the message is a form with the label 'Enter the input' and the text '6267304342'. At the bottom of the form are two blue buttons: 'SUBMIT' and 'CANCEL'.

1. Available 24/7
2. Save Money
3. Improve Customer Satisfaction

Disadvantages and Risks

1. Lack Emotions
2. Difficult to Create
3. Made to Handle First-Level Question
4. Require Maintenance

Applications

Chatbots are mainly used to answer customers' questions. However, there are still different types of chatbots that may be

used in different situations.

1. Chatbots Answer Questions And Inquiries.
2. Book Tickets To Events/Shows With Chatbots.
3. Use Chatbots To Find Products, Check Inventory and Recommend Items.
4. Chatbots To Build Remarkable **Customer Experience**.
5. Chatbots Can Process Return and Exchange Requests.

Conclusion

This course will teach you how to create useful chatbots without the need to write any code. Leveraging IBM Watson's Natural Language Processing capabilities, you'll learn how to plan, implement, test, and deploy chatbots that delight your users, rather than frustrate them. True to our promise of not requiring any code, you'll learn how to visually create chatbots with Watson Assistant (formerly Watson Conversation) and how to deploy them on your own website through a handy WordPress plugin. Don't have a website? No worries, one will be provided to you. Chatbots are a hot topic in our industry and are about to go big. New jobs requiring this specific skill are being added every day, consultants demand premium rates, and the interest in chatbots is quickly exploding. Gartner predicts that by 2020, 85% of customer interactions with the enterprise will be through automated means (that's chatbots and related technologies). Here is your chance to learn this highly in demand set of skills with a gentle introduction to the topic that leaves no stone

unturned.

Future Scope

While voice interface may be optional, chatbots have been in the enterprise long enough for developers and experts to begin identifying what elements of chatbots are mainstay requirements. NLP development, human-like conversational flexibility and 24/7 service are crucial to maintaining chatbots' longevity in enterprise settings. Chatbots are AI devices and, looking ahead, they need to keep up with AI trends, such as automated machine learning, easy system integration and developing intelligence. smart way of order anything.

Build project under guidance smartinternz team

as a smart bridge trainning.

Thank you