A Chatbot works on 2 major principles:-

1) NLU: Natural Language Understanding

2) NLG: Natural Language Generation

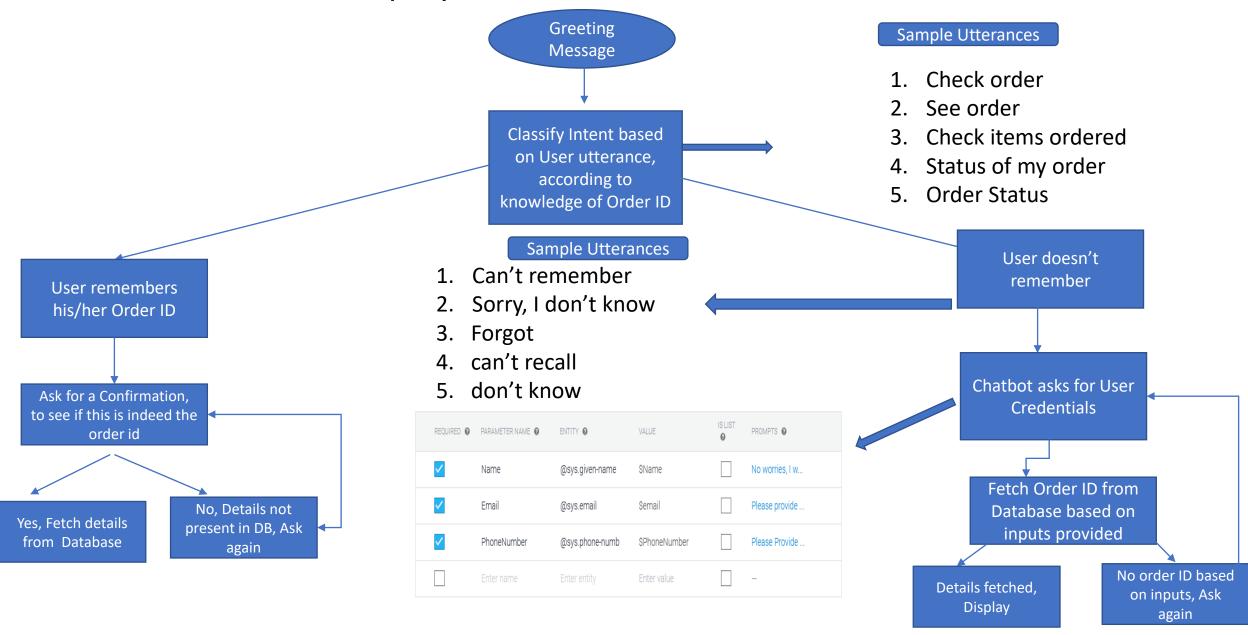
NLU: A typical Chatbot classifies the intent of the User based on pre-trained utterances, extracts entities from these utterances and decides on the next course of action

NLG: The output shown to a User by a chatbot can be crudely considered as a case of Natural Language Generation

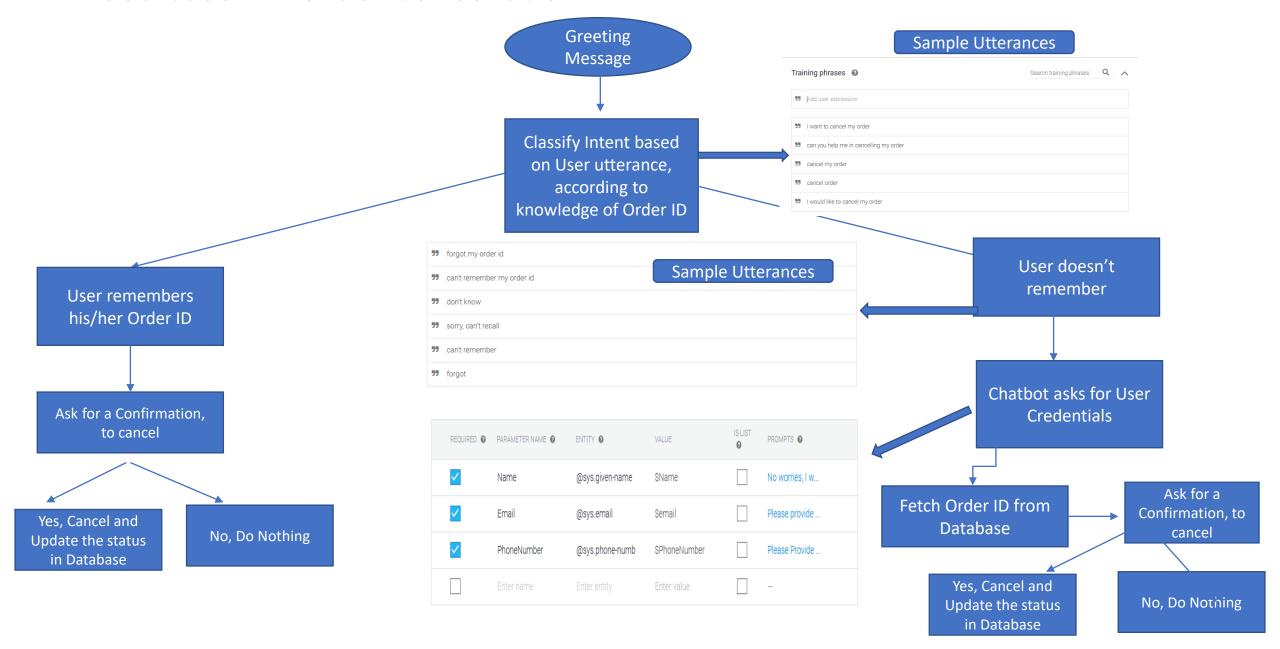
The elements you may use in a chatbot conversation are:

- •Greeting: Used to say hello or start a conversation. Formality is dependent on relationship (return versus new users).
- •Asking: For engaging or seeking information. Helps keep the conversation going.
- •Informing: Giving information that is either requested or pertinent to the conversation.
- •Checking: Testing the user's understanding. Restating details and information for clarity.
- •Error: When the chatbot doesn't understand or fails to fulfill a request.
- •Apologizing: Politely acknowledging the chatbot's shortcomings. Should be brief and serve as a bridge to alternative solutions.
- •Suggesting: Presents the user with relevant actions or options.
- •Conclusion: A clear end to the conversation.

Use Case 1: Order Enquiry

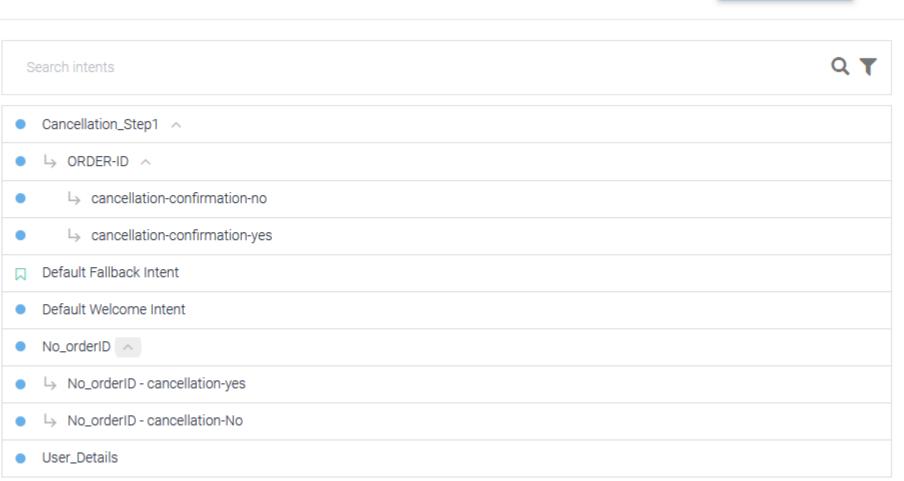


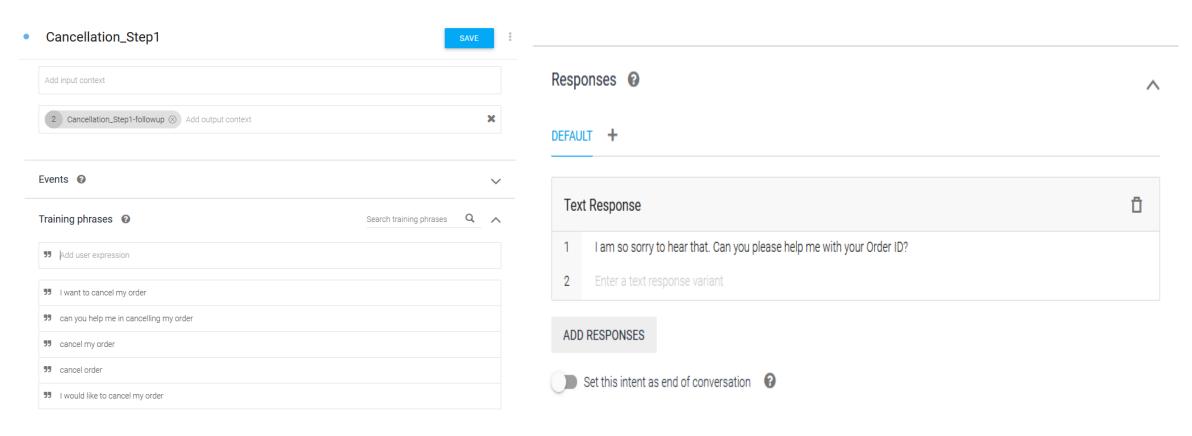
Use Case 2: Order Cancellation



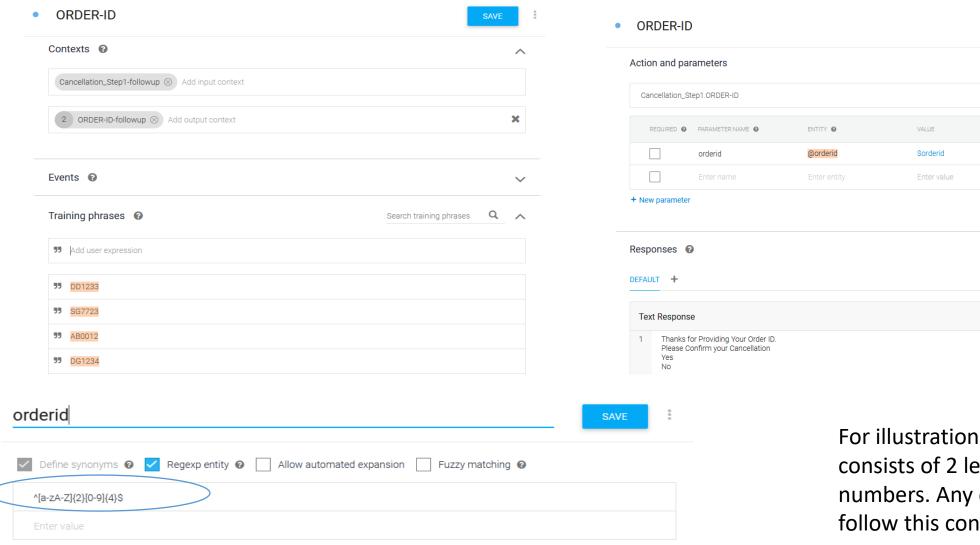
Sample Utterances Greeting Use Case 3: Refund Status Message **Check Refund Status** Refund Refund Status for my order ID XXXXX Classify Intent based How long will it take to get refund on User utterance, Not refunded yet according to knowledge of Order ID User doesn't remember Sample Utterances User remembers Can't remember his/her Order ID Chatbot asks for User Sorry, I don't know Credentials Forgot can't recall Ask for a Confirmation, to see if this is indeed the don't know Fetch Order ID from order id Database based on inputs provided PROMPTS @ REQUIRED @ PARAMETER NAME @ ENTITY 0 VALUE Yes, Fetch details No, Details not Details fetched, from Database present in DB, Ask No worries, I w... No order ID based Name @sys.given-name **\$Name** Display the and again on inputs, Ask **Tentative Refund** Display the Email @sys.email Please provide ... \$email again Tentative Date **Tentative Refund** Refund Date < Date Please Provide ... PhoneNumber @sys.phone-numb **\$PhoneNumber Current Date** Tentative Refund Date < Raise a Complaint **Current Date** Raise a Complaint







+ Add a row

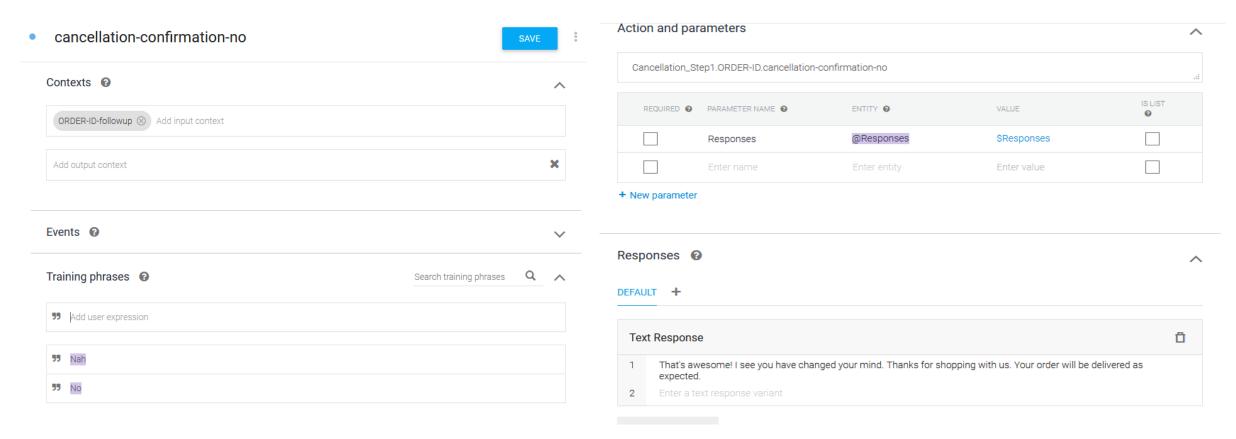


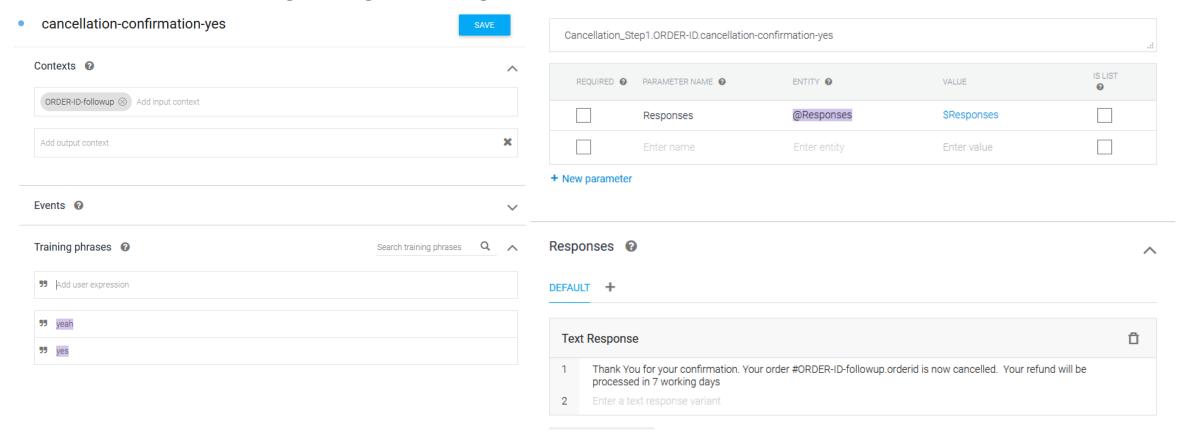
For illustration purpose, the order id consists of 2 letters followed by 4 numbers. Any order-id that doesn't follow this convention is invalid

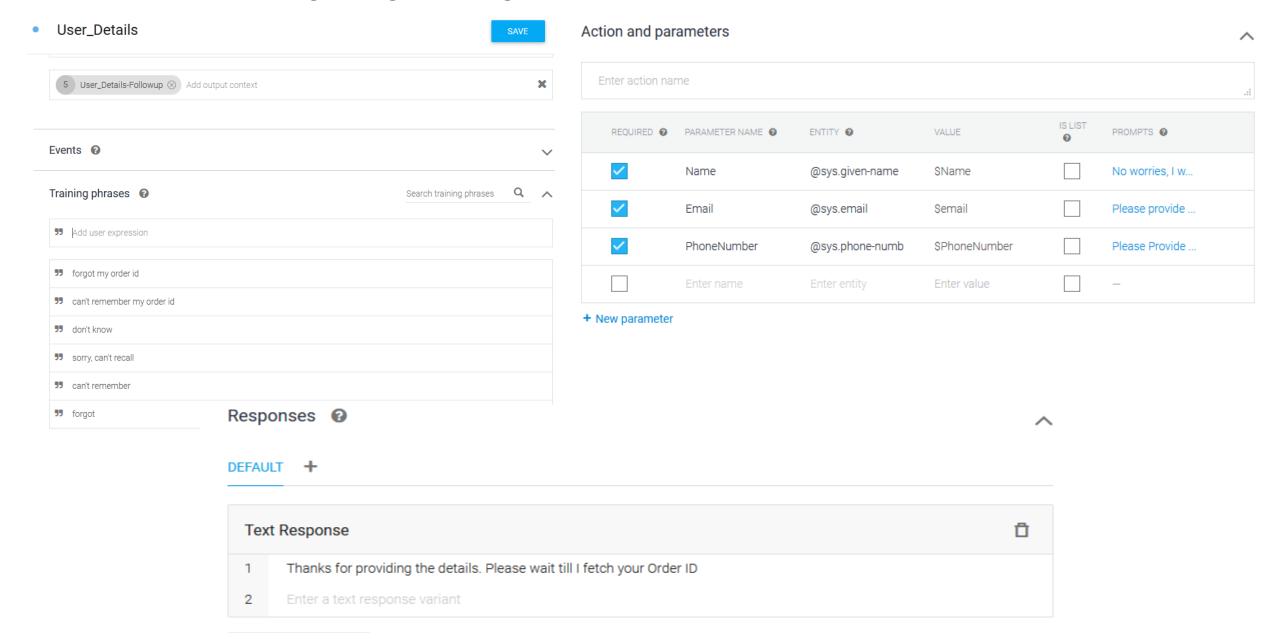
IS LIST

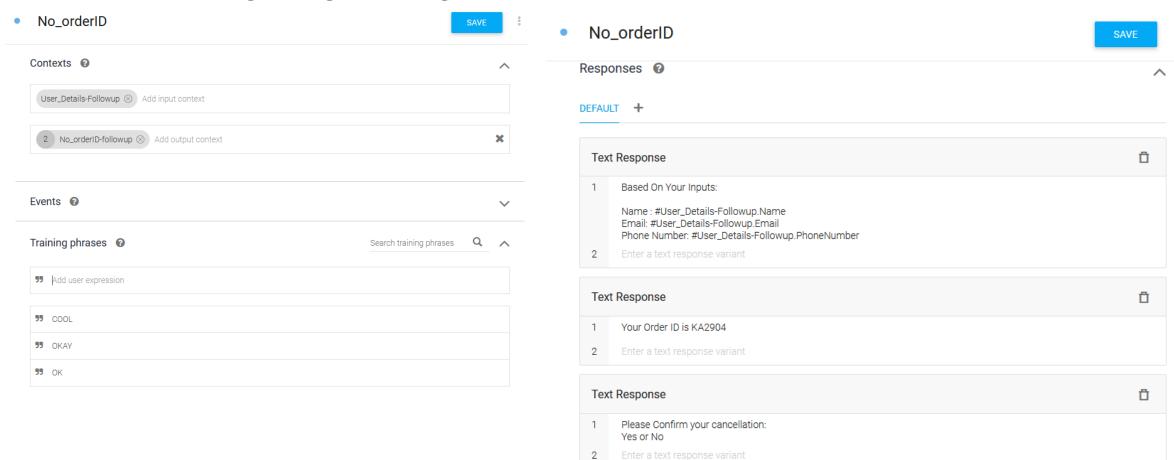
^

Ü









Deployment Using Telegram

Thursday, February 11, 2021 6:30:49 AM

ECOM CHAMPBOT 6:30:54 AM Good day! This is Ecom_CHAMP, your personal assistant. What

Swapna Samir

can I do for you today?

/start

CANCEL

6:31:03 AM Swapna Samir

ECOM_CHAMPBOT 6:31:07 AM

I am so sorry to hear that. Can you please help me with your Order ID?

Swapna Samir 6:31:18 AM DON'T KNOW

ECOM_CHAMPBOT 6:31:22 AM No worries, I will get it for you. But I would need some details.

Please Provide your Name

6:31:26 AM Swapna Samir



6:31:26 AM Swapna Samir SAM

ECOM_CHAMPBOT 6:31:29 AM Please provide your email address

Swapna Samir 6:31:36 AM SAM@MAIL.COM

ECOM_CHAMPBOT 6:31:39 AM Please Provide your Phone Number

Swapna Samir 6:31:46 AM

ECOM_CHAMPBOT 6:31:49 AM

Thanks for providing the details. Please wait till I fetch your Order ID

6:31:52 AM Swapna Samir

1234567890

ECOM_CHAMPBOT 6:31:55 AM

Based On Your Inputs:

Name : Sam

Email: SAM@MAIL.COM Phone Number: 1234567890

Your Order ID is KA2904 6:31:55 AM

Please Confirm your cancellation: 6:31:55 AM

Yes or No

6:32:07 AM Swapna Samir

YES

ECOM CHAMPBOT 6:32:09 AM

> Thank You for your confirmation. Your order KA2904 is now cancelled. The Refund will be processed in 7 working days

Live Demo at

t.me/ECOM CHA MP BOT