PREDICTIVE ANALYTICS Dialogflow chatbot

SUBMITTED BY

M.Sandhya

21MBMB25

Dialogflow Chatbot

Dialogflow is one of the best tool out there for building chatbots. Dialogflow is really easy to use as well. In this blog post, I will highlight some of the best practices that one should follow while building chatbots on Dialogflow.

Start with a Flow chart for Hotel Booking:

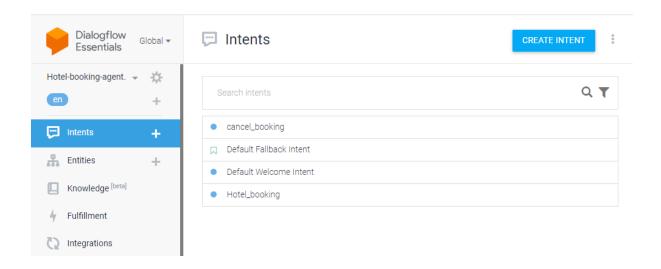
Before going into Dialogflow and start creating Intents and Entities, what you really need to do is visualise the conversation flow that you want your bot to have with the users. The best way to do that is by creating a mind map or a flow chart.

You can start by simply drawing the flow on a pen and paper but there are a few tools out there which can help you in the process.

Naming convention for Dialogflow intents for Hotel Booking:

Right now, there is no way to organise Dialogflow intents into a logical way. There is no option to create a Folder or Sort Intents in some way or another. So the approach we follow is add some numbers or alphabets before our Dialogflow intent name so that intents are sorted by number or alphabets.

Customers who want to book hotel room, this chatbot help them to make it possible through chat.



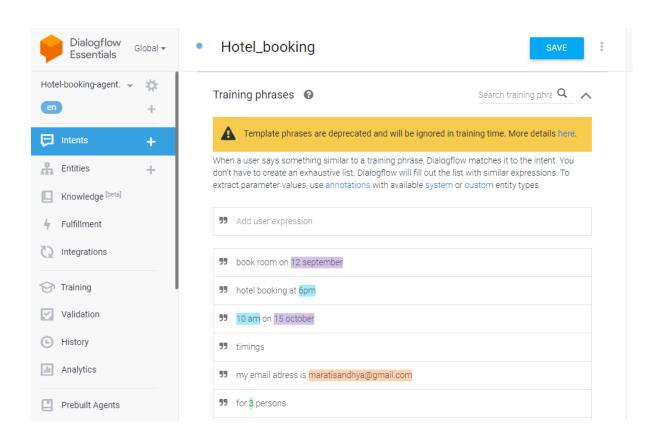
In this way, we can organise the intents when the list grows bigger and also we can keep the related intents together even if their names are not similar.

Use Context and Follow up Intents

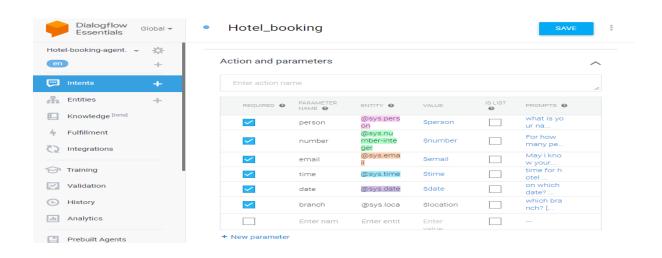
1.Hotel_Booking intent:

Create hotel_booking intent to book the hotel room .Always try to use Contexts and Follow up intents as much as you can. Give contect to Training phrases, action and parameters, and response to give context aware answers, it feels more natural to the user while talking to your bot.

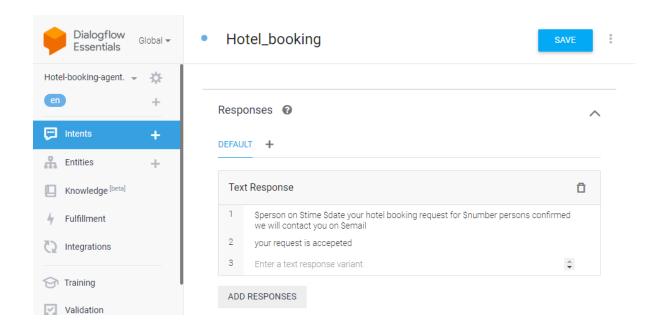
a)Training phrases:



B)Action and Parameter:



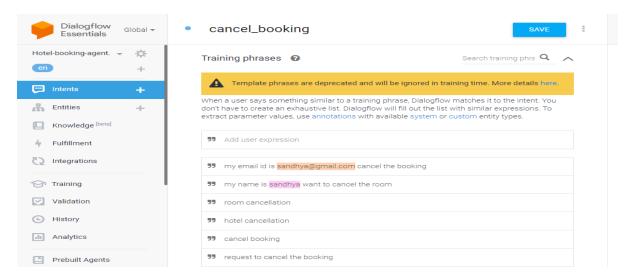
C)Text Response:



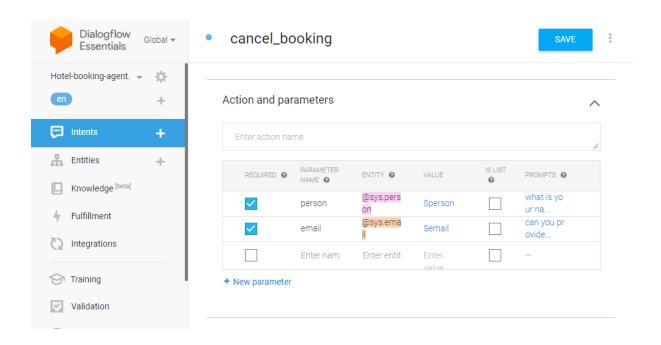
2) Cancel_Booking intent:

Now create cancel_booking intent to cancel the hotel room. Due to many reasons customers want to cancel the hotel booking.

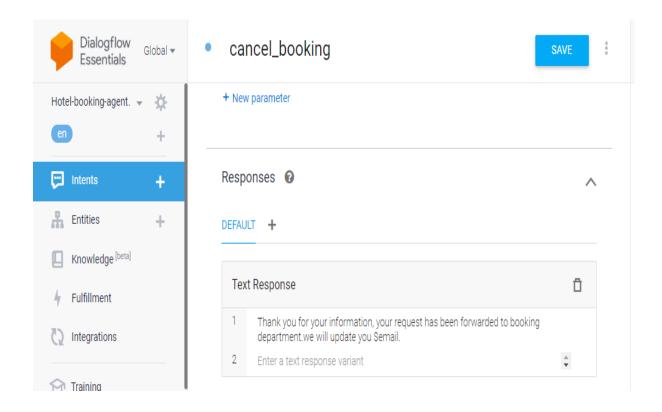
Training phrases:



Action and Parameters:



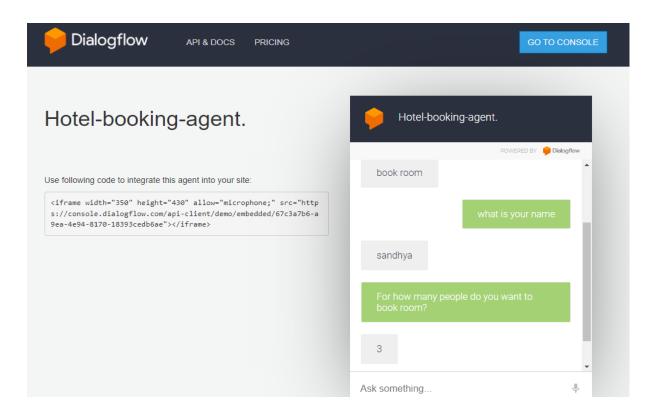
Text response:



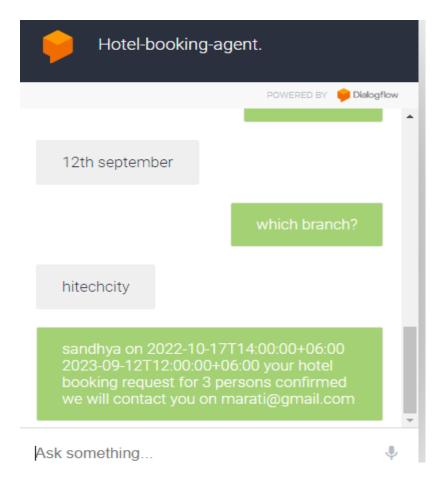
Web demo for

1)Hotel booking:

Below is a follow up intent where user is trying to book a hotel through chatbot.



Confirmation for hotel booking:



2)cancel booking:

Below is a follow up intent where user is trying to cancel their hotel booking through chatbot.



Conclusion:

It is very important that your bot can provide dynamic responses based on question asked. Always give your bot users an option to restart the conversation if they are stuck somewhere. It could be a simple message saying "If you want to restart the conversation, please say Hi". This is not ideal but at-least your users would be able to continue conversation with the bot if they are stuck somewhere.

This chatbot make customers to book and cancel the hotel booking easily within fractions.