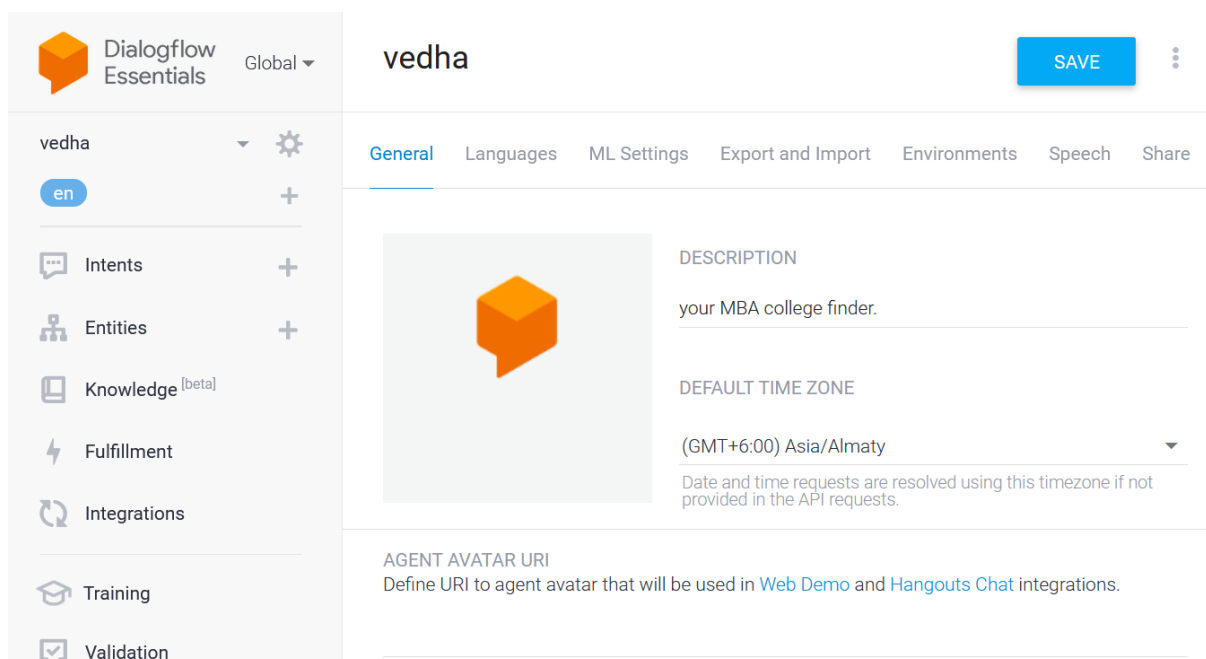


Overview

“Vedha – your MBA college finder” is a chatbot which helps students in finding MBA colleges accordingly. Vedha asks details about the student (CAT Score, Category etc) and displays the list of colleges based on it.

Construction of Chatbot

- Chatbot is created in with the help of web application “dialogflow”.
- Agent name should be assigned along with optional description. Name given is “Vedha” along with the description “your MBA college finder”.



- Next, Intents should be given.

An intent categorizes an end-user's intention for one conversation turn. For each agent, you define many intents, where your combined intents can handle a complete conversation. Intents are meant to be the messages or responses from the user.

- First, A default welcome intent is given. This is first text that a user is expected to write to chatbot. He/She starts conversation with this message. It might be a query type of a message or a greeting message like Hi. This is called as Training Phrase.

Here is the list of few Training Phrases:

” i need colleges list
” there?
” i need tickets
” just going to say hi
” hello hi
” <u>howdy</u>
” hey there
” hi there
” greetings
” hey

- Next create an intent which is most important intent in construction of chatbot. Name is given as “college list”. This is where chatbot messages are built and structured. “Create Intent” function is used to create a new intent. All the expected replies from user, after first message from chatbot, are mentioned here.

” hmm
” right
” yes
” i want to know the list



- Then in Intents, Actions and parameters are written.

Dialogflow sends an API interaction response for each step of slot filling. For each of these slot filling responses, the intent and action will be the same, and the parameters collected so far will be provided. When building an agent, you provide prompts that the agent will use to get parameter data from the end-user.

Here are few of them:

Action and parameters



REQUIRED ?	PARAMETER NAME ?	ENTITY ?	VALUE	IS LIST ?	PROMPTS ?
<input checked="" type="checkbox"/>	state	@sys.ai	\$state	<input type="checkbox"/>	Which state y ou...
<input checked="" type="checkbox"/>	branch	@sys.ai	\$branch	<input type="checkbox"/>	Which speciali s...  
<input checked="" type="checkbox"/>	rank	@sys.n	\$rank	<input type="checkbox"/>	What's your CA T...
<input checked="" type="checkbox"/>	gender	@sys.ai	\$gender	<input type="checkbox"/>	your ge n der? {M...
<input checked="" type="checkbox"/>	caste	@sys.ai	\$caste	<input type="checkbox"/>	Which categor y ...


These details are given by the user. They are collected to match colleges with student's rank, etc. Users need to type the details. They appear one after other as a question.

- The next intent that should be given is response. Responses are written in the next step. This is the last message a user receives from bot. We can make this is as last response by checking a box which says, "set this intent as end of conversation". A list of colleges is written here.

Responses ?




DEFAULT +

Text Response		
1	Thank You. based on the information you shared, List of colleges you have a chance to get into is as follows: Kantara Institute for management, DFMR, ISBC, William University, farooqi Business School, Oaktree Institute of International Business. All the Best :)	
2	Thank You. based on the information you shared, List of colleges you have a chance to get into is as follows: IMCD - Ashok Nagar, Mahadeva Institute of Commerce, TATA Business School, Aditya University, JASIS, Pride Institue of Banking. All the Best :)	
3	Thank You. based on the information you shared, List of colleges you have a chance to get into is as follows: Valmiki University, Nehru National Institute of Technology, IMCR, VLISM, Iqbal school of media and communication. All the Best :)	


- Next comes giving entities.

Entities are a mechanism in Dialogflow for identifying and extracting useful data from natural-language inputs. While intents allow your agent to understand the motivation behind a particular user input, entities are used to pick out specific pieces of information that your users mention—anything from street addresses to product names and amounts with units. Any important data that you want to get from a user's request will have a corresponding entity.

3 entities were given because of necessity. They are as follows:

 **Entities** CREATE ENTITY

Custom System



@ Category
@ Gender
@ Specialisation

These 3 entities have classification in them. Example: In Gender, there are 3 types: Male, Female, Others.

User needs to write only one among them.

- Finally, Link of the chatbot is obtained through “integrations” -> “Web Demo” feature where u also can test the bot. If there are any faults, Rectifications should be done.

Web Demo

Test the agent on its own page. Share the link to the page or embed the ` widget in other websites to get conversations going. [More in documentation](#).

<https://bot.dialogflow.com/d845fd4e-44d5-4739-8672-9efe6db4d960>


- Finally, this is how our bot looks and talks:


vedha

your MBA college finder.


Use following code to integrate this agent into your site:


```
<iframe width="350" height="430" allow="microphone;" src="https://console.dialogflow.com/api-client/demo/embedded/d845fd4e-44d5-4739-8672-9efe6db4d960"></iframe>
```

 vedha
your MBA college finder.

POWERED BY  Dialogflow

Ask something...

 vedha
your MBA college finder.

POWERED BY  Dialogflow

Which specialisation(s) you are interested in? Type all if you any specialisation is fine for you


HR, marketing


What's your CAT percentile?

79

your gender? {Male or Female or Others}

Ask something...

 vedha
your MBA college finder.

POWERED BY  Dialogflow

hi

Hello student :) Looks like you want to know which college you might get into. type yes if I am right.

yes

Which state you want to pursue your MBA?

kerala

Ask something...



vedha

your MBA college finder.

POWERED BY  Dialogflow

What is the maximum amount of fee you can pay for 2 years (with the help of education loan)

677779

Thank You. based on the information you shared, List of colleges you have a chance to get into is as follows: Valmiki University, Nehru National Institute of Technology, IMCR, VLISM, Iqbal school of media and communication. All the Best :)

Ask something...
