SpotMyDot Chatbot - fiverr

VIDEO DEMONSTRATION:

https://www.awesomescreenshot.com/video/5024025?key=2c582ceb4e632c2a71d5f5c3563d6a89

I have also provided this video in ".webm" format.

ARCHITECTURE:

Dialogflow is used for chatbot development and Webhook is written in FLASK (python).

Chatbot will be integrated with Mobile Application (later by another developer)

WHAT YOU NEED TO DO?

FOR DIALOGFLOW:

Sign In in Dialogflow account (using your google account).

Create an agent (at left side you will find).

Click on gear icon and then go to IMPORT AND EXPORT. Export **the zip file (provided by me)**

FOR WEBHOOK:

You need to deploy **.py file (provided by me)**, Currently I am doing it with Ngrok.

DESCRIPTION ON HOW I HAVE IMPLEMENTED THIS CHATBOT:

Flow is discussed below in form of intents implementation. I have also added comments in .py file.

`#ferching name of a user during whole conversation`

This function is fetching name of a user to keep this active throughout an whole conversation.

"API-url2" is used to fetch user name.

`#introduction of chatbot`

In this intent, Chatbot is introducing itself and providing two options , startnow(signup) and login

`#Collecting all info during signup process`

In this intent, Chatbot is collecting 6 parameters from users:

Name, User Id, Password (mandatory). Age, Image, Medical History(optional)

Note:

User id should be a valid id like @xyz.com

password should atleast contains 7 letters, numbers, special characters

image should be in .jpeg format

All these parameters will be hit on "API-url4" and if status will be "OK", User can move forward otherwise chatbot will return an error and give a chance to signup again.

#successfully created an account now chatbot is asking user to login here

After successfully login, Chatbot will ask user to LOGIN or Go back.

#If account not created (due to incomplete info/ wrong info) chatbot is giving a chance to signup again

If user provides wrong info then this intent will give a chance to signup again (properly)

#Login process

In this intent, Chatbot will ask user to provide info: User id and password.

Both parameters will be hit on "API-url1" and if status will be "OK", User can move forward (Ava will join the user to talk with him) otherwise chatbot will return an error and give a chance to signup again.

#While login (due to incomplete info/ wrong info) chatbot is giving a chance to login again

If incorrect credentials then chatbot will give a chance to login again.

#After successfully login chatbot is asking to capture a picture of mole

Chatbot will ask user for picture/image of mole/birth mark, It will provide 2 options to user:

CAMERA or UPLOAD

#After succesfully captured a picture a chatbot is asking to upload this picture for analysis

In this intent, Chatbot will ask user to upload an image and uploaded image along with user id(Output Context is set already in Dialogflow) will be hit on "API-url3".

Now chatbot will start analysis by comparing "diagnose_output" (green,yellow,red,unknown)

Results:

Green = 1, Yellow = 2, Red = 3, Unknown = 0

#Response of chatbot on different colours

After analysis, result will be shown to user according to the document provided by you.

#Back to profile if not interested to capture picture of mole

If your is not interested to move forward he/she can go back to his/her profile (Dashboard) by again hitting "API-url1". User id and password is set already (Dialogflow output context). So user doesn't need to provide login credentials again.

#schedule an appointment once got a response(result) from chatbot

In this intent, User will be asked to book a dermatologist. "API-url" will be hit here.

#reschedule an appointment

Finally, In this intent, User can reschedule an appointment.

Thanks alesto !!

If there is any anything you want to ask more.

Feel free to ask.

Regards,

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