

PART B. BUILDING CHATBOT FOR PIZZA DELIVERY USING AMAZON LEX

CSCI – 5410 SERVERLESS DATA PROCESSING

ASSIGNMENT – 2

SUBMITTED BY:

DHRUV DOSHI dh72257@dal.ca

For developing this chat bot I have made two different intents,

- Deliver Pizza
- Pickuppizza

Both of this intents needed diffent set of questions hence having then distinguished helped a lot to simplyfy the bot. Hence after dividing them it two it is easy to work with bot.

SCREENSHOTS

Intents and Slot types for Deliver Pizza

Intents

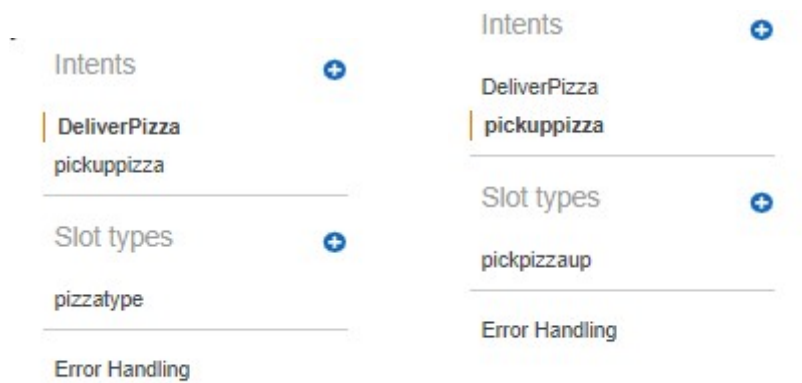
- DeliverPizza
- PickuiPizza

DeliverPizza

- pizzatype

Pickup Pizza

- pickpizzaup



What kind of sentence will trigger the bot. Here saying veg pizza will invoke the bot and save the pizza type to veg by itself.

Sample utterances ⓘ

e.g. I would like to book a flight. +

{Pizza} pizza *

I would like to get pizza delivered *

order pizza to home *

deliver pizza *

pizza for delivery *

Sample utterances for Pickup pizza

▼ Sample utterances ⓘ

e.g. I would like to book a flight. +

pickup pizza ✕

{Pizzatype} Pizza from {Location} at {time} ✕

{Pizzatype} pizza pickup ✕

pickup ✕

I would like to pickup pizza ✕

This shows that how many parameters will be asked by the bot before the confirmation for the order. Here Email id is optional for user if they want then they could add it.

▼ Slots ⓘ

Priority	Required	Name	Slot type	Version	Prompt	Settings
		e.g. Location	e.g. AMAZON.U...		e.g. What city?	+
1.	✓	Pizza	pizzatype	1	which pizza you would like to order	✕
2.	□	Email	AMAZON.Email...	Built-in	Please enter your email	✕
3.	✓	Address	AMAZON.Postal...	Built-in	Please enter your postal address	✕
4.	✓	Date	AMAZON.DATE	Built-in	Enter the date on which you would like to pickup	✕
5.	✓	Time	AMAZON.TIME	Built-in	Please let us know your preferred time	✕

Parameters for the pickup side of the bot

▼ Slots ⓘ

Priority	Required	Name	Slot type	Version	Prompt	Settings
		e.g. Location	e.g. AMAZON.U...		e.g. What city?	+
1.	✓	Pizzatype	pickpizzaup	1	Which pizza you want to choose,	✕
2.	✓	time	AMAZON.TIME	Built-in	When will you pick your {Pizzatype}	✕
3.	✓	Location	AMAZON.Street...	Built-in	Which outlet would you prefer for	✕

- Confirmation prompt ⓘ

This is the confirmation prompt given to the user for the confirmation of the order.

▼ Confirmation prompt ⓘ

☒ Confirmation prompt

Confirm

Okay, you choose {Pizza} and get the order on {Date} and {Time} at {Address}	⚙
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Cancel (if the user says "no")

Okay, I will not place your order.	⚙
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— Fulfillment ⤴

This is the confirmation prompt given to the user for the confirmation of the pickup order.

▼ Confirmation prompt ⓘ

☒ Confirmation prompt

Confirm

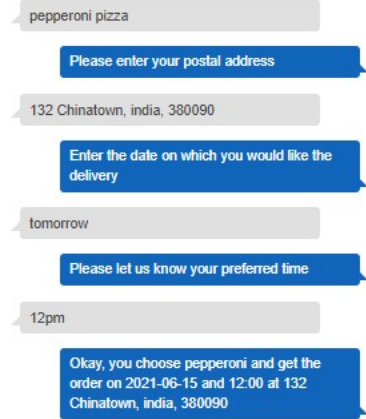
Okay, you choose {Pizzatype} and pick the order up on {time} from {Location}	⚙
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Cancel (if the user says "no")

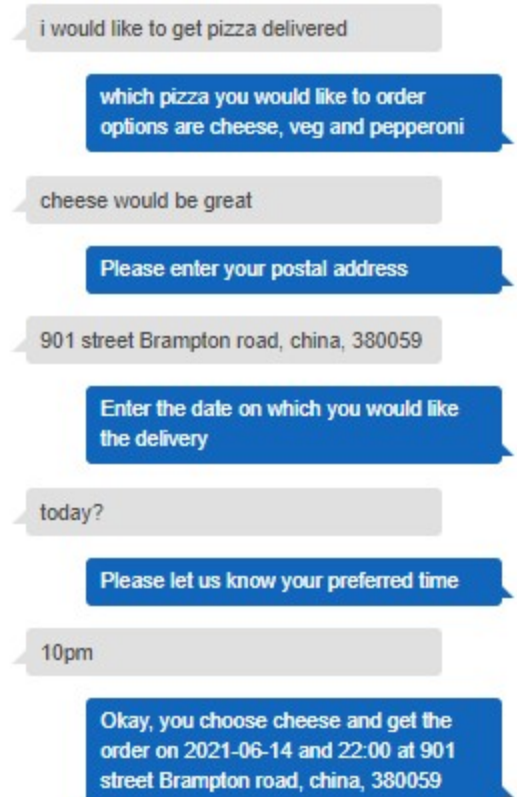
Okay, I will not place your order.	⚙
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Now this is the screenshot which shows that how the user will order with the help of the bot. Here the pizza type is auto declared by the user.

Here the bot replies with the confirmed order at the end of the conversation.



This is the example of bot conerstion where every question is asked and at the end it gives the order. Here you can see that today as the devlievery date also work and the time is converted to 24 hrs.



With a whole sentence containing all the required information we could also place the order as shown in this image. This is really easy. No hassle.

By giving the pizza name also we could invoke the bot. This example perfectly shows how that works.

This is the complete example of the bot asking for every information and then giving the confirmation message.

Veg Pizza from Brampton street, Chennai at 8:00pm

Okay, you choose Veg and pick the order up on 20:00 from Brampton street, Chennai

cheese pizza pickup

When will you pick your cheese pizza up? (Today only)

9:00PM

Which outlet would you prefer for the pickup

abc street, ahmedabad

Okay, you choose cheese and pick the order up on 21:00 from abc street, ahmedabad

pickup pizza

Which pizza you want to choose, our options are veg, cheese and pepperoni

cheese

When will you pick your cheese pizza up? (Today only)

8:00PM

Which outlet would you prefer for the pickup

dalhousie lane, halifax

Okay, you choose cheese and pick the order up on 20:00 from dalhousie lane, halifax