

project 2 :

chatbot to shop for essentials during pandemic using Watson

This project represents a chatbot to shop for essentials during lockdown to create this chatbot we create:

- Intents : each intent must include all possibility of questions that can be posed by user.
- Entities : they represent the keywords for each intents.
- Dialog skill where we will use these intents and entities.
- Node-red which is a visual tool for wiring the internet of things in this chatbot.

A. Intent:

1) Greeting intent :

The screenshot shows the IBM Watson Assistant Lite interface for creating a new intent. The header bar includes 'IBM Watson Assistant Lite', an 'Upgrade' button, and a 'Learning center' link. The breadcrumb trail shows '← | #greeting'. The main form has the following sections:

- Intent name:** A text box containing '#greeting'.
- Name your intent to match a customer's question or goal:** A placeholder text.
- Description (optional):** A text box with the placeholder 'Add a description to this intent'.
- User example:** A text box with the placeholder 'Type a user example here'. Below it is a note: 'Add unique examples of what the user might say. (Pro tip: Add at least 5 unique examples to help Watson understand)'.
- Recommended examples:** A sidebar on the right with a 'Plus' button, a paragraph of text about recommendations, and a 'Show recommendations' button.
- Annotations:** A toggle switch for 'Annotate entities' with a 'What's this?' link.
- User examples list:** A table with 4 examples. The first example is 'Good afternoon'. The table has columns for 'User examples (4) ↑', 'Added ↑↓', and 'il y a 10 jours'.
- Footer:** 'Showing 1-4 of 4 examples' and a pagination bar showing '1 1 of 1 pages'.

2) Order intent: the user should deposit his order specifying the item , the quantity , the way of payment, his name and his phone number.

IBM Watson Assistant LiteUpgrade

Learning center?@

← | #order

Last updated: il y a 10 jours

↓🗑️🔍Try it

Intent name

order

Name your intent to match a customer's question or goal

Description (optional)

Add a description to this intent

User example

Type a user example here

Add unique examples of what the user might say. (Pro tip: Add at least 5 unique examples to help Watson understand)

Add example

Recommended examples Plus

User example recommendations makes it easier to identify new phrasing for your intents. Watson Assistant will recommend new user examples. [Learn more](#)

Show recommendations

Annotate entities What's this?

☐ User examples (3) ↑

Added ↑↓

Showing 1-3 of 3 examples

1 1 of 1 pages

3)The intent covid : through this intent the user is able to be informed about covid.

IBM Watson Assistant LiteUpgrade

Learning center?@

← | #covid

Last updated: il y a 10 heures

↓🗑️🔍Try it

Intent name

covid

Name your intent to match a customer's question or goal

Description (optional)

Add a description to this intent

User example

Type a user example here

Add unique examples of what the user might say. (Pro tip: Add at least 5 unique examples to help Watson understand)

Add example

Recommended examples Plus

User example recommendations makes it easier to identify new phrasing for your intents. Watson Assistant will recommend new user examples. [Learn more](#)

Show recommendations

Annotate entities What's this?

☐ User examples (3) ↑

Added ↑↓

☐ what's covid?

il y a 10 heures

Showing 1-3 of 3 examples

1 1 of 1 pages

4) The intent enquiry : the user will be informed about the list of items , the prices of vegetables and the present discounts.

IBM Watson Assistant Lite

Upgrade

Learning center

?

👤

←

#Enquiry

Last updated: il y a 10 jours

↓

🗑️

🔍

💬 Try it

Intent name

#Enquiry

Name your intent to match a customer's question or goal

Description (optional)

Add a description to this intent

User example

Type a user example here

Add unique examples of what the user might say. (Pro tip: Add at least 5 unique examples to help Watson understand)

Add example

Recommended examples

Plus

User example recommendations makes it easier to identify new phrasing for your intents. Watson Assistant will recommend new user examples. [Learn more](#)

Show recommendations

Annotate entities

What's this?

☐ User examples (8) ↑

Added ↑↓

☐ are there any discounts?

il y a 10 jours

Showing 1–8 of 8 examples

1 ▾

1 of 1 pages

◀

▶

B. Entity:

1) Greeting entity:

IBM Watson Assistant Lite

Upgrade

Learning center

?

👤

←

@greeting

Last updated: il y a quelques secondes

↓

🗑️

🔍

💬 Try it

Entity name

@greeting

Name your entity to match the category of values that it will detect.

Value

Type a value

Synonyms

Synonyms ▾

Type a synonym

+

Add value

🔮 Recommend synonyms

Fuzzy matching ⓘ

On

Dictionary (4)

Annotation (0)

☐ Values (4) ↑

Type

☐ good afternoon

Synonyms

gf

Showing 1–4 of 4 values

1 ▾

1 of 1 pages

◀

▶

2)Enquiry entity:

IBM Watson Assistant Lite

Upgrade

Learning center

?

←

@Enquiry

Last updated: il y a quelques secondes

↓

🗑

🔍

💬 Try it

Entity name

@Enquiry

Name your entity to match the category of values that it will detect.

Fuzzy matching ⓘ
☒ On

Value

Synonyms

▼

+

Add value

🔍 Recommend synonyms

Dictionary (8)

Annotation (0)

☐ Values (8) ↑

Type

☐ discounts

Synonyms

Showing 1–8 of 8 values

1 ▼

1 of 1 pages

◀

▶

3)Items entity:

IBM Watson Assistant Lite

Upgrade

Learning center

?

←

@items

Last updated: il y a quelques secondes

↓

🗑

🔍

💬 Try it

Entity name

@items

Name your entity to match the category of values that it will detect.

Fuzzy matching ⓘ
☒ On

Value

Synonyms

▼

+

Add value

🔍 Recommend synonyms

Dictionary (6)

Annotation (0)

☐ Values (6) ↑

Type

☐ lemons

Synonyms

Showing 1–6 of 6 values

1 ▼

1 of 1 pages

◀

▶

4)Payment entity:

IBM Watson Assistant Lite

Upgrade

Learning center

?

←

@payment

Last updated: il y a quelques secondes

↓

🗑

🔍

💬 Try it

Entity name

@payment

Fuzzy matching ⓘ

🟢 On

Name your entity to match the category of values that it will detect.

Value

Synonyms

▼

Type a synonym

+

Add value

🔍 Recommend synonyms

Dictionary (2)

Annotation (0)

<input type="checkbox"/> Values (2) ↑	Type
<input type="checkbox"/> card	Synonyms

Showing 1–2 of 2 values

1

▼

1 of 1 pages

◀

▶

5)Covid entity:

IBM Watson Assistant Lite

Upgrade

Learning center

?

←

@covid

Last updated: il y a quelques secondes

↓

🗑

🔍

💬 Try it

Entity name

@covid

Fuzzy matching ⓘ

🟢 On

Name your entity to match the category of values that it will detect.

Value

Synonyms

▼

Type a synonym

+

Add value

🔍 Recommend synonyms

Dictionary (3)

Annotation (0)

<input type="checkbox"/> Values (3) ↑	Type
<input type="checkbox"/> covid	Synonyms
<input type="checkbox"/> protect	Synonyms

Showing 1–3 of 3 values

1

▼

1 of 1 pages

◀

▶

6)Name entity:

IBM Watson Assistant Lite Upgrade Learning center ?

← | @name Last updated: il y a quelques secondes Try it

Entity name
@name

Name your entity to match the category of values that it will detect.

Value
Type a value

Synonyms
Type a synonym

Add value Recommend synonyms

Dictionary (6782) Annotation (0)

Values (6782) ↑	Type
Ahmed	Synonyms

Showing 1–100 of 6782 values 1 1 of 68 pages

C. Dialog :

1) Greeting:

IBM Watson Assistant Lite Upgrade Learning center ?

shop Save new version Try it

Intents Entities Dialog Options Analytics Versions Content Catalog

Add node Add child node Add folder

Welcome
welcome
1 Responses / 0 Context Set / 0 Slots / Does not return

greeting
#greeting || @greeting
4 Responses / 0 Context Set / Does not return

Enquiry
#Enquiry || @Enquiry
8 Responses / 0 Context Set / Does not return

order
#order
1 Responses / 5 Context Set / 5 Slots / Does not return

greeting

Node name will be shown to customers for disambiguation so use something descriptive. Settings

#greeting or @greeting

Assistant responds

	If assistant recognizes	Respond with
1	@greeting:(good morning)	good morning , how can i help ?
2	@greeting:(good afternoon)	good afternoon , how can i help
3	@greeting:hi	hi , how can i help you?

2)Enquiry:

IBM Watson Assistant Lite Upgrade Learning center ?

shop

Intents Entities Dialog Options Analytics Versions Content Catalog

Add node Add child node Add folder

Welcome
welcome
1 Responses / 0 Context Set / 0 Slots / Does not return

greeting
#greeting || @greeting
4 Responses / 0 Context Set / Does not return

Enquiry
#Enquiry || @Enquiry
8 Responses / 0 Context Set / Does not return

order
#order
1 Responses / 5 Context Set / 5 Slots / Does not return

Enquiry

Node name will be shown to customers for disambiguation so use something descriptive. Settings

#Enquiry or @Enquiry +

Assistant responses

	If assistant recognizes	Respond with
1	@Enquiry:discounts	20% off on canned foods
2	@Enquiry:list	Image
3	@Enquiry:potatoes	2.5 DT

3) Order:

IBM Watson Assistant Lite Upgrade Learning center ?

shop

Intents Entities Dialog Options Analytics Versions Content Catalog

Add node Add child node Add folder

Welcome
welcome
1 Responses / 0 Context Set / 0 Slots / Does not return

greeting
#greeting || @greeting
4 Responses / 0 Context Set / Does not return

Enquiry
#Enquiry || @Enquiry
8 Responses / 0 Context Set / Does not return

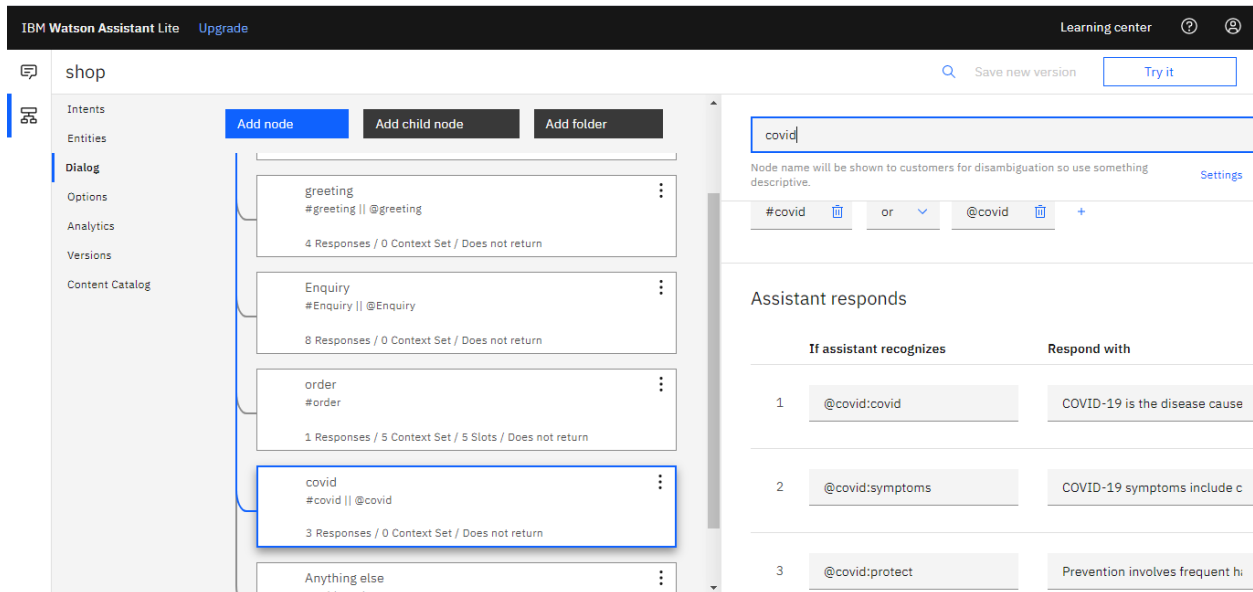
order
#order
1 Responses / 5 Context Set / 5 Slots / Does not return

order

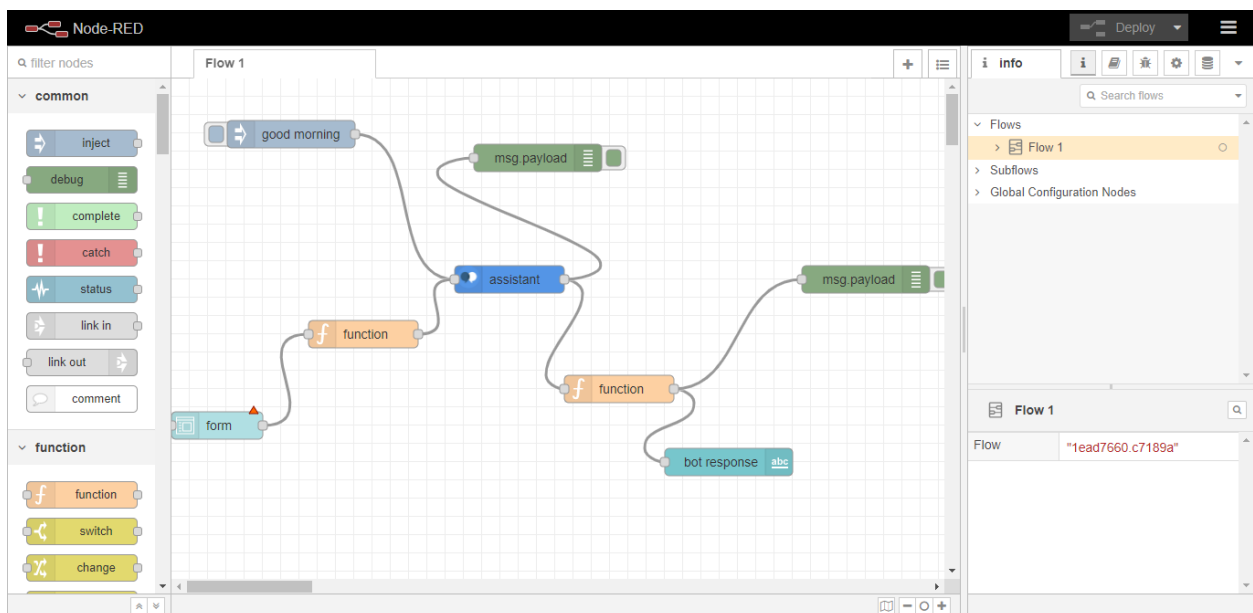
Node name will be shown to customers for disambiguation so use something descriptive. Settings

1	@items	\$items	what is the ite	Req
2	@sys-number	\$number	what is the qu	Req
3	@payment	\$payment	the offers , ca	Req
4	@name	\$name	write your na	Req
5	@sys-number	\$number_2	write your phc	Req

4) Covid:



D. Node-Red:



E. FeedBack:

This project was a little uneasy if it wasn't with the help of this platform i would've not been able to finish it properly it gave what exactly i'm supposed to do and guided me step by step to get this faar

And it provided me also with the tools i needed

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