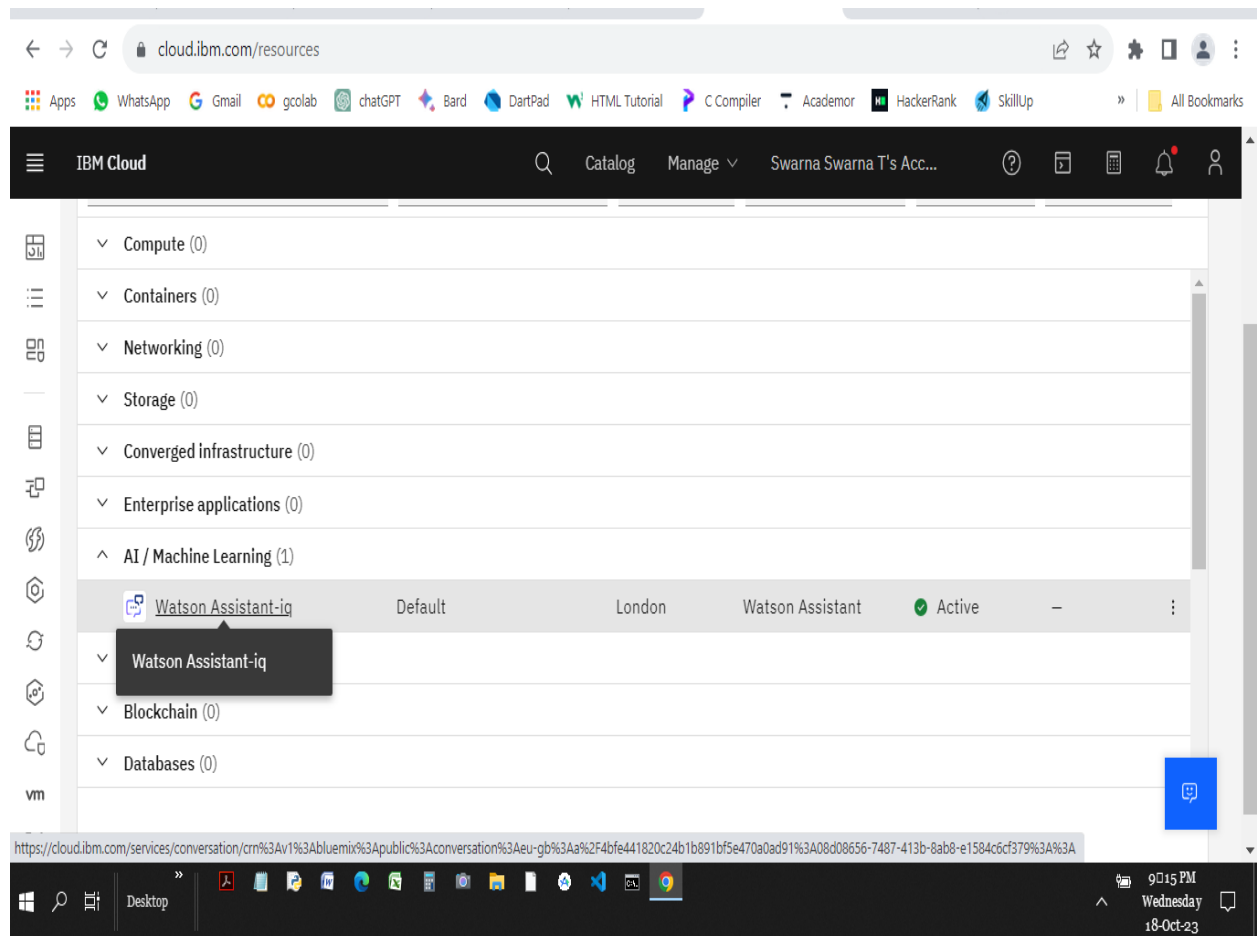


PHASE 3

PROJECT TITLE: Chatbot Deployment with IBM Cloud Watson Assistant

In this phase , we start building our chatbot using IBM watson assistant

Step1: The first step is to create a watson assistant



Step 2: In this step ,we create intents that helps the assistant to understand user inputs

eu-gb.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aeu-gb%3Aa%2F4bfe441820c24b1b8...

Apps WhatsApp Gmail gcolab chatGPT Bard DartPad HTML Tutorial C Compiler Academor HackerRank SkillUp All Bookmarks

IBM watsonx Assistant Lite Upgrade ordering bot Learning resources ?

Dialog Try it

Intents

Entities Dialog Options Webhooks Disambiguation Autocorrection Algorithm Version Upload / Download Content Catalog

Intents (6) ↑ Description Modified ↑↓ Examples ↑↓

<input type="checkbox"/> #burger		13 minutes ago	5
<input type="checkbox"/> #greetings		5 hours ago	5
<input type="checkbox"/> #initial		an hour ago	5
<input type="checkbox"/> #noodles		4 minutes ago	5
<input type="checkbox"/> #pizza		18 minutes ago	5
<input type="checkbox"/> #thanks		a minute ago	9

Showing 1–6 of 6 intents 1 1 of 1 pages

8:40 PM Wednesday 18-Oct-23

Step 3: The next step is , we create entities. In this step we use system entities '@sys-number' to get number input from the user

The screenshot shows the IBM Watson Assistant Lite web interface. The browser address bar displays the URL: eu-gb.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aeu-gb%3Aa%2F4bfe441820c24b1b8... The page header includes 'IBM watsonx Assistant Lite', an 'Upgrade' button, a dropdown menu for 'ordering bot', and a 'Learning resources' link. The main content area is titled 'Dialog' and features a 'Try it' button. A left sidebar contains navigation options: Intents, Entities, My Entities, System Entities, Dialog, Options, Webhooks, Disambiguation, Autocorrection, Algorithm Version, Upload / Download, and Content Catalog. The 'Entities' section is active, displaying a table of system entities.

Name (5)	Description	Status
@sys-time	Extracts time mentions (at 10)	Off
@sys-date	Extracts date mentions (Friday)	Off
@sys-currency	Extracts currency values from user examples including the amount and the unit. (20 cents)	Off
@sys-percentage	Extracts amounts from user examples including the number and the % sign. (15%)	Off
@sys-number	Extracts numbers mentioned from user examples as digits or written as numbers. (21)	On

The Windows taskbar at the bottom shows the system clock as 8:40 PM on Wednesday, 18-Oct-23.

Step 4: In this step , we create dialog nodes for the flow of chat the user input is given

The screenshot displays the IBM Watson Assistant interface in a web browser. The address bar shows the URL: `eu-gb.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aeu-gb%3Aa%2F4bfe441820c24b1b8...`. The browser's bookmark bar includes links to Apps, WhatsApp, Gmail, gcolab, chatGPT, Bard, DartPad, HTML Tutorial, C Compiler, Academor, HackerRank, SkillUp, and All Bookmarks. The IBM Watson Assistant header includes 'Life', 'Upgrade', 'ordering bot', and 'Learning resources'.

The main interface is divided into three sections:

- Left Panel (Navigation):** Contains 'Intents', 'Entities' (with 'My Entities' and 'System Entities' sub-sections), 'Dialog' (highlighted), 'Options', and 'Content Catalog'.
- Center Panel (Dialog Flow):** Shows a sequence of dialog nodes:
 - Welcome**: #greetings, 1 Responses / 0 Context Set / Does not return.
 - start**: #initial, 1 Responses / 0 Context Set / Does not return.
 - pizza**: #pizza || @sys-number:1, 1 Responses / 0 Context Set / Jump to / Return allowed.
 - burger**: #burger || @sys-number:2, 1 Responses / 0 Context Set / Jump to / Return allowed.
 - noodles**: #noodles || @sys-number:3, 1 Responses / 0 Context Set / Jump to / Return allowed.
 - thankyou**: #thanks.
- Right Panel (Preview):** Shows a simulated chat flow:
 - start**: A button to 'Customize'.
 - If assistant recognizes**: A list containing '#initial'.
 - Assistant responds**: A list of responses: 'how may i help you?', 'what can i do for you?', 'yes please..', and 'Enter response variation'. Below this, it states 'Response variations are set to sequential. Set to random | multiline' with a 'Learn more' link.

The Windows taskbar at the bottom shows the system clock as 8:41 PM on Wednesday, 18-Oct-23.

Step 5: After creating intents , entities and dialog nodes we check how the assistant recognizes and understands and replies for the user inputs

The image displays two screenshots of the IBM Watson Assistant Lite web interface, demonstrating a chatbot's interaction. The interface is viewed through a web browser with the URL `eu-gb.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aeu-gb%3Aa%2F4bfe441820c24b1b8...`. The top navigation bar includes 'IBM watsonx Assistant Lite', an 'Upgrade' button, a dropdown menu for 'ordering bot', and a 'Learning resources' link. The main area is titled 'Preview assistant' and features a 'Sample website' placeholder. On the right, a chat window titled 'Assistant' shows the conversation history. In the first screenshot, the chatbot greets the user with 'Hello. How can I help you?' and offers suggestions for 'pizza', 'burger', and 'noodles' after the user says 'i wanna order something'. In the second screenshot, the user has selected 'burger', and the chatbot responds with 'your order,Burger confirmed! anything else?'. The interface also includes buttons for 'Copy link to share', 'Change background', and 'Customize web chat'. The bottom of the browser window shows the Windows taskbar with the time '8:43 PM Wednesday 18-Oct-23'.

