## **Chatbot Deployment with IBM Cloud Watson Assistant**

## **Problem Definition:**

The project involves creating a chatbot using IBM Cloud Watson Assistant. The goal is to develop a virtual guide that assists users on messaging platforms like Facebook Messenger and Slack. The chatbot should provide helpful information, answer frequently asked questions (FAQs), and offer a friendly conversational experience. The project includes designing the chatbot's persona, configuring responses, integrating with messaging platforms, and ensuring a seamless user experience.

## Frequently Asked Questions and it's Answers:

- 1. How can I retrieve deleted messages on Facebook Messenger?
- Facebook Messenger does not provide a straightforward way to retrieve deleted messages once they are removed.
- 2.Is it possible to use Facebook Messenger without the Messenger app?
- While Facebook encourages the use of the Messenger app, you can access Messenger through a mobile web browser or on the desktop at messenger.com.
- 3. Can I change my Messenger username or ID?
- As of my last knowledge update in January 2022, you cannot change your Messenger username or ID once it's set.
- 4. What is the storage limit for photos and videos in Messenger?
- Messenger has a storage limit for photos and videos, and older media may be deleted to make space for new content. The exact limit may vary.
- 5. How can I prevent someone from knowing I've read their message in Messenger?
- You can disable reading receipts by turning off "Send Read Receipts" in the Messenger settings, but this will also disable your ability to see when others have read your messages.
- 6. What does it mean when a message is "unsend" in Messenger?
- "Unsend" allows you to remove a message you've sent within a certain time frame. However, a notification will inform the recipient that the message was removed.
- 7. Is there a way to see who has unfriended me on Messenger?
  - Facebook and Messenger do not provide a direct feature to see who has unfriended you.
- 8. How do I prevent someone from adding me to group chats in Messenger without my permission?
- You can control who can add you to groups by adjusting your privacy settings in Messenger.

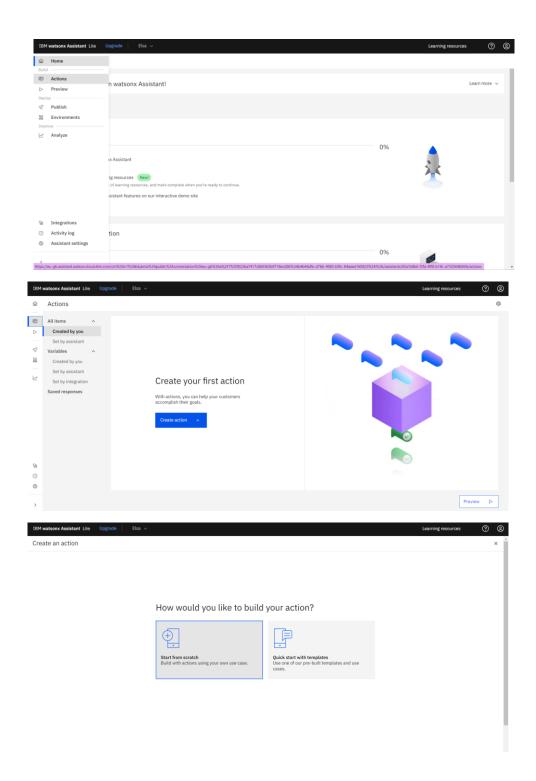
- 9. Can I use Messenger with a virtual phone number or a non-mobile number?
- Messenger often requires a valid phone number for initial setup, but you may be able to use it with a virtual or non-mobile number.
- 10. How can I clear my Messenger search history and suggestions?
- You can clear your Messenger search history by going to the settings, selecting "Privacy," and then "Clear Search History."
- 11. How do I set up Messenger for a group event or party?
- To set up Messenger for a group event, you can create a group chat, add the event details, and invite friends to join the conversation.
- 12. Can I use Messenger to order food or make restaurant reservations?
- Yes, you can use Messenger to order food and make restaurant reservations in some regions by interacting with specific restaurant chatbots.
- 13. What's the difference between a Messenger conversation and a group chat?
- A Messenger conversation is a one-on-one chat, while a group chat allows you to chat with multiple friends in the same conversation.
- 14. How can I customize the emoji reaction options in Messenger?
- You can customize emoji reaction options in a chat by holding down an existing reaction, selecting "More," and adding or removing reactions.
- 15. Is there a way to schedule messages to be sent at a later time in Messenger?
  - Currently, Messenger does not have a built-in feature to schedule messages for later.
- 16. Can I send voice messages in Messenger, and how long can they be?
  - Yes, you can send voice messages in Messenger. They can be up to one minute long.
- 17. How do I change the default thumbs-up reaction in Messenger?
- You can change the default thumbs-up reaction by tapping and holding the reaction you want to set as the default.
- 18. What are "vanishing messages," and how do they work in Messenger?
- Vanishing messages are messages that disappear after a set period. You can enable this feature in a chat by tapping the contact's name and selecting "Vanishing Messages."
- 19. Can I use Messenger for international calls, and are there any charges?
- Messenger offers international calls, but charges may apply depending on your phone plan and the destination.
- 20. How can I export or save a chat from Messenger for backup purposes?
- You can export a chat from Messenger by opening the conversation, tapping the contact's name, selecting "More," and choosing "Export Chat." You can save it as a file.

- 21. How do I set up notifications for specific contacts in Messenger?
- You can customize notifications for individual contacts by opening the chat, tapping their name, and selecting "Custom Notifications."
- 22. What's the difference between a regular call and a Wi-Fi call in Messenger?
- Regular calls use your mobile network, while Wi-Fi calls use an internet connection. Wi-Fi calls are often clearer if you have a good Wi-Fi connection.
- 23. Can I use Messenger for group video calls?
- Yes, you can make group video calls by selecting multiple contacts and tapping the video icon.
- 24. How can I share my location in Messenger?
- In a chat, tap the "More" option (it looks like three dots), then select "Location" to share your current location.
- 25. Is it possible to delete a conversation from both sides in Messenger?
- No, you can only delete a conversation from your side. The other person will still have the conversation unless they delete it themselves.
- 26. How do I invite someone to join Messenger if they don't have it installed?
- You can invite them by opening a chat, tapping their name, and selecting "Invite to Messenger."
- 27. What is the difference between the active status and last active on Messenger?
- Active status shows when you're currently using Messenger, while "last active" displays the time of your last interaction on the platform.
- 28. How do I create and send GIFs in Messenger?
  - In a chat, tap the GIF icon, search for a GIF, and send it to your friend.
- 29. Can I use Messenger for international calls or messages?
- Yes, you can use Messenger for international communication, but data charges may apply depending on your plan.
- 30. How do I access my archived messages in Messenger?
- To view archived messages, go to your chat list, tap your profile picture, and select "Archived."

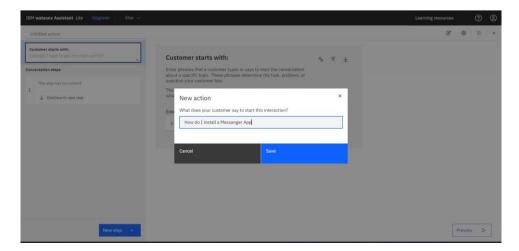
These are the questions used to train chatbot.

## Chatbot Trained with above FQS,

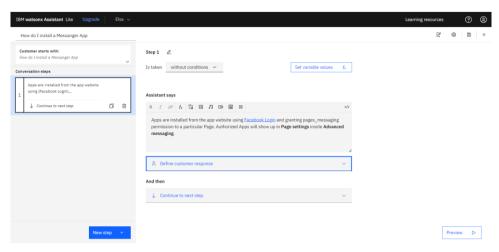
To create chatbot create new action from scratch,



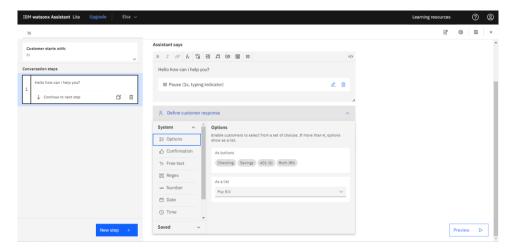
After that in new action give a question phrase which is asked by a user

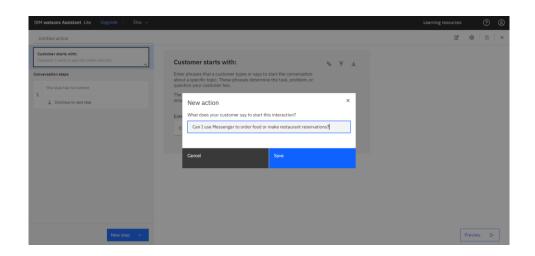


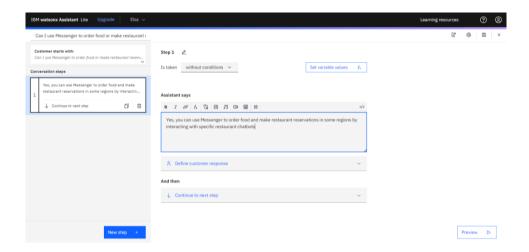
Then give Answer to that question in Assistant says box

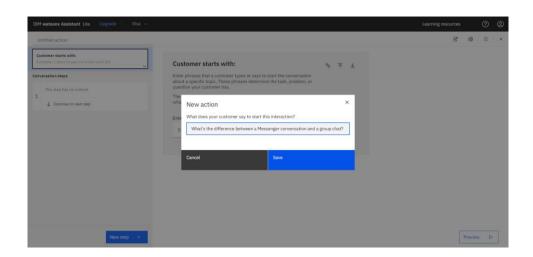


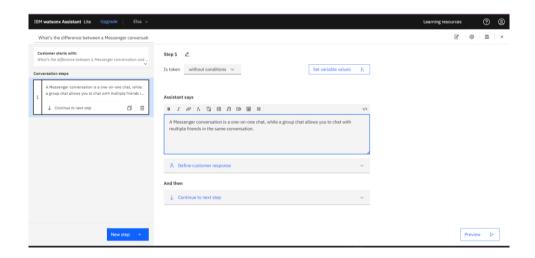
Here Select the Define Customer response for easy service to users

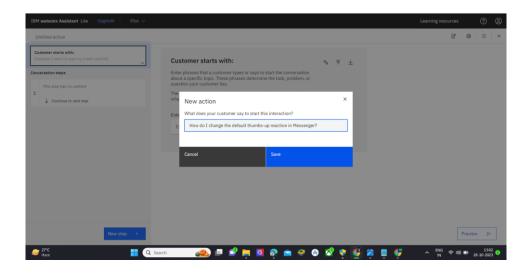


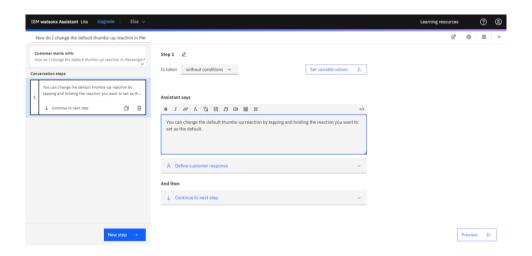


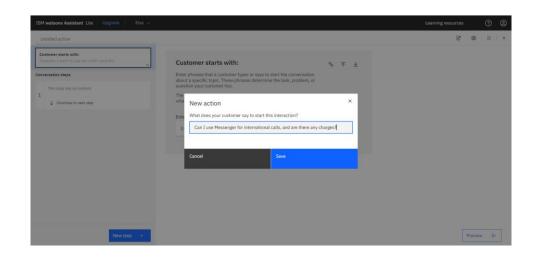


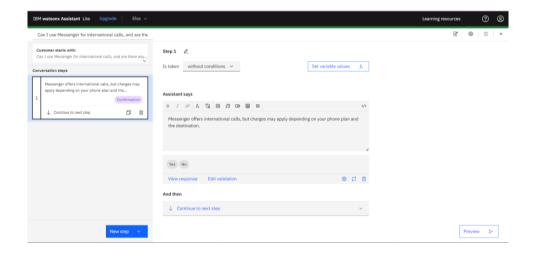


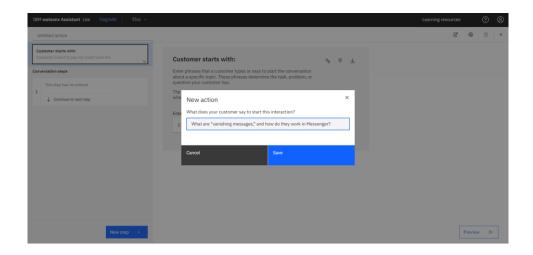


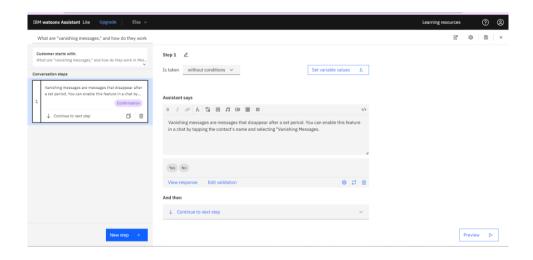


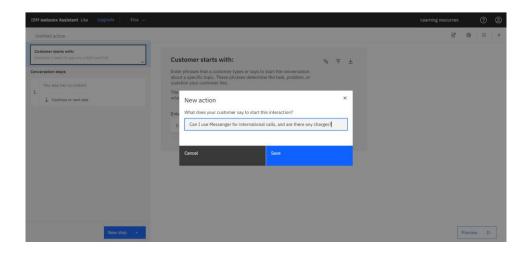


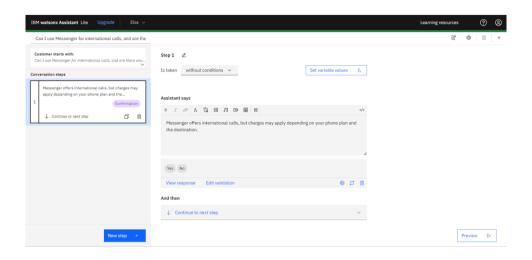




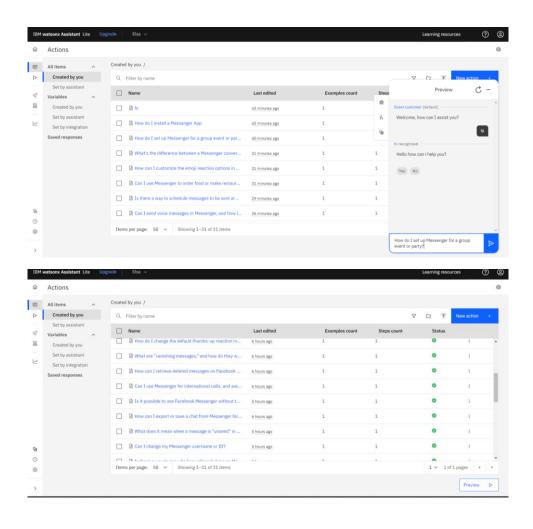


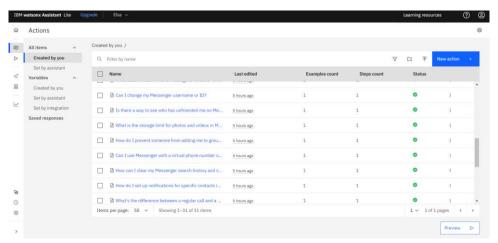


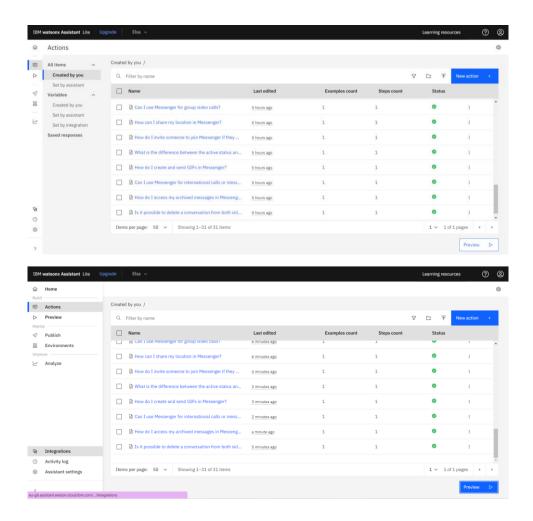




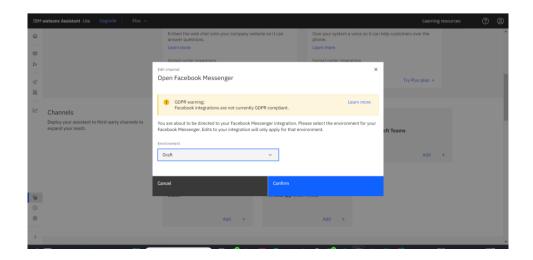
List of Questions that trained by us in Watson Assistant:

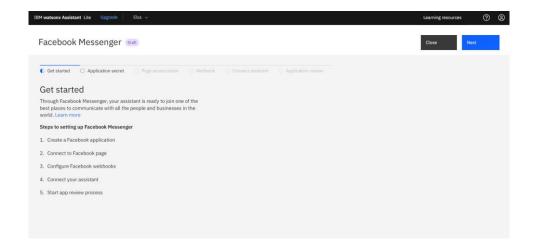


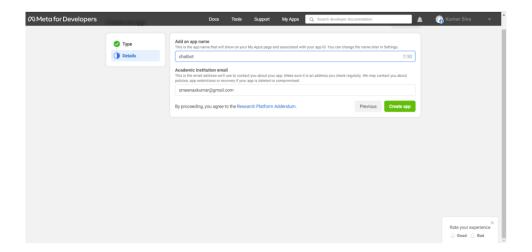


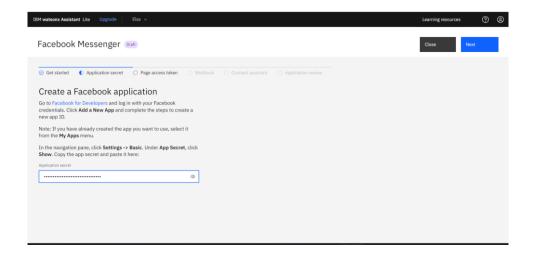


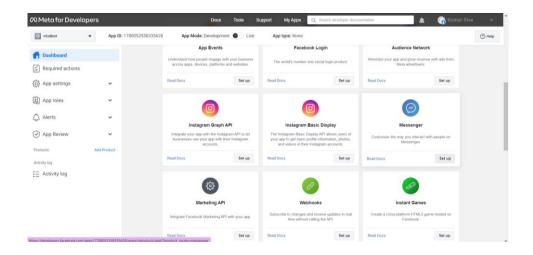
After that Integrate chatbot with Facebook Manager and Slack. Below steps shows the integration.

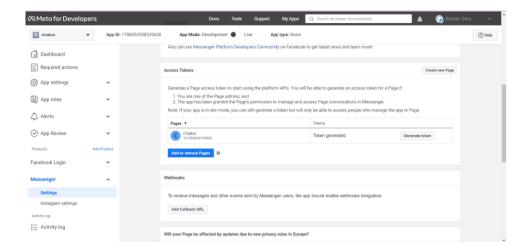


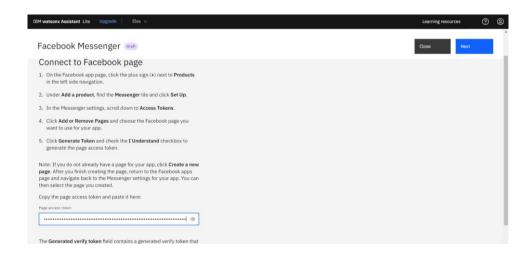


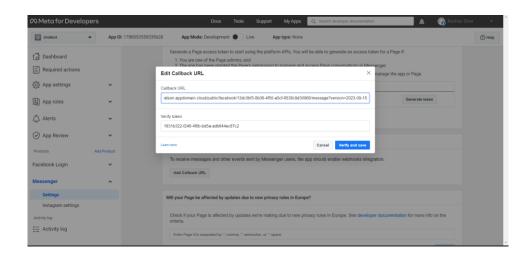


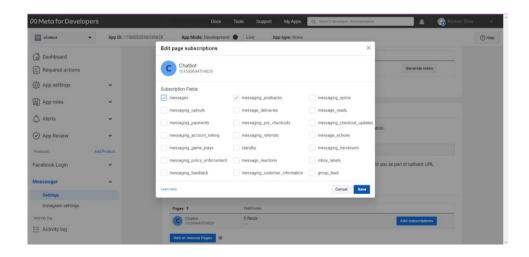


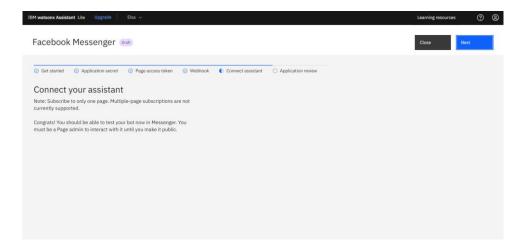




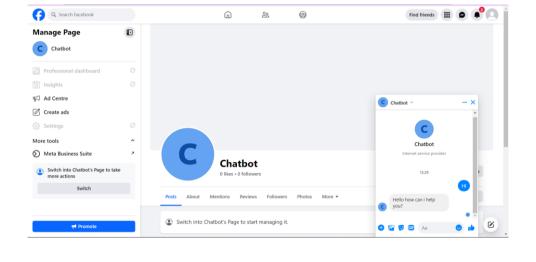


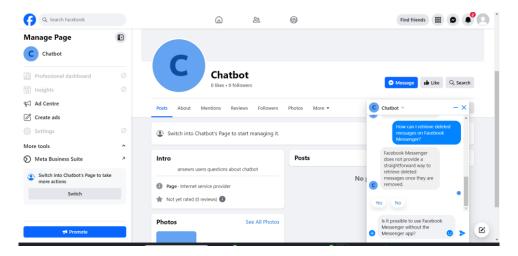


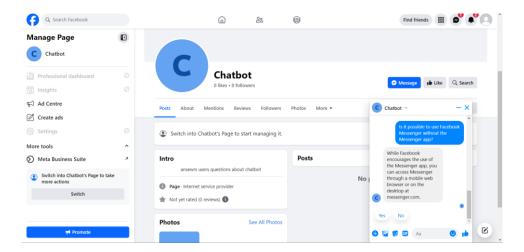




After connecting Chabot with Facebook Messenger. Now on Facebook Page we can test our chatbot. Below the FAQs answered by chatbot in Facebook messenger are inserted







In slack also test the chatbot perfermonce

