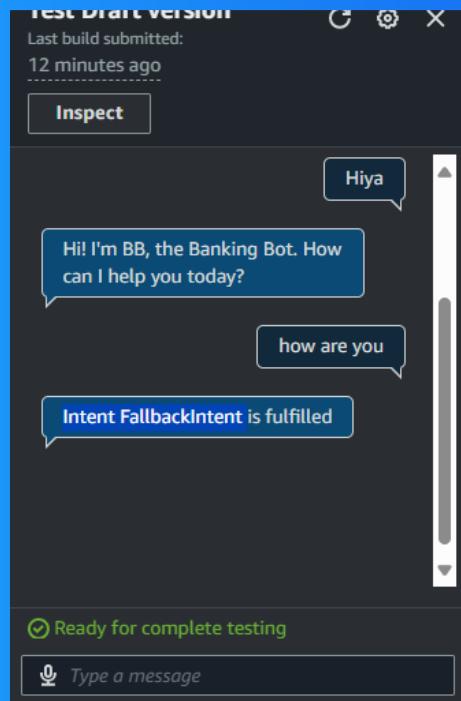




Build a Chatbot with Amazon Lex



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Introducing Today's Project!

What is Amazon Lex?

Amazon Lex is a service on Amazon managed AI that allows you to develop your own chatbot. The services integrated with other services on Amazon they called Amazon Lambda. is a serverless service.

How I used Amazon Lex in this project

I am so happy for using Amazon Lex for the project today, because I can create a chatbot AI with easy setup.

One thing I didn't expect in this project was...

I didn't expect to set up the Amazon Lex is so easy. It is not complicated for now.

This project took me...

For the first time, I made this project around 1 hour, that's it included for understanding the menu / features in Amazon Lex.



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Setting up a Lex chatbot

I created my chatbot from scratch with Amazon Lex. Setting it up took me under 20 minutes

While creating my chatbot, I also created a role with basic permission because now I am using free tier so I want to research first about the cost of using Amazon Lex

In terms of the intent classification confidence score, I kept the default value of 0.40. This means to give the bot 40% confident that it understands what the user is asking. If the confidence score below 0.4, it'll throw an error message

The screenshot shows the configuration interface for a new bot in the Amazon Lex console. The form includes fields for selecting language (English (US)), adding a description (optional), choosing a voice interaction (Danielle), providing a voice sample ("Hello, my name is Danielle. Let me know how I can assist you."), and setting the intent classification confidence score threshold (0.40).

Select language	English (US)
Description - optional	(Empty text area)
Voice interaction	Danielle
Voice sample	Hello, my name is Danielle. Let me know how I can assist you.
Intent classification confidence score threshold	0.40



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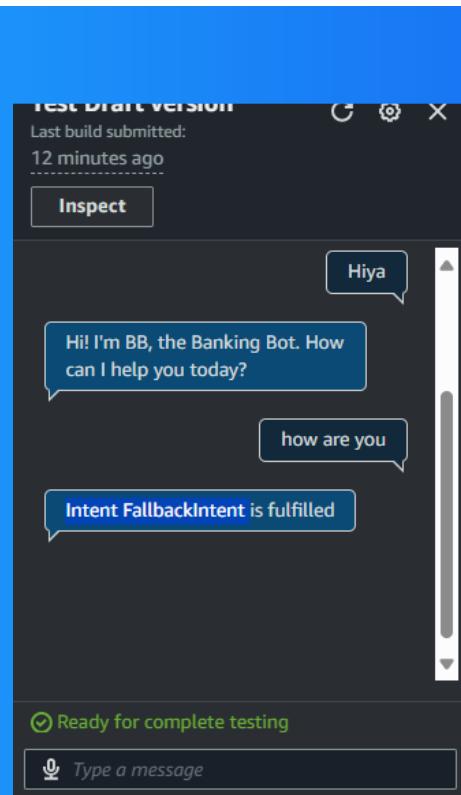
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Intents

Intents are the user is trying to achieve in their conversation with the chat bot. like if you want to help people booking a hotel, you need to create intent "Booking Hotel" this intent would be handled all request related. like available room

I created my first intent, WelcomeIntent to make my first chatbot to greeting the user when using a chat bot





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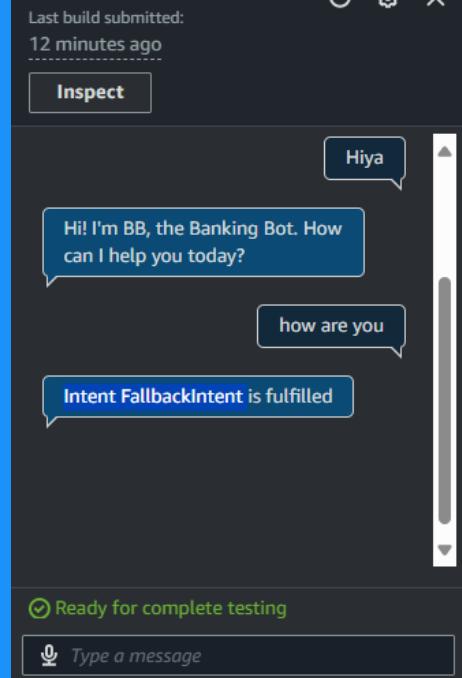
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FallbackIntent

I launched and tested my chatbot, which could respond successfully if I enter Hello!, Hi, I Need Help, Can you helpme.

My chatbot returned the error message 'Intent FallbackIntent is fulfilled' when I entered Hiya, how are you. This error message occurred because i didn't setting up about the response of word i entered before.





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Configuring FallbackIntent

FallbackIntent is a default intent in every chatbot that gets triggered when the bot didn't understand what user request.

I want to configure Fallbackintent because may help user to specified what a user request

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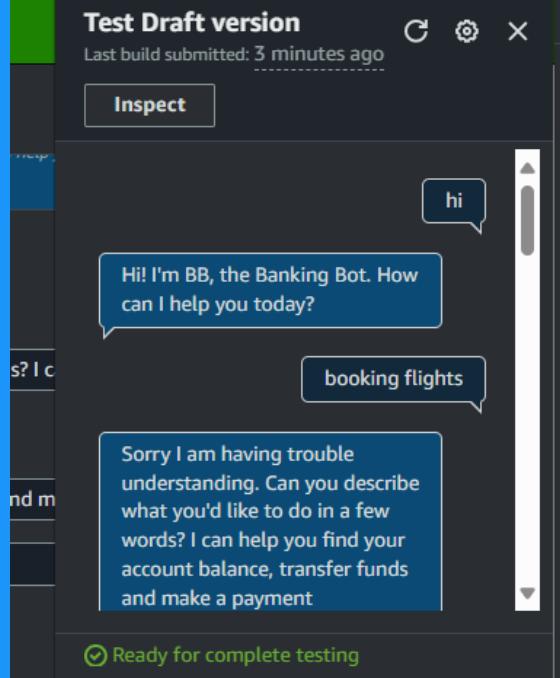
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Variations

To configure FallbackIntent, I go to FallbackIntent menu on left side, and go to response tab, expand the message group, fill in the message box with your FallbackIntent message

I also added variations!, What this means for an end user is out of the keyword has ben created





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