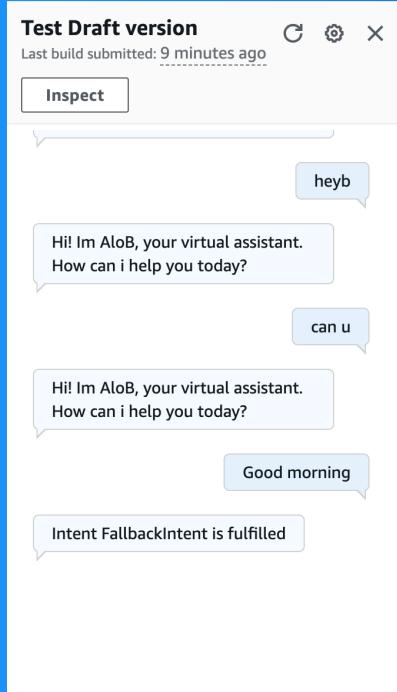




Build a Chatbot with Amazon Lex



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Introducing Today's Project!

What is Amazon Lex?

Amazon Lex is a tool that helps you create programs that can talk or chat with people, just like Alexa.

How I used Amazon Lex in this project

In this project i use Amazon Lex to create a basic chat and voice bot, that say "hi" to the user and also return error message if doesn't quite understand the user intent.



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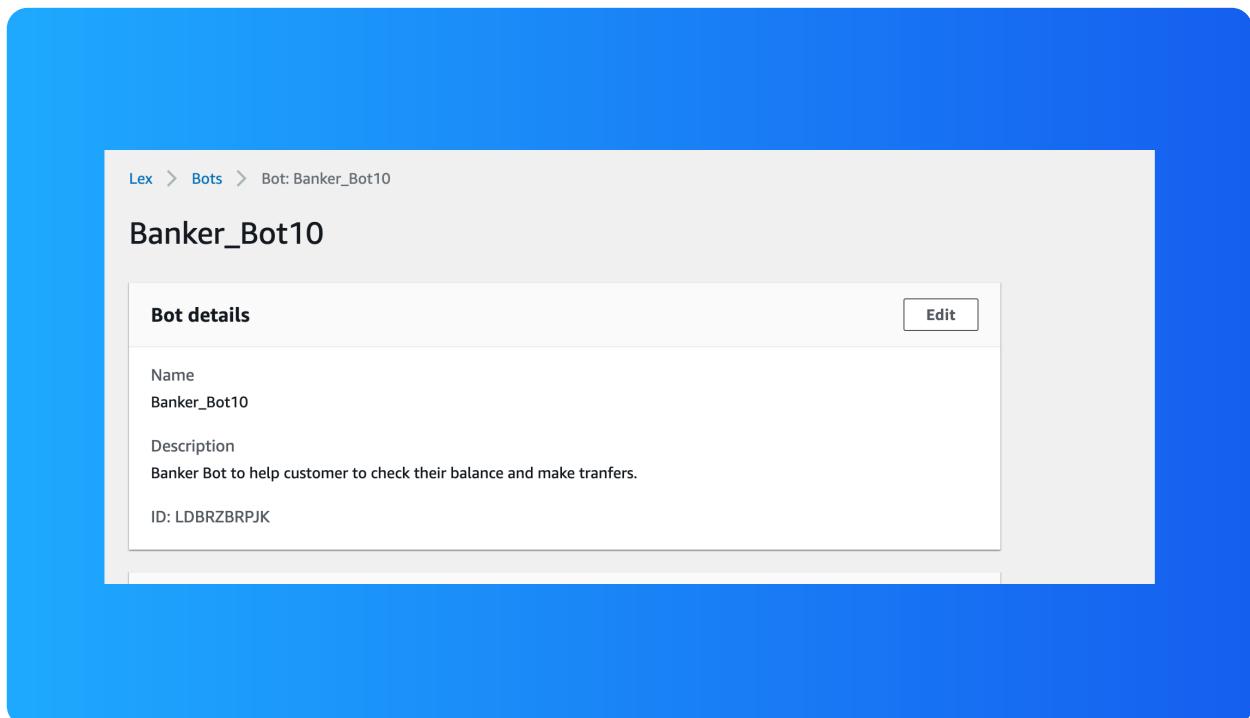
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Setting up a Lex chatbot

I created my chatbot from scratch with Amazon Lex. Setting it up took me 5min

While creating my chatbot, I also created a role with basic permissions because Amazon Lex will be able to call other AWS services on my behalf.

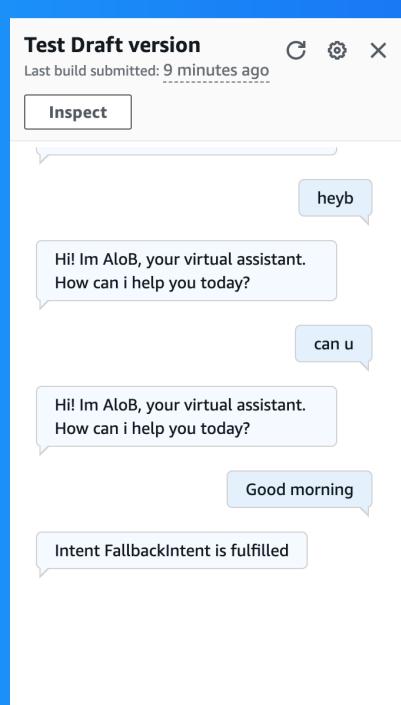
In terms of the intent classification confidence score, I kept the default value of 0.40. This means that the bot will have 0.40s to find the best answer.



Intents

Intentos are what a user is trying to achieve in their conversation with a chat bot.

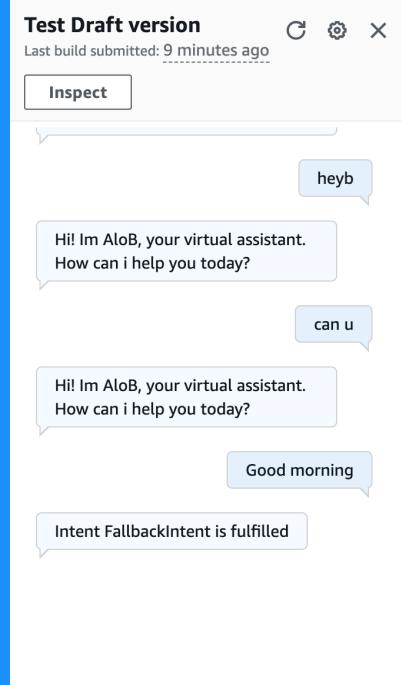
I created my first intent, WelcomeIntent, to fulfills the first user's request



FallbackIntent

I launched and tested my chatbot, which could respond successfully if I enter "Hi", "Hello", "Hey", "I need help"

My chatbot returned the error message 'Intent FallbackIntent is fulfilled' when I entered. This error message occurred because my chatbot can not understand the intent "good morning"





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Configuring FallbackIntent

'FallbackIntent is a default intent in every chatbot that gets triggered when the chatbot does not recognize the users goal/purpose

I wanted to configure FallbackIntent because the default closing response to the user is nor easily understandable and not very FriendlyUser

Variations

To configure FallbackIntent, I had to create my own closing response in the intent set up page.

I also added variations! What this means for an end user is they get to see different forms of response in the chatbot

