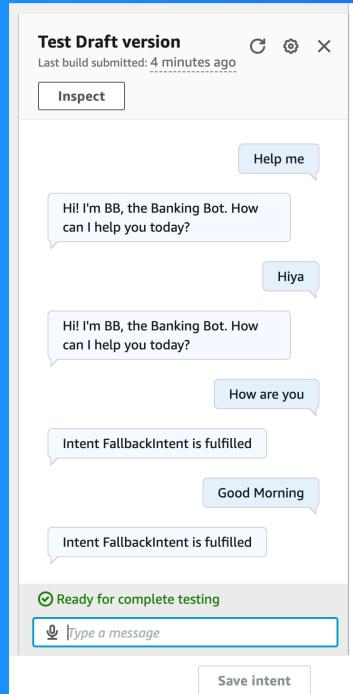




Build a Chatbot with Amazon Lex



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Introducing Today's Project!

What is Amazon Lex?

Amazon Lex is an AWS service that enables developers to easily build sophisticated, conversational interfaces for applications using voice and text.

How I used Amazon Lex in this project

I setted up amazon lex added languages into it and configured it so that is can be user-friendly and readable.

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

I didn't expected that making projects with this platform will turn out to be fun.

This project took me...

This project took me less than 30 minutes.

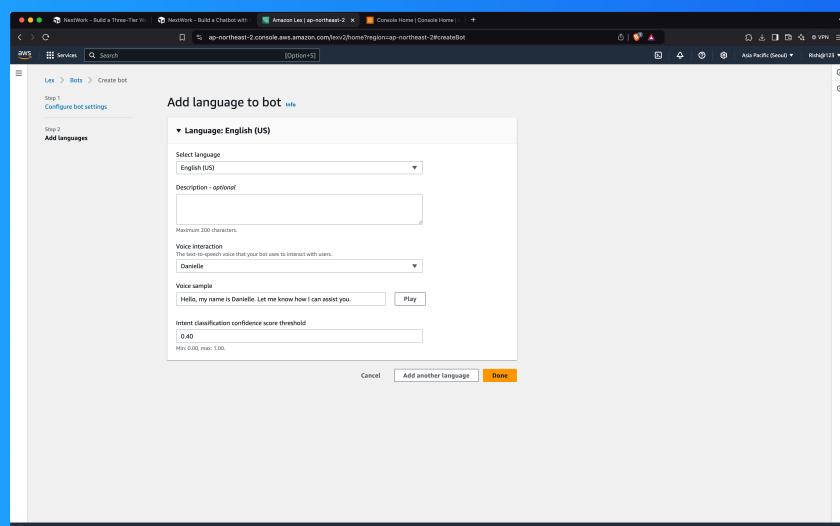


Setting up a Lex chatbot

I created my chatbot from scratch with Amazon lex. Setting it up took me less than 10 minutes.

While creating my chatbot, I also created a role with basic permissions because, Amazon Lex needs the permission to call other AWS services on your behalf.

In terms of the intent classification confidence score, I kept the default value of 0.40. This means that your chatbot needs to be at least 40% confident that it understands what the user is asking to be able to give a response. So if a user's input

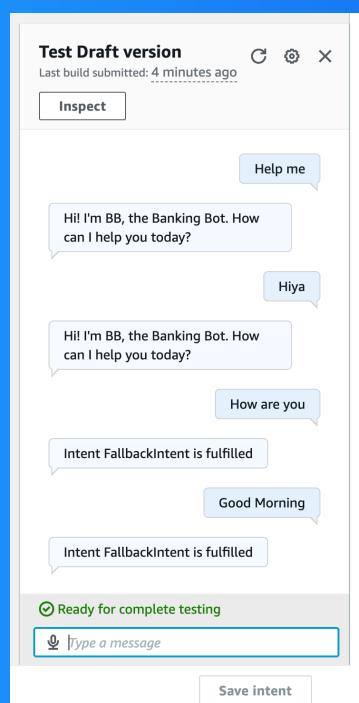




Intents

An intent is what the user is trying to achieve in their conversation with the chatbot. For example, checking a bank account balance; booking a flight; ordering food.

I created my first intent, `WelcomeIntent`, to describe the purpose of the intent.





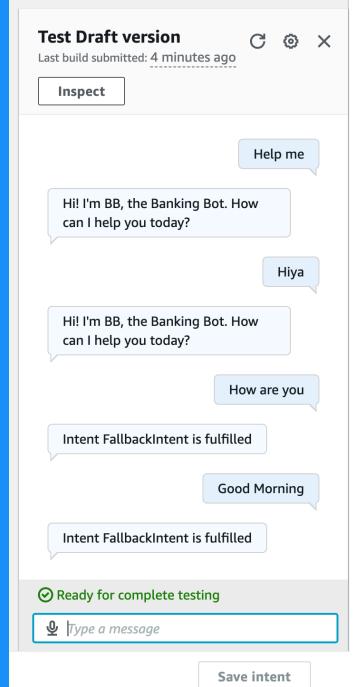
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FallbackIntent

I launched and tested my chatbot, which could respond successfully if I enter (Help me, Hiya)

My chatbot returned the error message 'Intent FallbackIntent is fulfilled' when I entered... This error message occurred because Amazon Lex doesn't quite recognize your utterance.





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Configuring FallbackIntent

FallbackIntent is a default intent in every chatbot that gets triggered when your chatbot has a confidence score below 40% for all the intents you've defined (in our case, it's just the WelcomeIntent for now), the FallbackIntent is triggered.

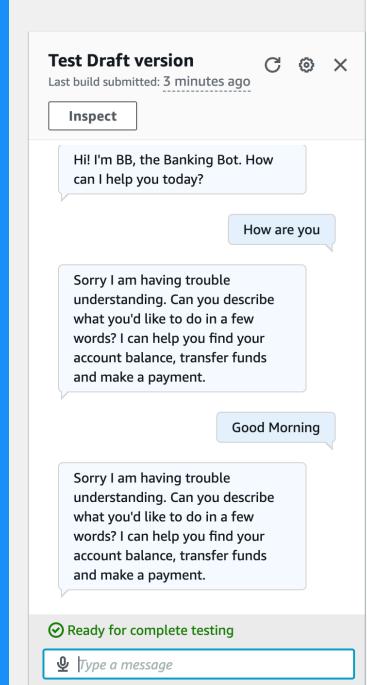
I wanted to configure FallbackIntent because i want to send user-friendly messages.



Variations

To configure FallbackIntent, I entered a detailed message which is more readable for the user.

Variations are literally variations of the same Message in the main Message box. When Amazon Lex needs to return a Fallback response, it will randomly choose a message from the group and return that.





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