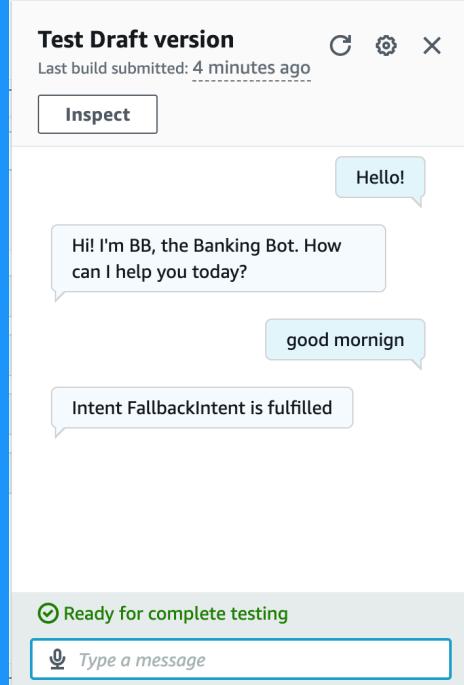




Build a Chatbot with Amazon Lex

0 Osman Kpaka





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Introducing Today's Project!

What is Amazon Lex?

Amazon lex is a AWS service that allows developers to build interfaces for applications using voice and text enabling them to build out chatbox. It is useful for creating interactive experiences within applications.

How I used Amazon Lex in this project

I used it to create a banker bot

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

I did not expect to about variations and learned about how to configure "fallback intent" error

This project took me...

around 1 hour

Setting up a Lex chatbot

around 1 hour

to ensure that it can only access the necessary data and functions required to perform intended task.

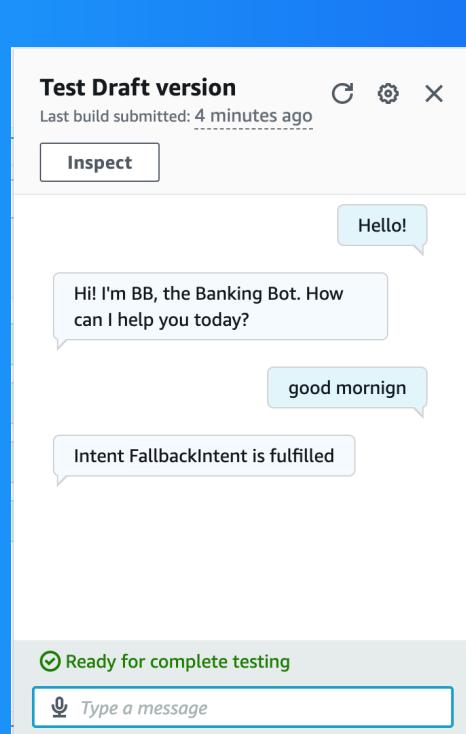
That if the bot has 40 percent confidence level about the identified intent and will respond with what the user is trying to achieve

The screenshot shows a configuration interface for a Lex bot. At the top, there's a dropdown menu set to "Language: English (US)". Below it, a "Select language" dropdown is also set to "English (US)". There's a "Description - optional" input field with a note: "Maximum 200 characters." Under "Voice interaction", there's a dropdown set to "Ivy". In the "Voice sample" section, there's a text input containing "Hello, my name is Ivy. Let me know how I can assist you." and a "Play" button next to it. Finally, under "Intent classification confidence score threshold", there's an input field set to "0.40" with a note: "Min: 0.00, max: 1.00".

Intents

represents users goals and purposes for using a chatbot. In Amazon Lex a chatbot is defined by intents that it supports

I created my first intent so that they knew users intentions



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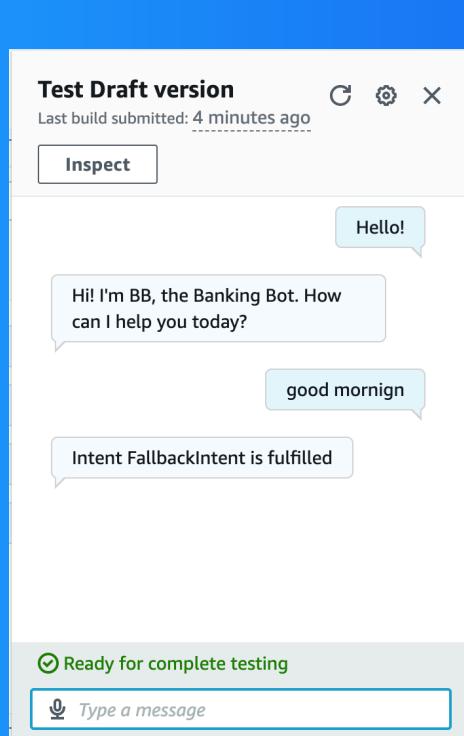
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FallbackIntent

My Chatbot could understand the greetings that say "Hello" and "Hi" but not good mornig

Good Morning!





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Configuring FallbackIntent

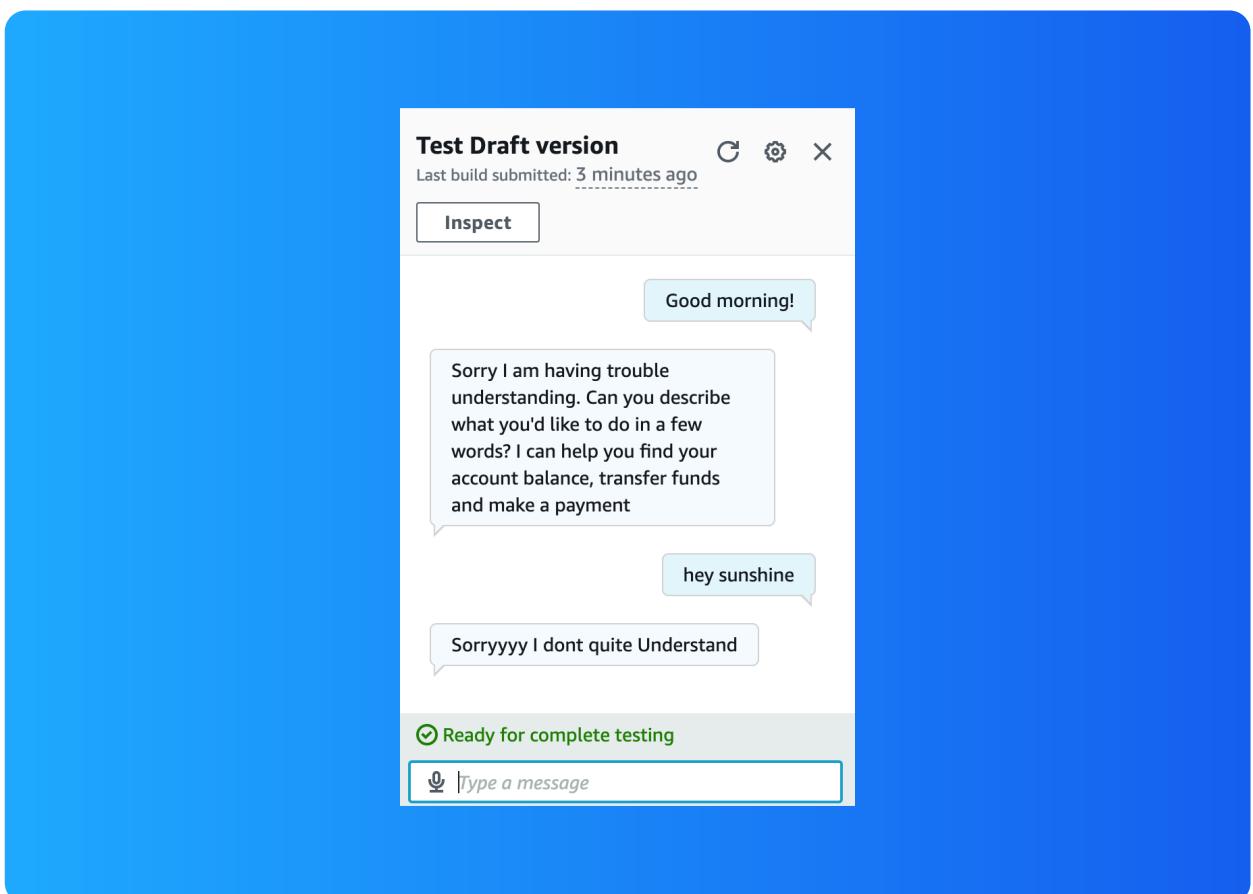
i entered Good morning, this error message happened because my chatbot could not understand the intent of the phrase 'Good morning" my chatbot could not understand

I wanted to configure fallback intenet because the bot did not understand what I was doing.

Variations

The default closing response to the user is not easily understandable

there are multiple responses to try to understand the user and give them an option to provide another response





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