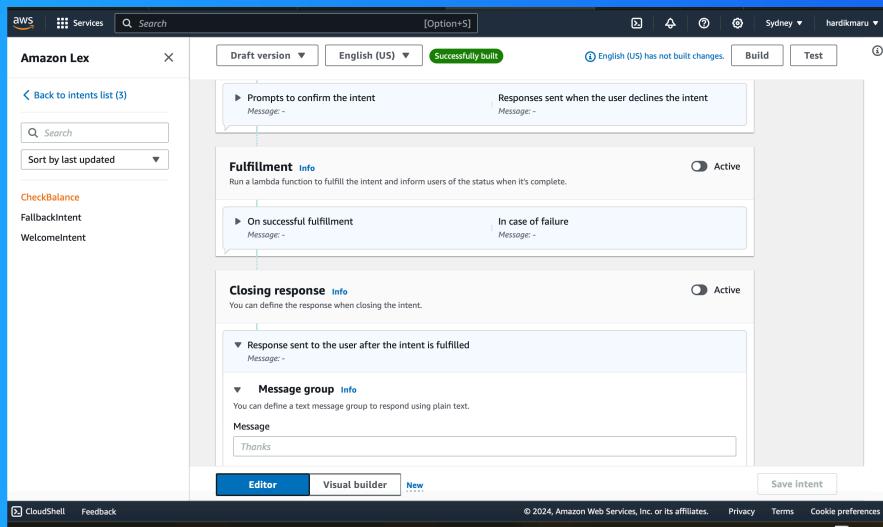




# Build a Chatbot with Custom Slots



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# Introducing Today's Project!

## What is Amazon Lex?

It's an AI driven chatbot service.

## How I used Amazon Lex in this project

Using the AWS services and by utilizing the various features for the chatbot.

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

It user define chatbot. It has specific limitations for the users inputs.

## This project took me...

15 min



# Slots

Slots are pieces of information that a chatbot needs to complete a user's request. Think of them as blanks that need to be filled in a form. For example, if the intent is to book a table at a restaurant, the chatbot needs specific details like: rest

custom slot types to fit your specific needs!

Restrict to slot values makes sure that only the values that you specify will count as a valid accountType!

The screenshot shows the AWS Lambda function configuration interface. The top navigation bar includes 'services', a search bar, and tabs for 'Function', 'Configuration', 'Code', 'Logs', and 'Metrics'. The main content area is titled 'Environment' and displays environment variables for the function 'BankerBot'. The variables listed are:

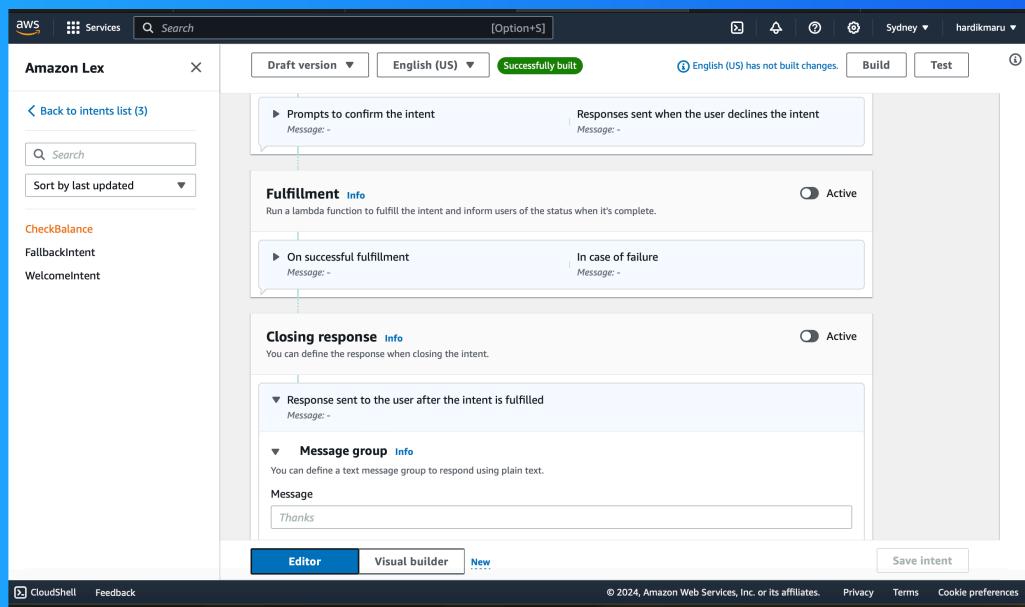
Variable	Type	Value
accountType	String	Checking, Savings, Credit, visa, mastercard, amex, american express

Below the environment variables, there is a section for 'Function logs' with a log stream named 'BankerBot.log' and a log level of 'INFO'. At the bottom of the page, there are buttons for 'Save' and 'Test'.



# Connecting slots with intents

Intent to check the balance in the specified account type.





# Slot values in utterances

It represents the user inputs. For example: Hi, Hello! , How are you!

For the custom input sets.

The screenshot shows the Amazon Lex console with the following details:

- Bot:** BankerBot
- Version:** Draft version (English (US))
- Intents:** 3 (Info)
- Test Draft version:** Last build submitted: 4 minutes ago
- Test Message:** accountType (User), For which account would you like your balance? (Bot)
- Test Message:** Checkin (User), For which account would you like your balance? (Bot)
- Status:** Ready for complete testing



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