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# Add Custom Slots to a Lex Chatbot



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▼ **Slots (2) - optional** Info

Information that a bot needs to fulfill the intent. The bot prompts for slots required for intent fulfillment, in priority order below.

▶ Prompt for slot: accountType Message: For which account would you like your balan...		Slot type <i>accountType</i>	X
▶ Prompt for slot: dateOfBirth Message: For verification purposes, what is your date ...		Slot type <i>AMAZON.Date</i>	X

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# Introducing Today's Project!

In today's project, I used Amazon Lex to create slots and now user can follow up with chatbot questions in order to fullfil an Intent.

## What is Amazon Lex?

Amazon Lex is a good and powerful tool for building chatbots and it is useful because it provides you facilities to integrate and configure your responses.

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

One thing I didn't expect in this project was how easy the setup is and needs good basic AI/IT understanding.

## This project took me...

This project took me approx 1 hour.



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## Slots

Slots are pieces of Information which are needed from the user so the bot could be able to complete a Intent.

By adding custom slots in utterances, my chatbot's users can directly skip the account Type Question and if i add date of birth also then it can skip that too and the intent will be fulfilled automatically

In this project, I created a custom slot type to accountType because its a Unique and I choose what banks are allowed in it. if it was more of common slot then aws provides default configuration slots too.



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### Slot type values

Modify the list of values used to train the machine learning model to recognize values for a slot.

Search slot type values

Checking

Tab or ; or enter return for new value

X

Current X

Savings

Tab or ; or enter return for new value

X

Credit

Tab or ; or enter return for new value

X

credit card X

visa X

mastercard X

amex X

american express X

Value

Tab or ; or enter return for new value

Add value

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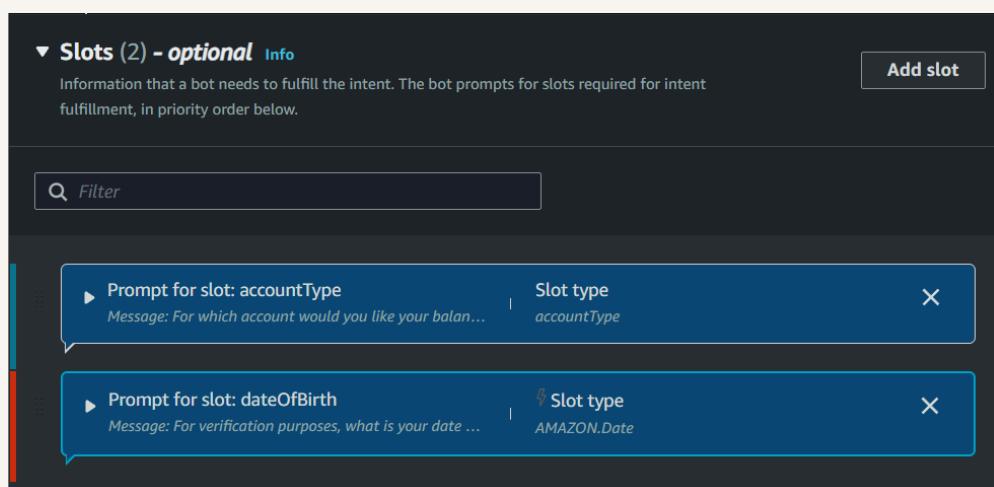
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# Connecting slots with intents

This slot type has restricted slot values, which means it won't use Amazon's machine learning feature to give relatable words of it and will restrict to the words I choose.

I associated my custom slot with CheckBalance, which is used to check the balance of the person's account from the database, which is not yet set.



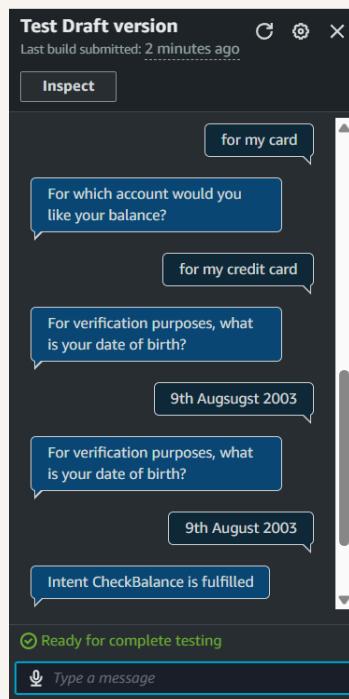
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# Slot values in utterances

I included slot values in some of the utterances (i.e. user inputs) by {accountType} so it can understand that im reffering to some of the words from the accountType Slot which i have created.





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