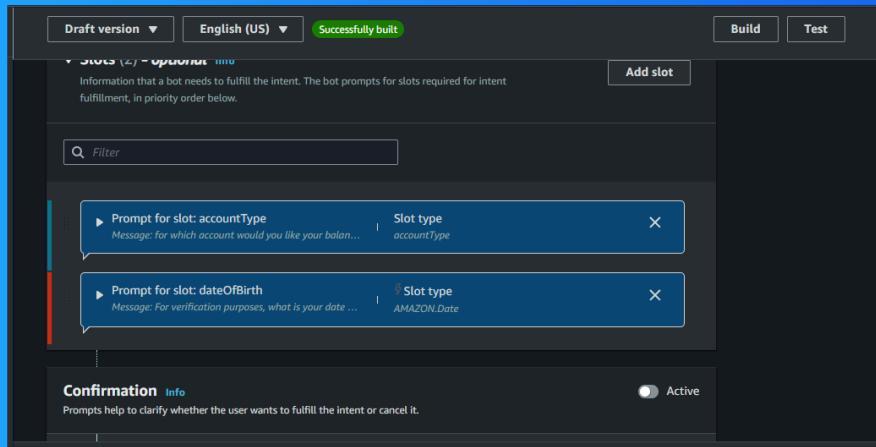




Build a Chatbot with Custom Slots



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Introducing Today's Project!

i use Amazon Lex for a small project called BankerBot that allow to chek a balance in a credit card, master card and more. but this project didn't use a database but i just using a Intent and slot Type for the responses

What is Amazon Lex?

Amazon Lex is a serives in Amazon Web Services that a fully managed AI services that allows that allow to build a conversation app using text and voice. This services very usefull to make chatbot like chat services.

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

It more easier for setup the chatbot, but my project for now didnt connected with the database.

This project took me...

I make this project arround 45 Minute with understanding what is in the menu means



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Slots

Slot are pieces information that chatbot need to compare a user's request. For example if the intent is to book a hotel room, the chat bot need specifies details like: check-in date, check-out, type room.

By adding custom slots in utterances, my chatbot's users can be more interactive with the chatbot.

In this project, I created a custom slot type to make me easier describe the information to start the chatbot

The screenshot shows the 'slot type values' configuration screen. At the top, there are dropdown menus for 'Draft version' (set to 'Draft'), 'Language' (set to 'English (US)'), and a status message 'Successfully built'. To the right are 'Build' and 'Test' buttons. Below this is a search bar labeled 'Search slot type values'. The main area displays three slot entries: 'Checking', 'Savings', and 'Creadit'. Each entry has a text input field followed by a 'Tab or ; or enter return for new value' placeholder and an 'X' button to delete. Under 'Creadit', there is a list of card types: 'credit card X', 'visa X', 'mastercard X', 'amex X', and 'american express X'. At the bottom, there is a 'Value' input field, a 'Tab or ; or enter return for new value' placeholder, and an 'Add value' button. A note at the bottom states 'Maximum 140 characters. Valid characters: A-Z, a-z, 0-9, @, #, \$'. A checkbox for 'Use slot values as custom vocabulary' is checked, with an 'Info' link next to it.



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Connecting slots with intents

This slot type has restricted slot value, which means user can't acknowledge the bank account types what I setup here.

I associated my custom slot with CheckBalance, which is for verification purpose for user that they want to check the account balance

The screenshot shows the 'Slots' configuration page in the Amazon Lex console. At the top, there are tabs for 'Draft version' (selected), 'English (US)', and a green 'Successfully built' status indicator. To the right are 'Build' and 'Test' buttons. Below the tabs, a section titled 'SLOTS (2) - optional' provides information about slots required for intent fulfillment. A 'Filter' input field is available. Two slots are listed:

- Prompt for slot: accountType**
Message: for which account would you like your balan...
Slot type: accountType
- Prompt for slot: dateOfBirth**
Message: For verification purposes, what is your date ...
Slot type: AMAZON.Date

At the bottom, a 'Confirmation' section is shown with an 'Info' link and a note: 'Prompts help to clarify whether the user wants to fulfill the intent or cancel it.' A toggle switch indicates the feature is 'Active'.

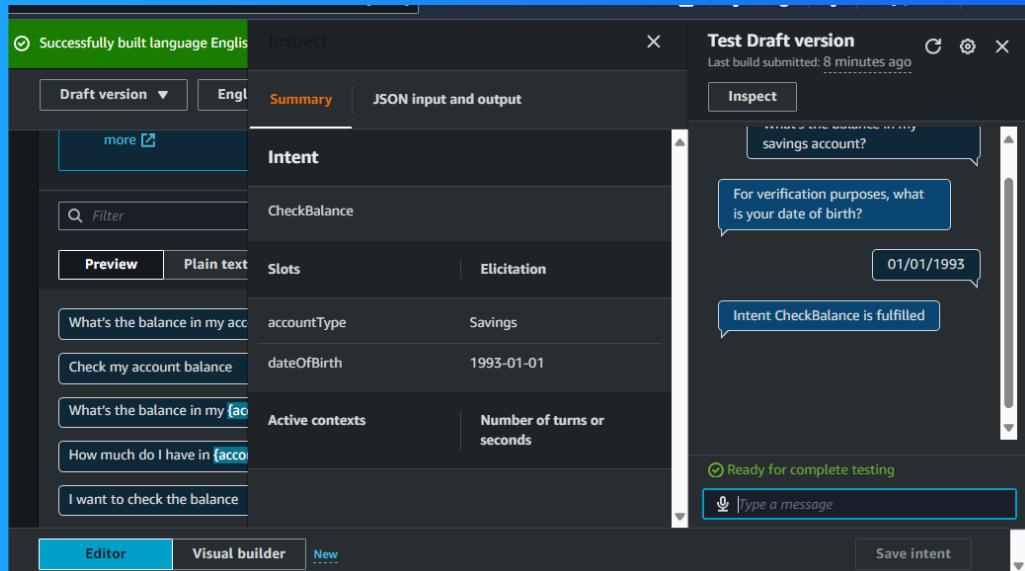
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Slot values in utterances

I included slot values in some of the utterances (i.e user inputs) by 'Check my balance' for example i type Check my balance the bot will be answered with 'for which account would you like your balance?'





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