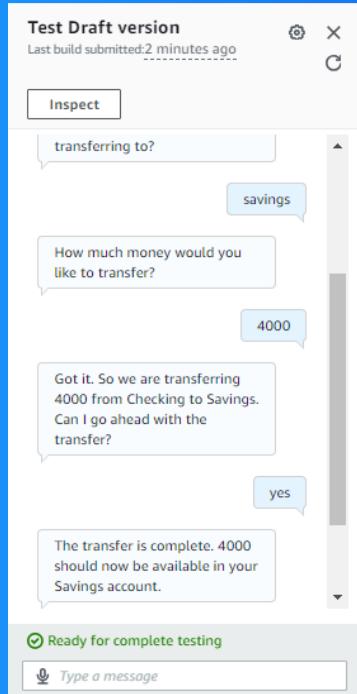




Build a Chatbot with Multiple Slots



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Introducing Today's Project!

What is Amazon Lex?

Amazon Lex is a service that allows you to build conversational interfaces using voice and text. It's essentially a tool for creating chatbots and virtual assistants

How I used Amazon Lex in this project

I used Amazon lex to create new TransferFunds intent and integrated it with aws cloud formation

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

n/a

This project took me...

1 hour

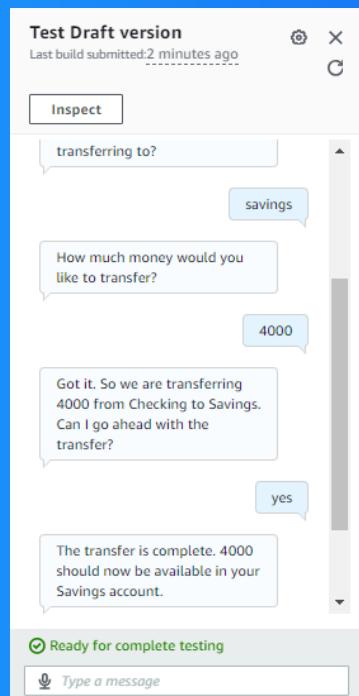
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TransferFunds

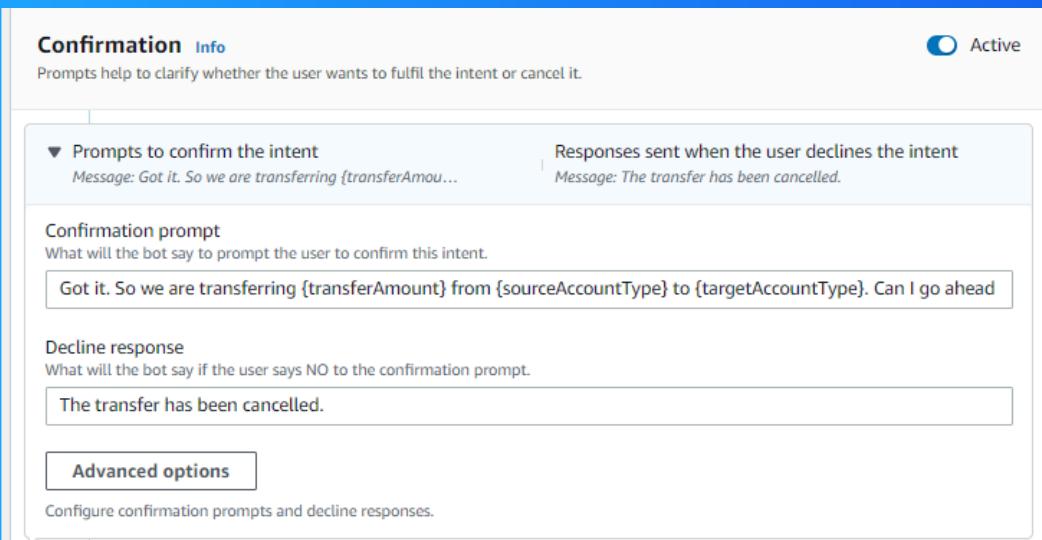
An intent I created for my chatbot was TransferFunds, which will handle user requests to transfer money between their accounts or to external beneficiaries.



Using multiple slots

For this intent, I had to use the same slot type twice. This is because the intent requires capturing two different account numbers, which are both numerical values. Using the same slot type ensures consistent data handling and validation.

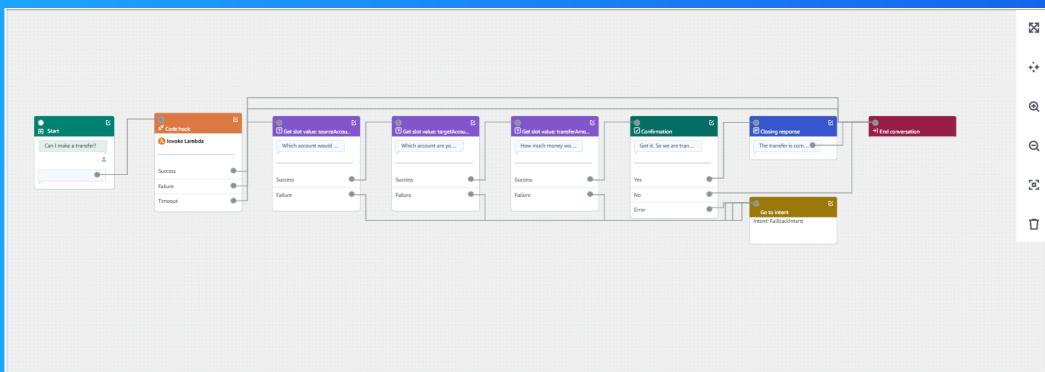
I also learnt how to create confirmation prompts, which are messages that verify user input before proceeding with an action. This helps prevent errors and increases user confidence in the interaction



Exploring Lex features

Lex also has a special conversation flow feature that allows you to define the structure of a conversation, including decision points and multiple paths. This helps create more complex and engaging interactions, ensuring the chatbot guides users.

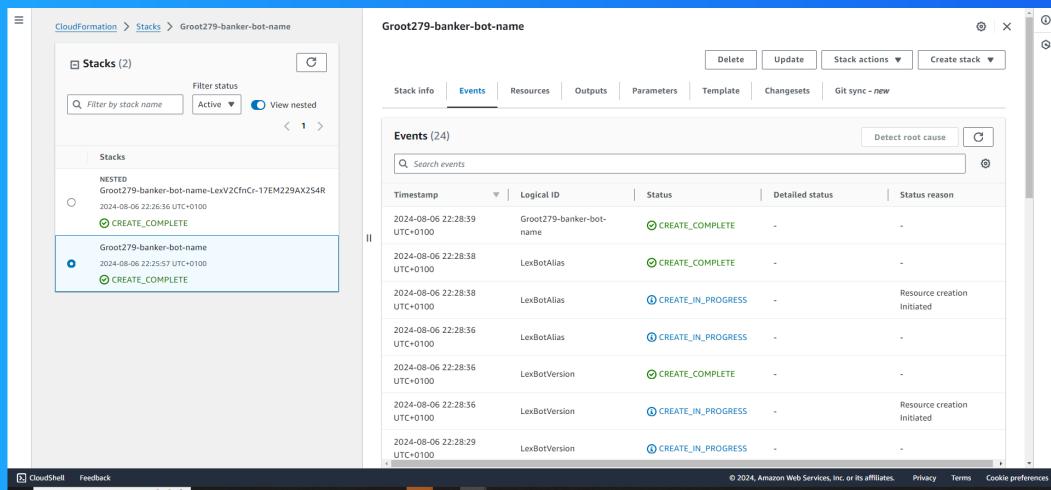
You could also set up your intent using a visual builder! A visual builder is a graphical interface that allows you to create intents and utterances by dragging and dropping components.



AWS CloudFormation

AWS CloudFormation is a service that allows you to model and provision your AWS infrastructure resources in a declarative fashion. Using JSON or YAML templates, you define your desired resources and CloudFormation handles the creation and updating

I used cloud formation to deploy the entire BankerBot using a single CloudFormation stack



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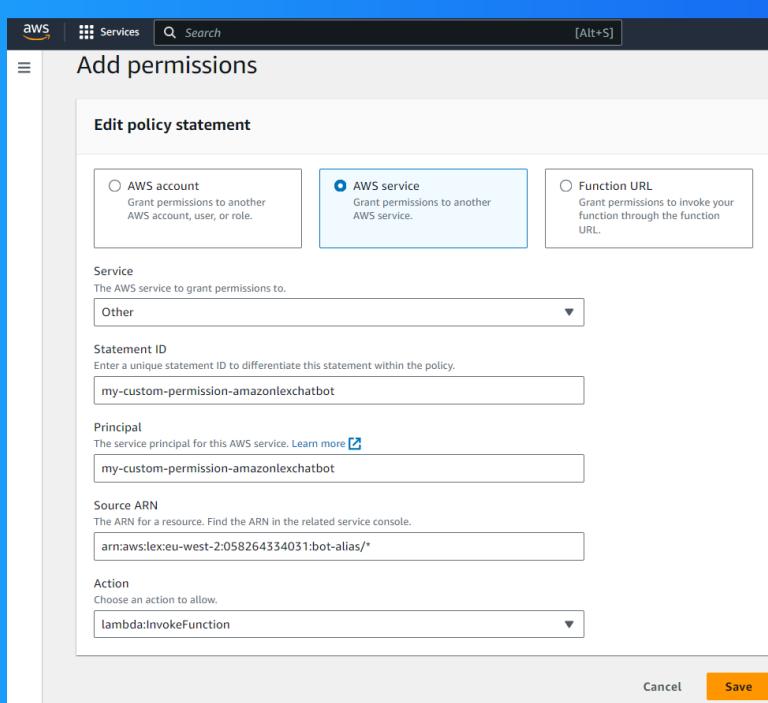
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The final result!

20 minutes

There was an error after I deployed my bot! The error was... I fixed this by updating the permissions in aws lambda granting lex permission





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