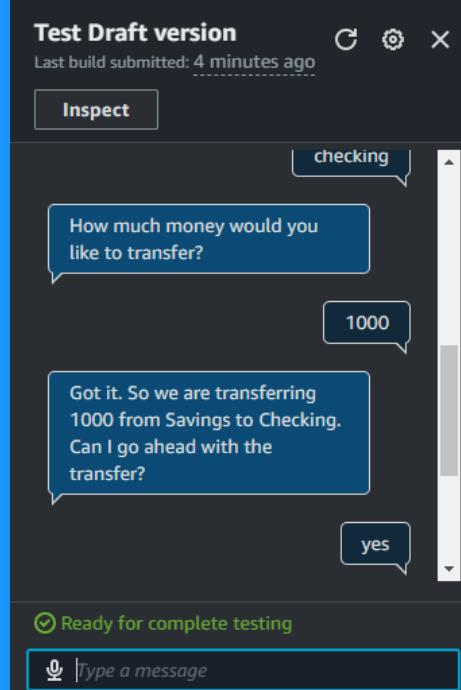




Build a Chatbot with Multiple Slots



nikhil7_94@hotmail.com



Introducing Today's Project!

What is Amazon Lex?

Amazon Lex is a service for building conversational interfaces using voice and text. It enables easy creation of chatbots and virtual assistants integrated with other services.

How I used Amazon Lex in this project

Today I manage to set up my own chatbot with multiple slots and deployed it all in seconds.

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

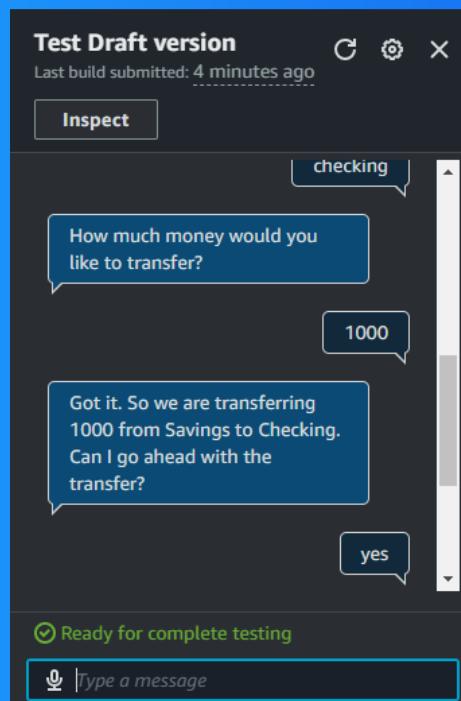
One thing I didn't expect was how effective the integration with the other AWS services it can be.

This project took me...

I took around 2 hours with this project.

TransferFunds

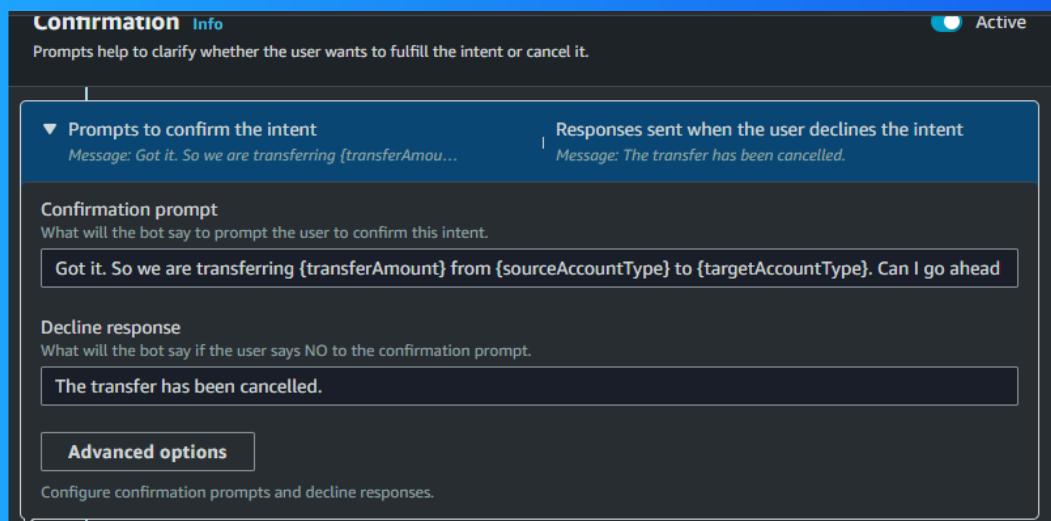
An intent I created for my chatbot was TransferFunds, which will transfer funds from different accounts.



Using multiple slots

For this intent, I had to use the same slot type twice.

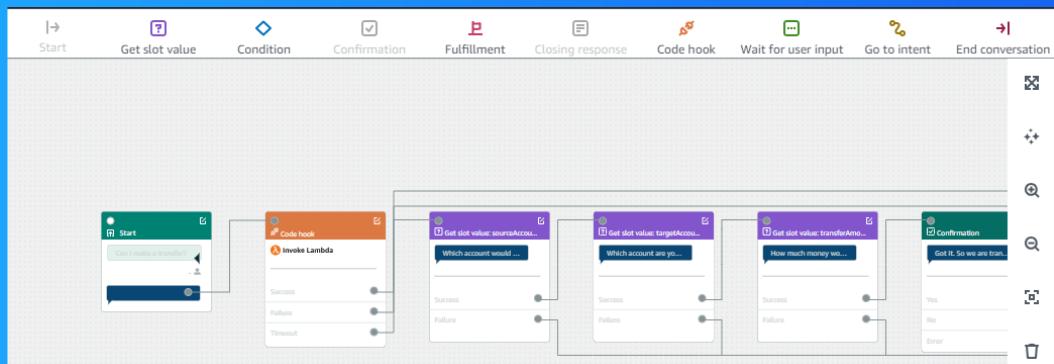
I also learnt how to create confirmation prompts, which are typically repeat back information for the user to confirm.



Exploring Lex features

Lex also has a special conversation flow feature that shows every conversational step in a logical chronological order.

You could also set up your intent using a visual builder! A visual builder is a visual interpretation of the intent I just built.



AWS CloudFormation

AWS CloudFormation is service that allows you to automate the setup and management of AWS resources by creating, updating, and deleting them through templates.

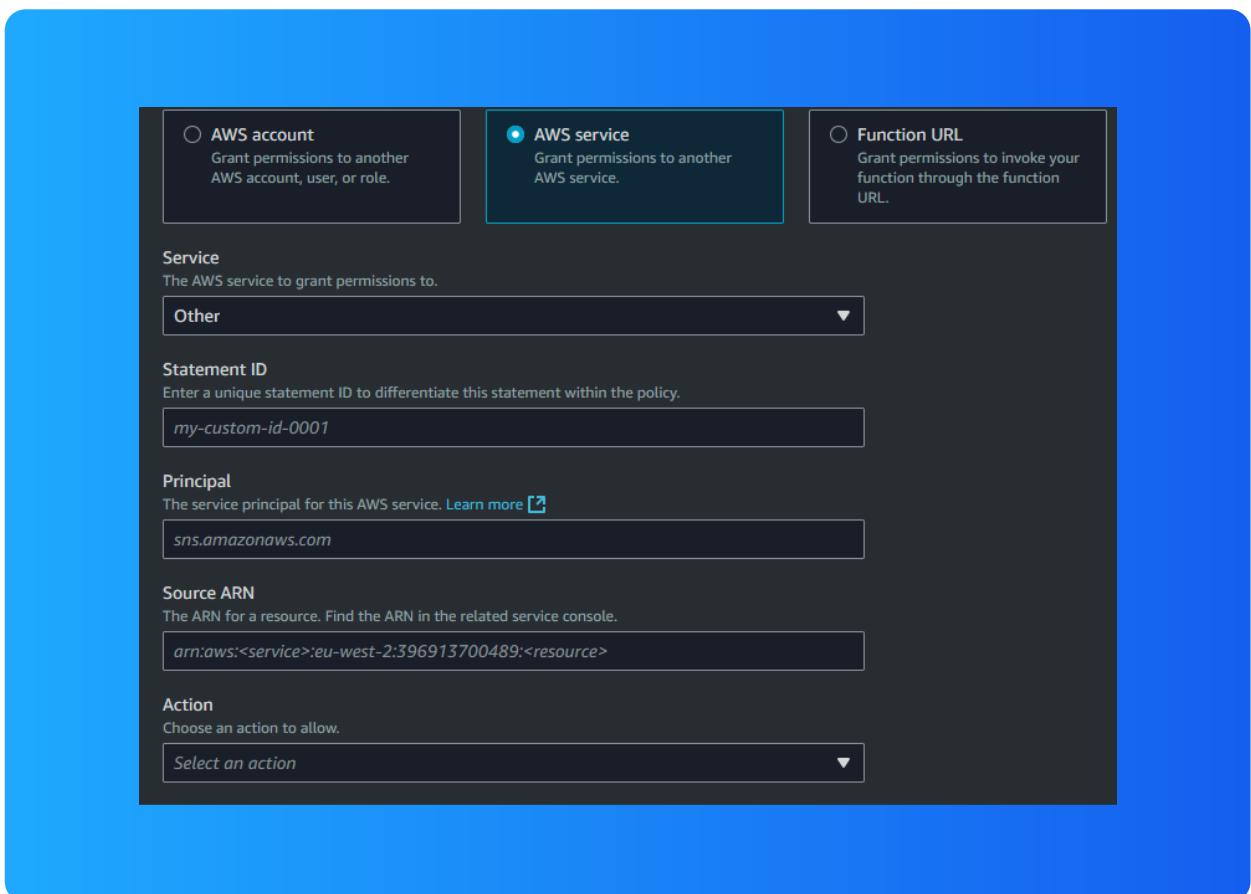
I used CloudFormation to work using templates as IaC to save time.

Intents (5) Info		
An intent represents an action that the user wants to perform.		
<input type="text"/> Search intents < 1 > ⚙		
	Name	Description
⌚	Name	Last edited
⌚	TransferFunds	Help user transfer funds between bank accounts
⌚	FollowupCheckBalance	Intent to allow a follow-up balance check request without authentication
⌚	CheckBalance	Intent to check the balance in the specified account type
⌚	Welcome	Welcome intent
⌚	FallbackIntent	Default fallback intent when no other intent matches

The final result!

Re-building my bot with CloudFormation took me 5 minutes.

There was an error after I deployed my bot! The error was I didn't have the right permissions to work with. I had to edit the policy statement by adding the permissions needed.





NextWork.org

Everyone should be in a job they love.

Check out nextwork.org for
more projects

