



# Build a Chatbot with Multiple Slots



khushinewgrad@gmail.com

**Test Draft version**

Last build submitted: 2 minutes ago

**Inspect**

How much money would you like to transfer?

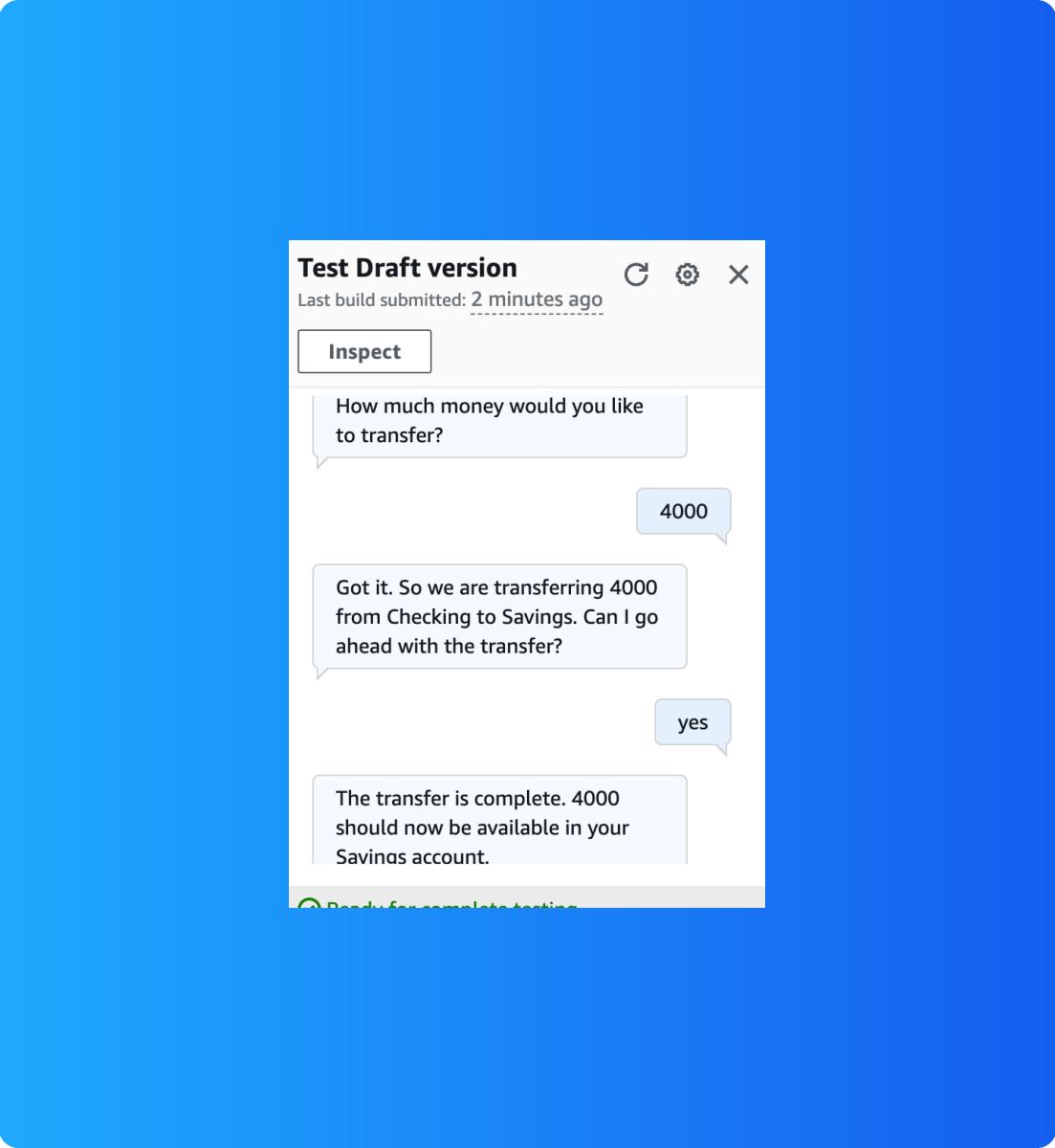
4000

Got it. So we are transferring 4000 from Checking to Savings. Can I go ahead with the transfer?

yes

The transfer is complete. 4000 should now be available in your Savinas account.

Ready for complete testing.

A large, solid blue rectangular area with rounded corners, positioned behind the test interface, likely representing a placeholder for a larger image or a background element.



KH

khushinewgrad@gmail.c...

NextWork Student

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# Introducing Today's Project!

## What is Amazon Lex?

Amazon Lex is an AWS service for building conversational interfaces with voice and text. It simplifies chatbot and voice bot creation with natural language understanding, integrates with AWS, supports multiple platforms, and scales effortlessly.

## How I used Amazon Lex in this project

I created a practical chatbot, BankerBot, that can help imaginary bank's customers check their account balance and transfer money between accounts! Here, I created an intent that lets you transfer money between accounts and learn about CloudFormation!

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

How quickly I can create the same functionalities I created manually in 60 secs to creating them using CloudFormation in less than 10 minutes!

## This project took me...

20minutes!

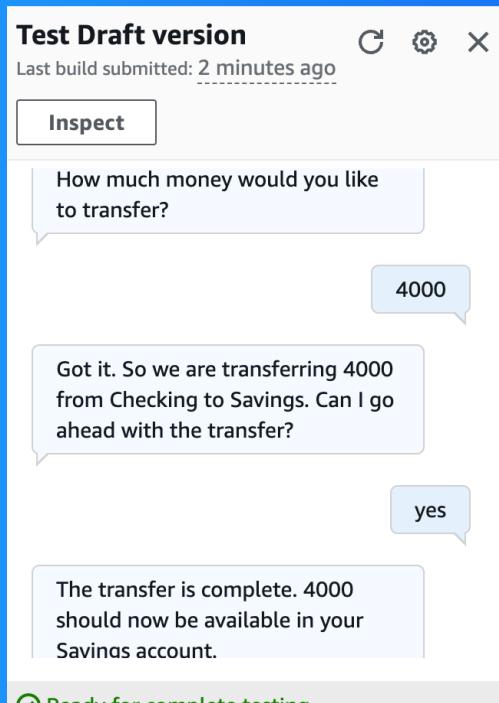
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# TransferFunds

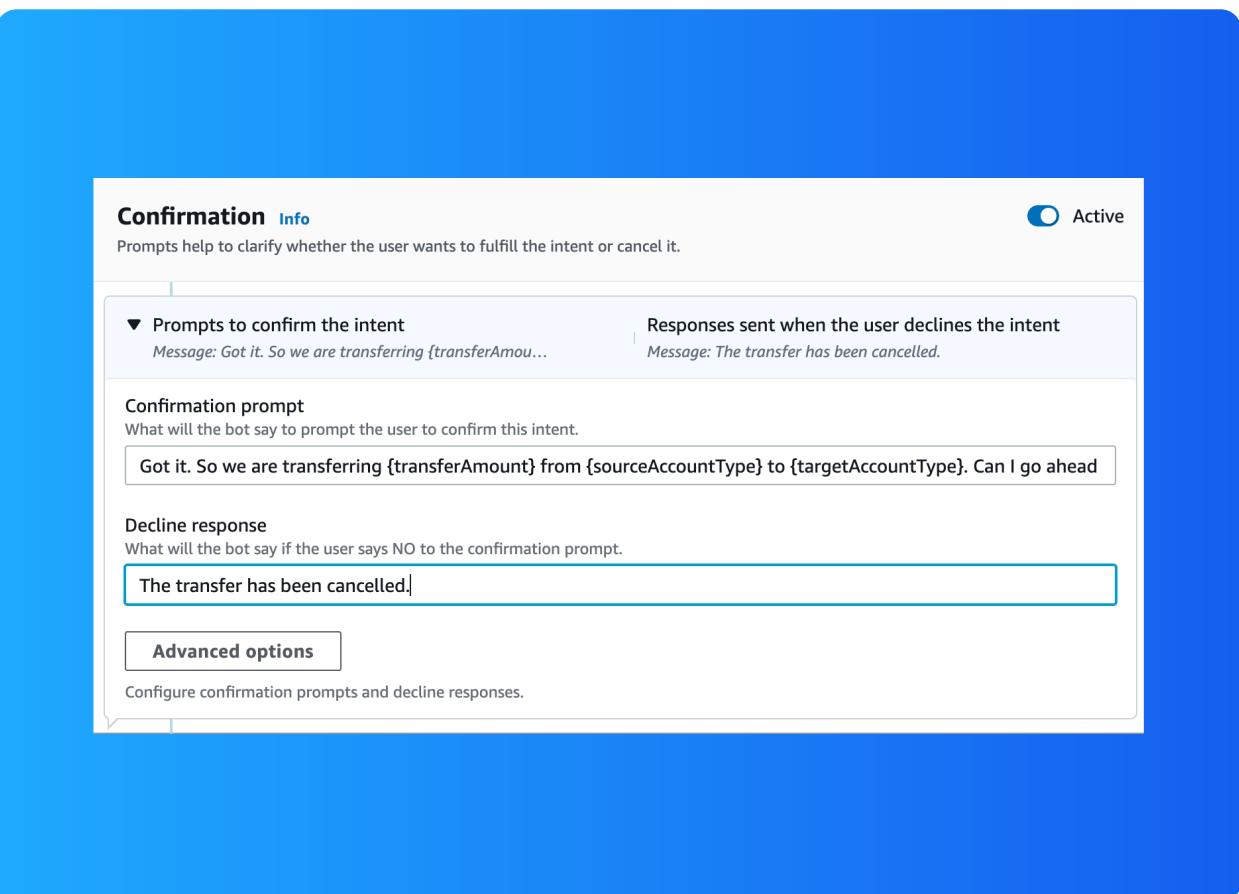
An intent I created for my chatbot was TransferFunds, which helps user transfer funds between bank accounts.



# Using multiple slots

For this intent, I had to use the same slot type twice. This is because I wanted to make the transfer from one account to other.

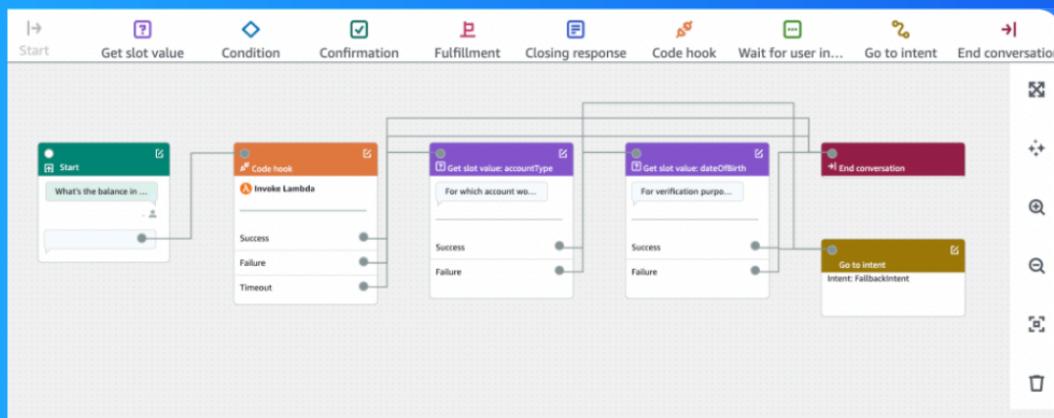
I also learnt how to create confirmation prompts, which typically repeats back information for the user to confirm.



# Exploring Lex features

Lex also has a special conversation flow feature that updates information as I continue editing this intent.

You could also set up your intent using a visual builder! A visual builder can be used to build your intent from scratch (not just view the flow itself)!



# AWS CloudFormation

AWS CloudFormation is service that gives you an easy way to create and set up AWS resources.

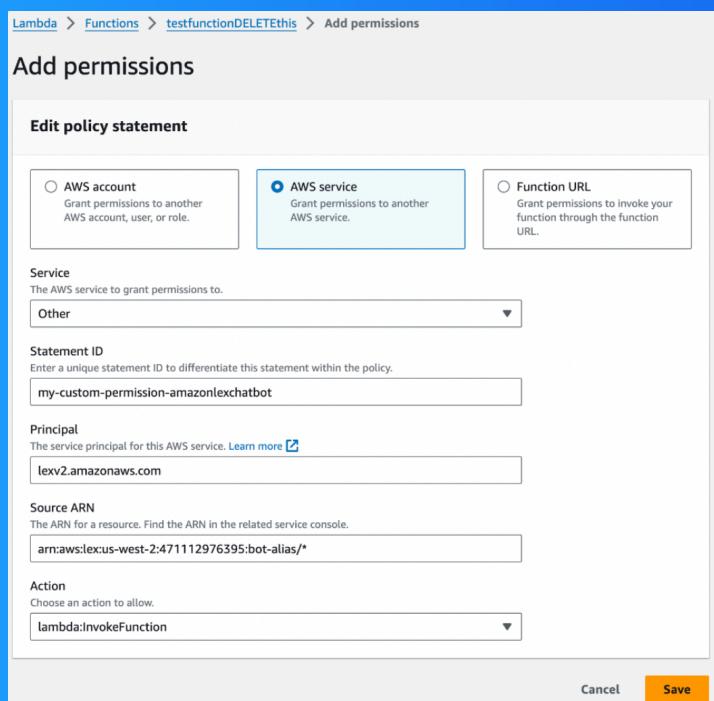
I used CloudFormation to deploy BankerBot in seconds.

Intents (5) <a href="#">Info</a>		
An intent represents an action that the user wants to perform.		
<input type="text"/> Search intents <span style="float: right;">&lt; 1 &gt; ⌂</span>		
Name	Description	Last edited
TransferFunds	Help user transfer funds between bank accounts	2 minutes ago
FollowupCheckBalance	Intent to allow a follow-up balance check request without authentication	2 minutes ago
CheckBalance	Intent to check the balance in the specified account type	2 minutes ago
Welcome	Welcome intent	2 minutes ago
FallbackIntent	Default fallback intent when no other intent matches	2 minutes ago

# 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 "Intent checkbalance is fulfilled". I fixed this by creating a NEW Lambda function and redirecting my Version 1 Alias to connect with that new Lambda function instead.





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