AWS re:Invent

ALX202-R

Alexa, what can I do now?

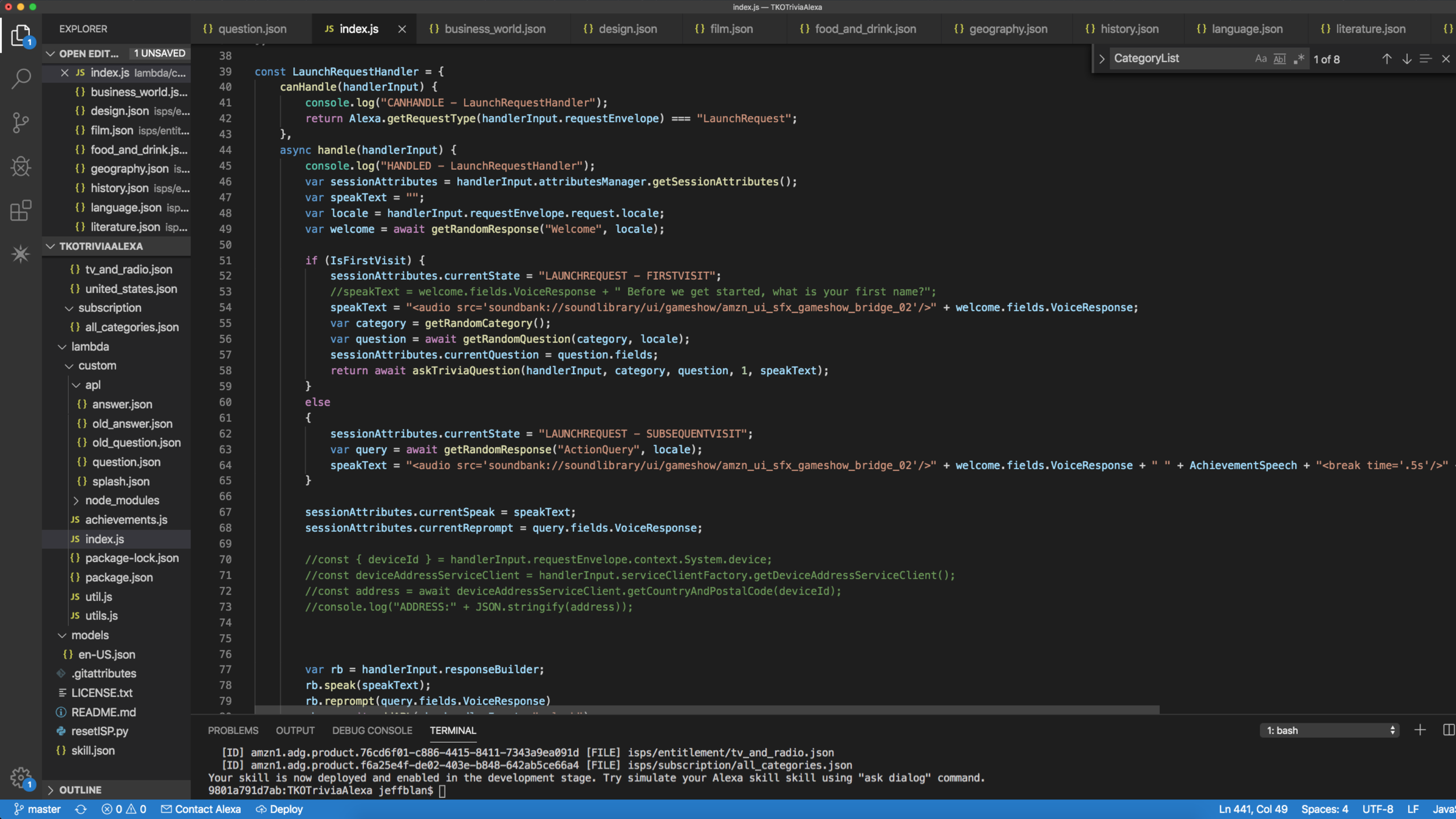
Jeff Blankenburg
Senior Alexa Evangelist
Amazon Web Services

AWS re:Invent

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aws




index.js — TKOTriviaAlexa
EXPLORER
question.json
index.js
business_world.json
design.json
film.json
food_and_drink.json
geography.json
history.json
language.json
literature.json
OPEN EDIT... 1 UNSAVED
index.js lambda/c...
business_world.js...
design.json isps/e...
film.json isps/entit...
food_and_drink.js...
geography.json is...
history.json isps/e...
language.json isp...
literature.json isp...
TKOTRIVIAALEXA
tv_and_radio.json
united_states.json
subscription
all_categories.json
lambda
custom
apl
answer.json
old_answer.json
old_question.json
question.json
splash.json
node_modules
achievements.js
index.js
package-lock.json
package.json
util.js
utils.js
models
en-US.json
.gitattributes
LICENSE.txt
README.md
resetISP.py
skill.json
OUTLINE
CategoryList
1 of 8
38
39 const LaunchRequestHandler = {
40 canHandle(handlerInput) {
41 console.log("CANHANDLE - LaunchRequestHandler");
42 return Alexa.getRequestType(handlerInput.requestEnvelope) === "LaunchRequest";
43 },
44 async handle(handlerInput) {
45 console.log("HANDLED - LaunchRequestHandler");
46 var sessionAttributes = handlerInput.attributesManager.getSessionAttributes();
47 var speakText = "";
48 var locale = handlerInput.requestEnvelope.request.locale;
49 var welcome = await getRandomResponse("Welcome", locale);
50
51 if (IsFirstVisit) {
52 sessionAttributes.currentState = "LAUNCHREQUEST - FIRSTVISIT";
53 //speakText = welcome.fields.VoiceResponse + " Before we get started, what is your first name?";
54 speakText = "<audio src='soundbank://soundlibrary/ui/gameshow/amzn_ui_sfx_gameshow_bridge_02'/>" + welcome.fields.VoiceResponse;
55 var category = getRandomCategory();
56 var question = await getRandomQuestion(category, locale);
57 sessionAttributes.currentQuestion = question.fields;
58 return await askTriviaQuestion(handlerInput, category, question, 1, speakText);
59 }
60 else
61 {
62 sessionAttributes.currentState = "LAUNCHREQUEST - SUBSEQUENTVISIT";
63 var query = await getRandomResponse("ActionQuery", locale);
64 speakText = "<audio src='soundbank://soundlibrary/ui/gameshow/amzn_ui_sfx_gameshow_bridge_02'/>" + welcome.fields.VoiceResponse + " " + AchievementSpeech + "<break time='.5s'/>"
65 }
66
67 sessionAttributes.currentSpeak = speakText;
68 sessionAttributes.currentReprompt = query.fields.VoiceResponse;
69
70 //const { deviceId } = handlerInput.requestEnvelope.context.System.device;
71 //const deviceAddressServiceClient = handlerInput.serviceClientFactory.getDeviceAddressServiceClient();
72 //const address = await deviceAddressServiceClient.getCountryAndPostalCode(deviceId);
73 //console.log("ADDRESS:" + JSON.stringify(address));
74
75
76
77 var rb = handlerInput.responseBuilder;
78 rb.speak(speakText);
79 rb.reprompt(query.fields.VoiceResponse)
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
1: bash
[ID] amzn1.adg.product.76cd6f01-c886-4415-8411-7343a9ea091d [FILE] isps/entitlement/tv_and_radio.json
[ID] amzn1.adg.product.f6a25e4f-de02-403e-b848-642ab5ce66a4 [FILE] isps/subscription/all_categories.json
Your skill is now deployed and enabled in the development stage. Try simulate your Alexa skill skill using "ask dialog" command.
9801a791d7ab:TKOTriviaAlexa jeffblan$
master
0 0
Contact Alexa
Deploy
Ln 441, Col 49
Spaces: 4
UTF-8
LF
Java







Over 100 million

Alexa-enabled devices

100,000+

Alexa skills

Hundreds of thousands
of Alexa skill developers

Customers have used Alexa Skills

billions of times.

100% increase

in skill engagement this year


echo
Mark
10:35








Rain is OK, Do not submerge










3:01
Back
Up Next
3's & 7's
Queens of the Stone Age
Era Vulgaris
0:08
-3:26
97.1
Radio
Media
Climate
Apps
Nav
Controls
CarPlay
OFF
AUTO
A/C
MODE
FRONT
MUTE
SCREEN OFF
AUX 3
P
R
N
D








2:56


6Y44233
ONE WAY



Capabilities

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Create Alexa skills in minutes

1 Pick a blueprint 2 Fill in the blanks 3 Use, share, or publish your skill



Featured Blueprints

Custom Q&A
Customize Alexa's response to your questions.

Chore Chart
Schedule and track weekly chores for your entire household.

How does it work?
See how easy it is to create a skill with blueprints.

WATCH VIDEO

Whose Turn
Figure out whose turn it is to do something by having Alexa choose for you.

How Many Days
Give Alexa an important date, and she'll count down the days to your event.

Burns
Roast your friends and family with lighthearted burns.

At Home

Custom Q&A
Customize Alexa's response to your

Houseguest
Welcome your guests with a guide to your

Babysitter
Help the sitter find things, remember

Pet Sitter
Help the pet sitter care for your favorite

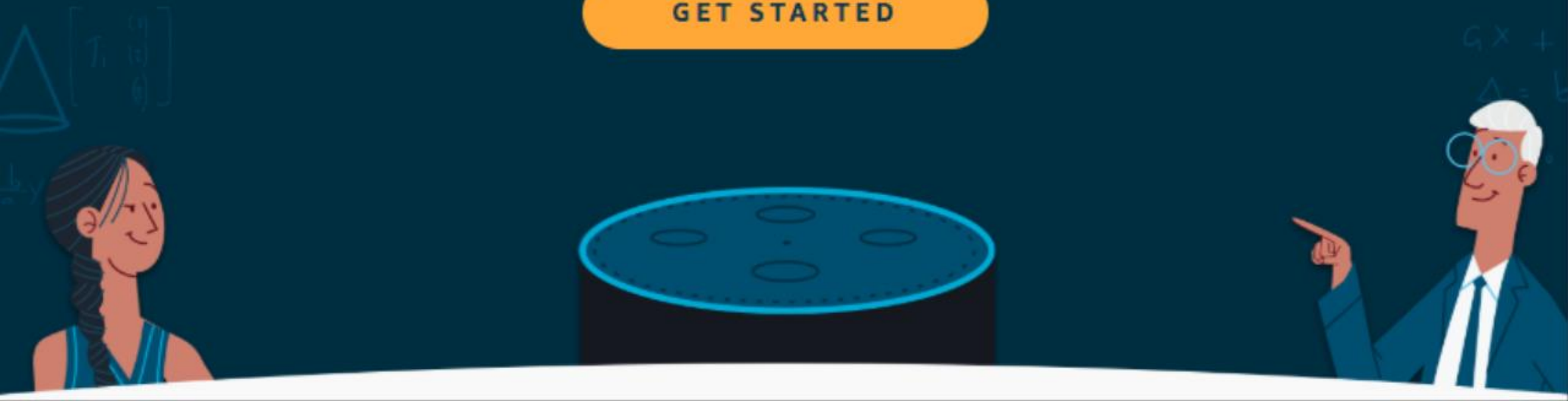
How Many Days
Give Alexa an important date, and

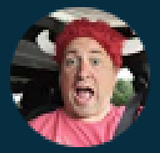
Task Tracker
Create and manage your checklists to help

Help make Alexa smarter

Join the experts and enthusiasts sharing their knowledge with Alexa and the world.

GET STARTED





Hello, Jeff Blankenburg!
Share your knowledge with the world!

For You | **Your Answers** | Your Impact

CATEGORY **All categories** | SORT BY **Most recent**

Animals • 1 Answer

Do eagles fly south?

Yes. The search for food is the reason bald eagles who nest in the northern United States and Canada, migrate south in late autumn and early winter, when lakes and rivers in their nesting grounds freeze over.

 Jeff Blankenburg (you) • 1s ago

NOT LIVE | Points 0 | Rating ☆☆☆☆☆ 0

Sports • 1 Answer

What team did roman reigns play for?

Roman Reigns, also known as Leati Anoa'i, played college football at Georgia Tech, and played professional football for the Minnesota Vikings, Jacksonville Jaguars, and the Edmonton Eskimos. He joined the WWE in 2010.

“Alexa, speak faster.”

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"Alexa, turn on whisper mode."

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"Alexa, when I say good night, turn off the bedroom light."

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“Alexa, what am I holding?”

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“Alexa, नमस्ते”

(Hindi)

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"Alexa, *hola*!"

(Spanish (US))

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"Alexa, *Olá*!"

(Portuguese)

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Developer tools

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Choose a method to host your skill's backend resources

You can provision your own backend resources or you can have Alexa host them for you. If you decide to have Alexa host your skill, you'll get access to our code editor, which will allow you to deploy code directly to AWS Lambda from the developer console.

Provision your own

Provision your own endpoint and backend resources for a skill. With this option, you will not gain access to the console's code editor.

Alexa-Hosted (Node.js)

SELECTED

Alexa will host skills in your account up to the AWS Free Tier limits and get you started with a Node.js template. You will gain access to an AWS Lambda endpoint, 5 GB of media storage with 15 GB of monthly data transfer, and a table for session persistence. Learn more

Alexa-Hosted (Python)

Alexa will host skills in your account up to the AWS Free Tier limits and get you started with a Python template. You will gain access to an AWS Lambda endpoint, 5 GB of media storage with 15 GB of monthly data transfer, and a table for session persistence. Learn more



Layouts

- mainTemplate
  - Container
    - Image
    - Container
      - Image

Image

source
The URL to download from.

https://tko-trivia.s3.a

scale
How the component will be resized to fit in the bounding box. Defaults to 'best-fit'.

best-fill

align
Alignment of the image within the containing box. Defaults to center.

Select an option

borderRadius
Clipping radius for the image. Defaults to 0.b

overlayColor
If set, a theme-appropriate scrim is overlaid on the image. This ensures text placed on the image is legible. Defaults to transparent.

filters
One or more filtering operations to apply to the image

overlayGradient
Apply a colored gradient to this image.



Simulations may render differently on physical devices.

View on Kitchen

Components

Container
Frame
Image
Scroll View
Sequence
Text
Touch Wrapper
Video
Pager

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English (US)

Save Model | View Model Versions | Build Model | Evaluate Model

CUSTOM

Interaction Model

- Utterance Conflicts (0)
- Invocation
- Intents (15) Add
  - AnswerIntent
    - answer
    - wrong
    - thisthatthey
  - SpecificQuestionIntent
    - category
    - number
  - QuestionIntent
    - category
  - BuyCategoryIntent
    - category
  - BuySubscriptionIntent
  - CancelProductIntent

Intents / AnswerIntent

Sample Utterances (28)

Bulk Edit | Export

What might a user say to invoke this intent?

- I think it is {answer}
- It is {answer}
- The answer is {answer}
- {answer}
- uh {wrong}

1 – 5 of 28 Show All

Dialog Delegation Strategy

Dialog management is not enabled f...

Why is this disabled?

Intent Slots (3)

ORDER	NAME	SLOT TYPE	ACTIONS

English (US)

Save Model | View Model Versions | Build Model | Evaluate Model

CUSTOM

Interaction Model

- Utterance Conflicts (0)
- Invocation
- Intents (17) Add
  - CharacterIntent
    - character
  - DroidIntent
    - droid
  - CreatureIntent
    - creature
  - VehicleIntent
    - vehicle
  - WeaponIntent
    - weapon
  - TechnologyIntent
    - technology
  - ThingIntent

Intents / CharacterIntent

Sample Utterances (4)

Bulk Edit | Export

What might a user say to invoke this intent?

- {character}
- who is {character}
- give me information about {character}
- tell me about {character}

1 – 4 of 4

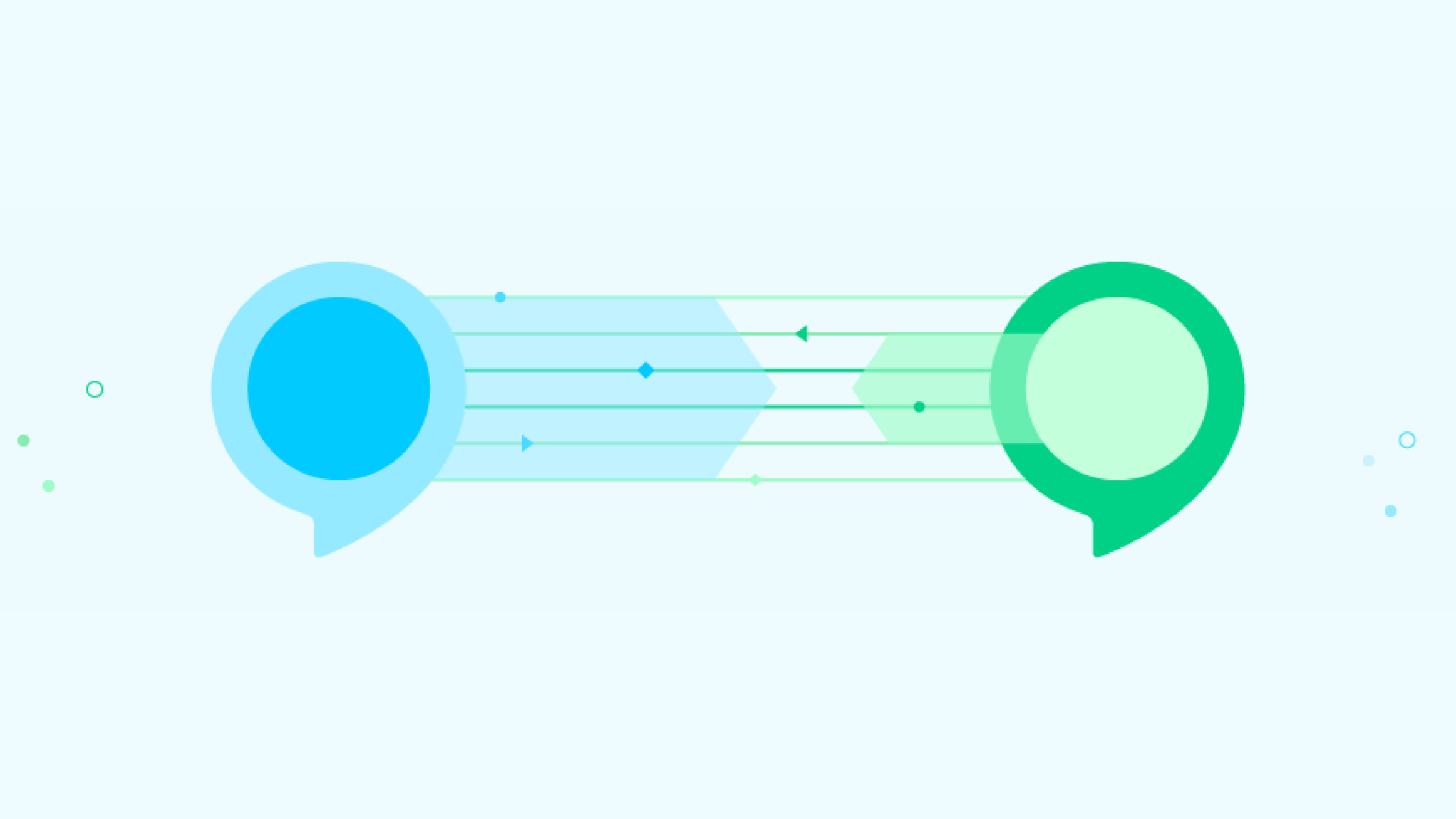
Dialog Delegation Strategy

Dialog management is not enabled f...

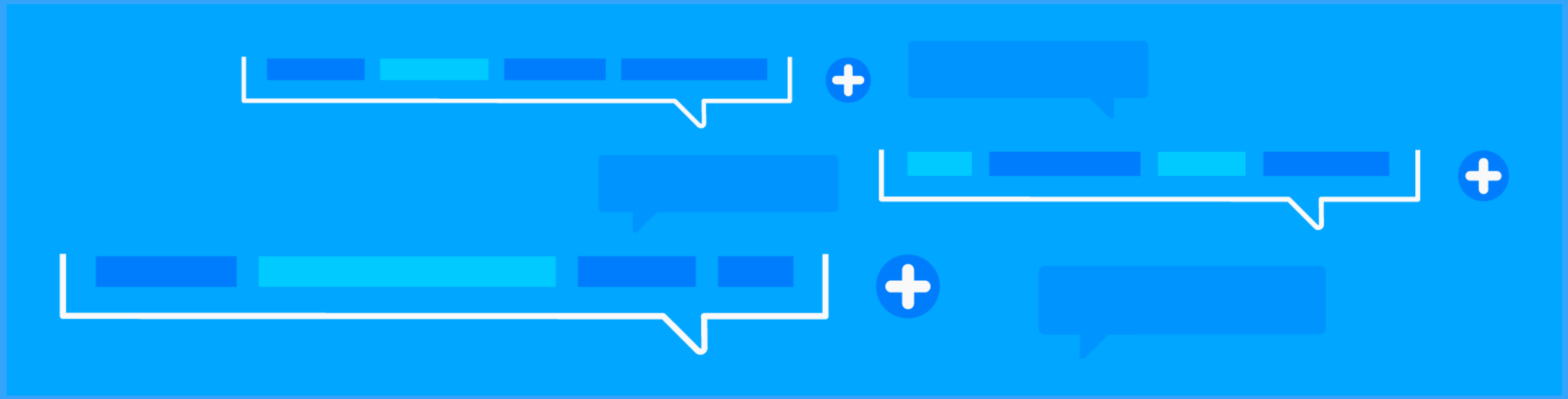
Why is this disabled?

Intent Slots (1)

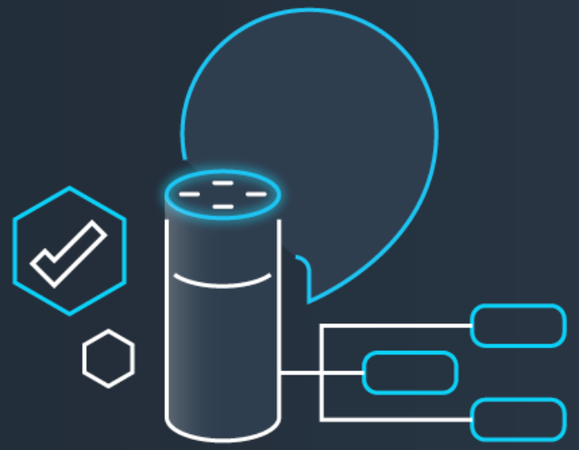
ORDER	NAME	SLOT TYPE	ACTIONS
1	character	Character	Edit Dialog | Delete











aws certified

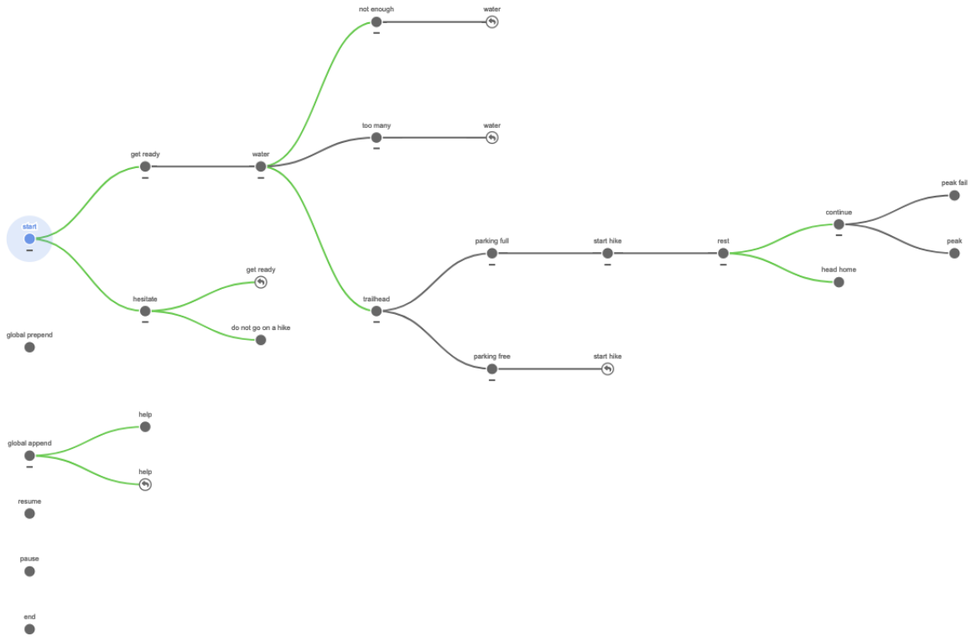
Alexa Skill Builder



Skill Flow Builder

Going Hiking

Search for scene...



Scene: start

Say | Visuals | Actions

Say

Good morning! You roll over in bed and look outside. It looks like a beautiful day. Would you like to go on a hike?

Recap

Recap not defined.

Reprompt

Reprompt not defined.

Quick Actions

yes → get ready

no → hesitate

Add Hear Action

Add Action

Skill Flow Builder | Going Hiking | en-US

Search for scene...

start

not enough

too many

get ready

water

get ready

hesitate

do not go on a hike

trailhead

SAY

Yay, you are so excited. You start to get ready for your adventure. You pick a beautiful nearby alpine lake as your hiking destination and get out your daypack. You toss your fully charge smartphone, first aide kit, small multitool, a big bag of granola, and a lightweight rain jacket into your pack. You throw on some comfy hiking clothes and lace up your hiking shoes. Almost ready! How many bottles of water would you like to take with you?

0:20 / 0:26

REPROMPT

I'd recommend one to three bottles of water. How many bottles of water would you like to take with you?

0:00 / 0:05

SHOW



template: default
background: https://sfb-framework.s3.amazonaws.com/examples/images/alps.jpg
title: Skill Flow Builder
subtitle:

AMAZON.NUMBER | No | Start Over | Repeat | Help

Go Back | *

Variable Name	Old Value	Current Value
bottles		{"type":"AMAZON.NUMBER"}

What are you going to build in 2020?

AWS re:Invent

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aws

Learn Alexa skills with AWS Training and Certification

Build and validate skills to help you build solutions for 100+ million Alexa-enabled devices



Free digital courses cover topics related to Alexa skill-building, including Alexa for Developers and Designing for Conversation



Validate expertise with the
AWS Certified Alexa Skill Builder - Specialty exam

Visit aws.amazon.com/certification/certified-alexa-skill-builder-specialty

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aws training and certification

Thank you!

Jeff Blankenburg

@jeffblankenburg

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Please complete the session survey in the mobile app.

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