

AXS-C01^{Q&As}

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QUESTION 1

Before beginning the development of a skill, an Alexa Skill Builder wants to hear how a statement will be pronounced by Amazon Alexa in another locale.

How should the Builder test the pronunciation of the statement?

- A. Use the Alexa Simulator tab in the developer console to interact with the skill using the selected locale.
- B. Create a developer account for the specific locale, and use a device to interact with the skill.
- C. Use Voice and Tone tab in the developer console to play the statement using the selected locale.
- D. Use the Manual JSON tab in the developer console to create a sample JSON response

Correct Answer: C

Reference: <https://developer.amazon.com/en-US/docs/alexa/devconsole/test-your-skill.html>

QUESTION 2

An Alexa Skill Builder is developing a skill that must send an initial welcome email to each new user.

What combination of features would the Builder use to satisfy this requirement? (Choose two.)

- A. Alexa Settings API
- B. Entity resolution
- C. Customer Profile API
- D. Device Address API
- E. Data persistence

Correct Answer: AC

QUESTION 3

An Alexa Skill Builder wants to customize a welcome back message for each person who uses the skill.

The JSON input is shown below:

```
{
  "version": "1.0",
  "session": {
    "new": true,
    "sessionId": "amzn1.echo-api.session.001",
    "application": {
      "applicationId": "amzn1.ask.skill.001"
    }
  },
  "user": {
    "userId": "amzn1.ask.account.001"
  }
},
"context": {
  "AudioPlayer": {
    "playerActivity": "IDLE"
  },
  "Display": {},
  "System": {
    "application": {
      "applicationId": "amzn1.ask.skill.001"
    },
    "user": {
      "userId": "amzn1.ask.account.001"
    },
    "device": {
      "deviceId": "amzn1.ask.device.001",
      "supportedInterfaces": {
        "AudioPlayer": {},
        "Display": {
          "templateVersion": "1.0",
          "markupVersion": "1.0"
        }
      }
    }
  },
  "apiEndpoint": "https://api.amazonalexa.com",
  "accessToken": "001"
},
"request": {
  "type": "LaunchRequest",
  "requestId": "amzn1.echo-api.request.001",
  "timestamp": "2018-03-21T16:37:27Z",
  "locale": "en-US",
  "shouldLinkResultBeReturned": false
}
}
```

Which element from the request would the Builder use to accomplish this?

- A. sessionId
- B. userId
- C. requestId
- D. applicationId

Correct Answer: A

QUESTION 4

An Alexa Skill Builder has created a custom skill about basketball including a HowToPlayBasketball intent. When looking at the Intent History page in the developer console, the Builder sees that a number of users are asking the skill how to play baseball. The Builder wants to add a relevant response directing the user back to the topic of basketball.

How should the Builder implement this?

- A. Add AMAZON.FallbackIntent and respond with a message about baseball in the handler
- B. Create a custom intent related to baseball, and when matched, provide a relevant response
- C. Add more sample utterances related to baseball in the HowToPlayBasketball intent
- D. Create a new custom baseball slot and add a slot-filling utterance to the HowToPlayBasketball intent.

Correct Answer: A

Reference: <https://developer.amazon.com/blogs/alexa/post/c97f3bb7-9701-41e8-ac06-a3a44b9f1638/usethe-new-fallback-intent-to-respond-gracefully-to-unexpected-customer-requests>

QUESTION 5

An Alexa Skill Builder is troubleshooting issues with a custom skill backed by an AWS Lambda function that integrates with an external API controlling a light bulb. The Builder observes that when saying "Alexa, turn on the light" the response is "light is not responding" and 10 seconds later, the light turns on.

What is the MOST likely cause for this issue and how can it be solved?

- A. The Lambda function is not executing fast enough. Double the currently specified Lambda memory allocation in the Lambda basic settings section.
- B. The default Lambda function timeout setting is too short and the Lambda function times out before the response from the external API can be processed and a reply can be sent back to Amazon Alexa. Increase the Lambda timeout limit.
- C. There are too many concurrent Lambda functions running, causing the existing Lambda function to block and then time out before a response can be returned to Amazon Alexa. Increase the Lambda function reserve concurrency value to 30, then verify that the function can complete its work within 10 seconds.
- D. There is a bug in the Lambda function code preventing the external API from being called. Enable Lambda debugging and error handling and check Amazon CloudWatch Logs for the error, then modify the code accordingly.

Correct Answer: D

QUESTION 6

An Alexa Skill Builder would like to improve a skill's help experience. To do this, the Builder plans to leverage the user's activity leading up to the help request to contextualize the help response.

Where should the skill obtain the necessary context?

- A. Load the user's recent activity from the Intent Request History API, then use this to provide context to the AMAZON.HelpIntent request.
- B. Retrieve the recent activity from the context object passed with the AMAZON.HelpIntent request.
- C. Use a session attribute to store the intent name for each request, then use this to provide context to the AMAZON.HelpIntent request.
- D. Retrieve the recent activity from the slot values passed with the AMAZON.HelpIntent request.

Correct Answer: D

Reference: <https://developer.amazon.com/en-US/docs/alexa/custom-skills/implement-the-built-in-intents.html>

QUESTION 7

An Alexa Skill Builder is creating a skill that will identify an actor who spoke a famous piece of movie dialog, given just the dialog text and an optional movie name. The Builder created the FindActorIntent as shown below, but Amazon Alexa returns an error when it builds the model.

```
{
  "intents": [
    {
      "name": "FindActorIntent",
      "slots": [
        {
          "name": "Dialog",
          "type": "AMAZON.SearchQuery"
        },
        {
          "name": "Movielist",
          "type": "AMAZON.Movie"
        }
      ],
      "samples": [
        "who said {Dialog} in {MovieList}",
        "which actor said {Dialog}",
        "search for {Dialog}",
        "who said {Dialog}"
      ]
    }
  ]
}
```

Why is Alexa failing to build the model?

- A. Intents can have one built-in slot type only
- B. All sample utterances within an intent should have both slots
- C. SearchQuery is combined with another intent slot in an utterance.
- D. "Dialog" is a reserved keyword in the Alexa Interaction Model schema.

Correct Answer: C

Reference: <https://forums.developer.amazon.com/questions/112932/got-error-codeinvalidintentsamplephraseslot.html>

QUESTION 8

An Alexa Skill Builder receives feedback from users that a specific utterance causes Amazon Alexa to trigger the skill's AMAZON.HelpIntent rather than triggering the correct intent and slot.

How can the Builder reproduce this behavior to troubleshoot the problem?

- A. Use the AWS Lambda test feature to send a request with the given intent and slot combination.

- B. Set up a unit test in the code base to simulate what happens when the given intent and slot combination are dispatched within the skill.
- C. Use the Manual JSON tab on the Test page of the developer console to see what happens when a request for the given intent and slot combination is sent to the skill
- D. Use the Alexa Simulator tab on the Test page of the developer console to test the utterances the users have reported.

Correct Answer: B

QUESTION 9

An Alexa Skill Builder is developing a skill containing a multi-turn dialog that can be invoked with or without a specific intent request. On invocation, the skill needs to retrieve persistent attributes that have been saved by a previous invocation, and then copy them into session attributes.

How should the Builder implement this functionality?

- A. Place logic within the skill's SessionEndedRequest intent handler to copy the persistent attributes into the session attributes.
- B. Implement ResponseInterceptor containing logic that takes the current persistent attributes and copies them into session attributes.
- C. Include logic within the LaunchRequest intent handler to retrieve persistent attributes and copy them into session attributes.
- D. Implement RequestInterceptor containing logic which for new sessions, retrieves persistent attributes and copies them into session attributes

Correct Answer: A

Reference: <https://developer.amazon.com/en-US/docs/alexa/alexa-skills-kit-sdk-for-nodejs/manageattributes.html>

QUESTION 10

An Alexa Skill Builder is developing a skill using AWS Lambda. The Builder made some backend code changes, then tested the skill on an Amazon Echo device. When invoking the skill, Amazon Alexa replies with "There was a problem with the requested skill's response".

How can the Builder troubleshoot this problem?

- A. Use Amazon CloudWatch to check the most recent execution log and see if an error is present.
- B. Use Amazon DynamoDB and export a copy of the log database, then search for error messages.
- C. Use the developer console to rebuild the model, then invoke the skill again with the invocation name.
- D. Use the developer console to add AMAZON.LaunchRequest to the interaction model, rebuild the model, then invoke the skill again.

Correct Answer: D

Reference: <https://developer.amazon.com/blogs/alexa/post/0d8c5234-3c7a-4b77-9906-b43a5310bde4/5common-error-messages-for-custom-alexa-skills-and-how-to-troubleshoot-them>

QUESTION 11

An Alexa Skill Builder is using session attributes to maintain a user's state.

What can the Builder do to ensure that a user's session is not lost if they take too long to answer a question and the skill exists?

- A. Set shouldEndSession to false in the response object to prevent the skill from exiting.
- B. Handle the SessionEndedRequest request type and persist the user's session to a database.
- C. Return false from the SessionEndedRequest handler so the session does not exist.
- D. Return a reprompt in the response object from the SessionEndedRequest handler.

Correct Answer: A

Reference: <https://developer.amazon.com/blogs/alexa/post/08edaa00-59e2-46b7-aace-4080f2a87450/using-session-attributes-in-your-alexa-skill-to-enhance-the-voice-experience>

QUESTION 12

An Alexa Skill Builder wants to implement in-skill purchasing to offer one-time purchases for access to premium content. The Builder created an entitlement product and deployed it successfully using the ASK CLI tool. When testing the custom BuyInSkillProductIntent in the developer console, the Builder receives the following error:

Sorry, this product is not available with your current language setting.

How can this error be fixed?

- A. Change the release date and redeploy the product
- B. Change the locale in the Alexa Simulator tab in the developer console
- C. Change the AWS Lambda function to include the correct locale in the Connections.SendRequest directive
- D. Change the language in the premium content

Correct Answer: C

Reference: <http://alexaskillstutorials.com>

QUESTION 13

An Alexa Skill Builder is developing a skill using AWS Lambda. When invoking the skill, Amazon Alexa responds "There was a problem with the requested skill's response."

The following message is displayed in Amazon CloudWatch Logs for the Lambda function.

```
{
  "type": "SessionEndedRequest",
  ...
  ...
  "reason": "ERROR",
  "error": {
    "type": "INVALID_RESPONSE",
    "message" : "An exception occurred while dispatching the request to the skill."
  }
}
```

Which of the following actions will resolve the problem?

- A. Define a new intent named Unhandled in the skill interaction model and add an Unhandled intent handler to the Lambda function.
- B. Add an `.addErrorHandlers()` attribute to the SkillBuilder object and define a function to display detailed information about the error, then respond verbally to the user.
- C. Add an intent handler for the SessionEndedRequest intent to the Lambda function to display detailed information about the error.
- D. Add additional logic to the AMAZON.StopIntent handler in the Lambda function to display detailed information about the error.

Correct Answer: B

Reference: <https://forums.developer.amazon.com/questions/201658/input-request-reason-error-typeinvalid-response-1.html>

QUESTION 14

An Alexa Skill Builder did not include a display template in a skill.

When the skill is used with an Amazon Alexa enabled device with a screen, cards used in the skill are:

- A. rendered as a gray screen.
- B. rendered using the skill icon as the foreground image.
- C. rendered using the skill icon as the background image.
- D. rendered using BodyTemplate1.

Correct Answer: D

Reference: <https://developer.amazon.com/en-US/docs/alexa/custom-skills/best-practices-for-skill-carddesign.html>

QUESTION 15

An Alexa Skill Builder noticed that a large percentage of a food ordering skill's customers are not completing their transactions. The Builder needs to know what portion of the customers are leaving the skill by not responding, compared to the portion of customers who receive an error.

Which report inside the Analytics section of the developer console will provide this information?

- A. Session Type Distribution
- B. Unique Customers Per Intent
- C. Average Session Per Customer
- D. Failed Utterances Per Intent

Correct Answer: C

Reference: <https://developer.amazon.com/en-US/docs/alexa/devconsole/measure-skill-usage.html>

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