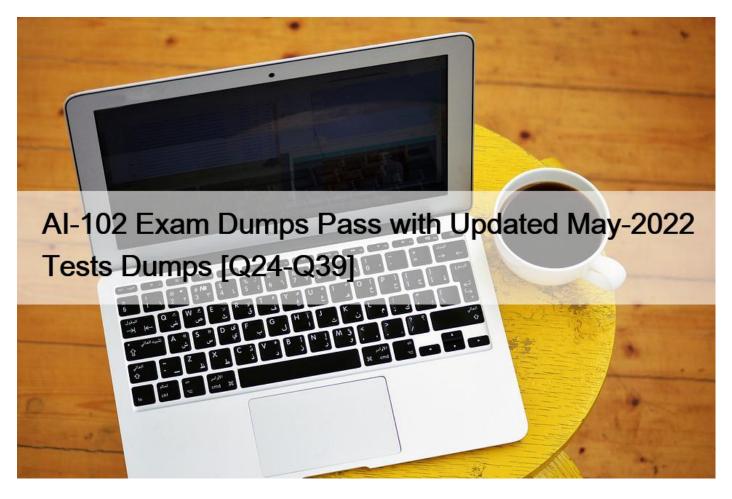
AI-102 Exam Dumps Pass with Updated May-2022 Tests Dumps [Q24-Q39



AI-102 Exam Dumps Pass with Updated May-2022 Tests Dumps

AI-102 exam questions for practice in 2022 Updated 116 Questions

Who should take the AI-102: Designing and Implementing an Azure AI Solution Exam

The AI-102 Exam certification is an internationally-recognized certification which help to have validation for Azure AI Solution Architects who have ability to accomplish the following technical tasks: analyze solution requirements; design solutions; integrate AI models into solutions; and deploy and manage solutions.

NEW QUESTION 24

You successfully run the following HTTP request.

POST

* A key for Azure Cognitive Services was generated in Azure Key Vault.

- * A new query key was generated.
- * The primary subscription key and the secondary subscription key were rotated.
- * The secondary subscription key was reset.

Accounts – Regenerate Key regenerates the specified account key for the specified Cognitive Services account.

Syntax:

POST https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.CognitiveServices/accounts/{accountName}/regenerateKey?api-version=2017-04-18 Reference:

https://docs.microsoft.com/en-us/rest/api/cognitiveservices/accountmanagement/accounts/regeneratekey

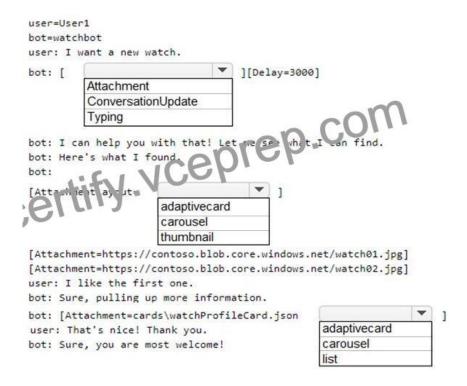
NEW QUESTION 25

You are designing a conversation flow to be used in a chatbot.

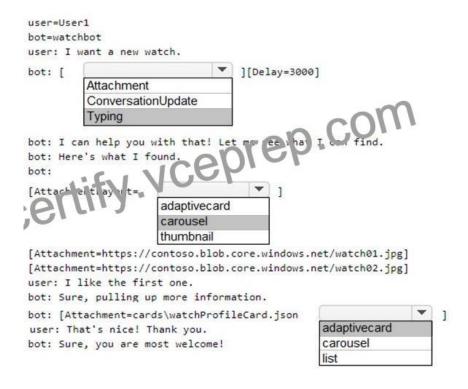
You need to test the conversation flow by using the Microsoft Bot Framework Emulator.

How should you complete the .chat file? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



Graphical user interface, text, application Description automatically generated



Reference:

https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-add-media-attachments?view=azure-bot-se

NEW QUESTION 26

You are developing the shopping on-the-go project.

You are configuring access to the QnA Maker resources.

Which role should you assign to AllUsers and LeadershipTeam? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



Answer Area



Explanation:

Box 1: QnA Maker Editor

Scenario: Provide all employees with the ability to edit Q&As.

The QnA Maker Editor (read/write) has the following permissions:

Create KB API

Update KB API
Replace KB API
Replace Alterations
"Train API" [in
new service model v5]
Box 2: Contributor
Scenario: Only senior managers must be able to publish updates.
Contributor permission: All except ability to add new members to roles
Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/reference-role-based-access-controlutions and the controlution of the control
NEW QUESTION 27
You run the following command.
<pre>docker runrm -it -p 5000:5000memory 10gcpus 2 \ mcr.microsoft.com/azure-cognitive-corvices/textanalytics/sentiment\ Eula=accept \ Billing={ENDPOINT_URI} \ ApiKey={API_KEY}</pre>
For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statements	Yes	No
Going to http://localhost:5000/status will the Azure endpoint to verify whether the API key used to start the container is valid.	0	0
The container logging provider will write log data.	0	0
Going to http://localhost:5000/swagger will provide the details to access the documentation for the available endpoints.	0	0

Values **Answer Area** detect POST {Endpoint}/face/v1.0/ detect Request Body findsimilars group identify c5c24a82-6845-4031-9d5d-978df9175426", matchFace "largeFaceListId": "sample list", "largeFaceListId": "sample list", matchPerson "maxNumOfCandidatesReturned": 10, verify "mode": " matchPerson }

Explanation

Text Description automatically generated

Statements	Yes	No
Going to http://localhost:5000/status will query the Azure endpoint to verify whether the API key used to start the container is valid.	0	0
The container logging provider will write log data.	0	0
Going to http://localhost:5000/swagger will provide the details to access the documentation for the available endpoints.	0	0

Box 1: Yes

http://localhost:5000/status

: Also requested with GET, this verifies if the api-key used to start the container is valid without causing an endpoint query.

Box 2: Yes

The command saves container and LUIS logs to output mount at C:output, located on container host

Box 3: Yes

http://localhost:5000/swagger

: The container provides a full set of documentation for the endpoints and a Try it out feature. With this feature, you can enter your settings into a web-based HTML form and make the query without having to write any code. After the query returns, an example CURL command is provided to demonstrate the HTTP headers and body format that 's required.

Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-container-howto

NEW QUESTION 28

You build a conversational bot named bot1.

You need to configure the bot to use a QnA Maker application.

From the Azure Portal, where can you find the information required by bot1 to connect to the QnA Maker application?

- * Access control (IAM)
- * Properties
- * Identity
- * Keys and Endpoint

Topic 1, Wide World Importers

Existing Environment

A company named Wide World Importers is developing an e-commerce platform.

You are working with a solutions architect to design and implement the features of the e-commerce platform. The platform will use microservices and a serverless environment built on Azure.

Wide World Importers has a customer base that includes English, Spanish, and Portuguese speakers.

Applications

Wide World Importers has an App Service plan that contains the web apps shown in the following table.

Name	Description
Product Management	An app used by employees to create and manage products. The app and the expected inputs from the employees are in English.
Inventory Tracking	An app used by employees to manage inventory when dispatching orders, receiving refunds, and receiving consignments from suppliers.

Azure Resources

You have the following resources:

An Azure Active Directory (Azure AD) tenant

The tenant supports internal authentication.

All employees belong to a group named AllUsers.

Senior managers belong to a group named LeadershipTeam.

An Azure Functions resource

A function app posts to Azure Event Grid when stock levels of a product change between OK, Low Stock, and Out of Stock. The function app uses the Azure Cosmos DB change feed.

An Azure Cosmos DB account

The account uses the Core (SQL) API.

The account stores data for the Product Management app and the Inventory Tracking app.

An Azure Storage account

The account contains blob containers for assets related to products.

The assets include images, videos, and PDFs.

An Azure Cognitive Services resource named wwics

A Video Indexer resource named wwivi

Requirements

Business Goals

Wide World Importers wants to leverage AI technologies to differentiate itself from its competitors.

Planned Changes

Wide World Importers plans to start the following projects:

A product creation project: Help employees create accessible and multilingual product entries, while expediting product entry creation.

A smart e-commerce project: Implement an Azure Cognitive Search solution to display products for customers to browse.

A shopping on-the-go project: Build a chatbot that can be integrated into smart speakers to support customers.

Business Requirements

Wide World Importers identifies the following business requirements for all the projects:

Provide a multilingual customer experience that supports English, Spanish, and Portuguese.

Whenever possible, scale based on transaction volumes to ensure consistent performance.

Minimize costs.

Governance and Security Requirements

Wide World Importers identifies the following governance and security requirements:

Data storage and processing must occur in datacenters located in the United States.

Azure Cognitive Services must be inaccessible directly from the internet.

Accessibility Requirements

Wide World Importers identifies the following accessibility requirements:

All images must have relevant alt text.

All videos must have transcripts that are associated to the video and included in product descriptions.

Product descriptions, transcripts, and all text must be available in English, Spanish, and Portuguese.

Product Creation Requirements

Wide World Importers identifies the following requirements for improving the Product Management app:

Minimize how long it takes for employees to create products and add assets.

Remove the need for manual translations.

Smart E-Commerce Requirements

Wide World Importers identifies the following requirements for the smart e-commerce project:

Ensure that the Cognitive Search solution meets a Service Level Agreement (SLA) of 99.9% availability for searches and index writes.

Provide users with the ability to search insight gained from the images, manuals, and videos associated with the products.

Support autocompletion and autosuggestion based on all product name variants.

Store all raw insight data that was generated, so the data can be processed later.

Update the stock level field in the product index immediately upon changes.

Update the product index hourly.

Shopping On-the-Go Requirements

Wide World Importers identifies the following requirements for the shopping on-the-go chatbot:

Answer common questions.

Support interactions in English, Spanish, and Portuguese.

Replace an existing FAQ process so that all Q&A is managed from a central location.

Provide all employees with the ability to edit Q&As. Only senior managers must be able to publish updates.

Support purchases by providing information about relevant products to customers. Product displays must include images and warnings when stock levels are low or out of stock.

Product JSON Sample

You have the following JSON sample for a product.

```
{
    "sku": "b1",
    "name": {
        "en": "Bicycle",
        "es": "Bicicleta",
        "pt": "Bicicleta"
                           prep.com
    "stocklevel": "Out of Stock",
    "description": {
        "en": "Bicycle"
        "es": "Biciclita
"pt": "Bicicleta
         https://upload.worldwideimporters.org/bicycle.jpg",
           "alttext": {
                 "en": "Bicycle",
                 "es": "Bicicleta",
                 "pt": "Bicicleta"
       },
    "createdUtc": "2020-02-14T06:08:39Z",
    "language": "en"
}
```

NEW QUESTION 29

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.

You plan to create a new Azure Cognitive Search service named service1.

You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet.

Solution: You deploy service1 and a private endpoint to vnet1.

Does this meet the goal?

- * Yes
- * No

This page was exported from - <u>Latest Exam Prep</u> Export date: Sat Sep 21 11:44:17 2024 / +0000 GMT

A private endpoint is a network interface that uses a private IP address from your virtual network. This network interface connects you privately and securely to a service powered by Azure Private Link. By enabling a private endpoint, you're bringing the service into your virtual network.

The service could be an Azure service such as:

Azure Storage

Azure Cosmos DB

Azure SQL Database

Your own service using a Private Link Service.

Reference:

https://docs.microsoft.com/en-us/azure/private-link/private-endpoint-overview

Topic 1, Contoso, Ltd.

General Overview

Contoso, Ltd. is an international accounting company that has offices in France. Portugal, and the United Kingdom. Contoso has a professional services department that contains the roles shown in the following table.

Name	Position	Office
Accountant	Manager	United Kingdom, France, Portugal
Accountant	Consultant	United Kir@dom, France, Portugal
Customer Service	Manager	No led Kingdom
Customer Service	Agent	United Kingdom
Bookkeeper	Manager	United Kingdom, France, Portugal
Bookkeeper	Consultant	United Kingdom, France, Portugal

Infrastructure

Contoso has the following subscriptions:

- * Azure
- * Microsoft 365
- * Microsoft Dynamics 365

Azure Active (Azure AD) Directory

Contoso has Azure Active Directory groups for securing role-based access. The company uses the following group naming conventions:

- * ICountryJ-[Levell-[Role]
- * [Level]-[Role]

Intellectual Property

Contoso has the intellectual property shown in the following table.

Content	Format	Language	Content	Domain
Weekly webinars	Video	English	Azure Blob storage	Vid.contoso.com
Blogs	Text	English, French, Portugue	oleb: _€	Blog.contoso.com Blog.contoso.com Fr-blog.contoso.com
Wikis	Certi	French, Portuguese	Azure Cosmos DB	Internal.contoso.com/wiki
Monthly conference recordings	Video	English	SharePoint Online	Contoso.sharepoint.com
Frequently asked questions (FAQs)	Text	English	SharePoint Online	Contoso.sharepoint.com

Text-based content is provided only in one language and is not translated.

Planned Projects

Contoso plans to develop the following:

- * A document processing workflow to extract information automatically from PDFs and images of financial documents
- * A customer-support chatbot that will answer questions by using FAQs
- * A searchable knowledgebase of all the intellectual property

Technical Requirements

Contoso identifies the following technical requirements:

- * All content must be approved before being published.
- * All planned projects must support English, French, and Portuguese.
- * All content must be secured by using role-based access control (RBAC).
- * RBAC role assignments must use the principle of least privilege.
- * RBAC roles must be assigned only to Azure Active Directory groups.
- * Al solution responses must have a confidence score that is equal to or greater than 70 percent.

* When the response confidence score of an Al response is lower than 70 percent, the response must be improved by human input.

Chatbot Requirements

Contoso identifies the following requirements for the chatbot:

- * Provide customers with answers to the FAQs.
- * Ensure that the customers can chat to a customer service agent.
- * Ensure that the members of a group named Management-Accountants can approve the FAQs.
- * Ensure that the members of a group named Consultant-Accountants can create and amend the FAQs.
- * Ensure that the members of a group named the Agent-CustomerServices can browse the FAQs.
- * Ensure that access to the customer service agents is managed by using Omnichannel for Customer Service.
- * When the response confidence score is low, ensure that the chatbot can provide other response options to the customers.

Document Processing Requirements

Contoso identifies the following requirements for document processing:

- * The document processing solution must be able to process standardized financial documents that have the following characteristics:
- * Contain fewer than 20 pages.
- * Be formatted as PDF or JPEG files.
- * Have a distinct standard for each office.
- * The document processing solution must be able to extract tables and text from the financial documents.
- * The document processing solution must be able to extract information from receipt images.
- * Members of a group named Management-Bookkeeper must define how to extract tables from the financial documents.
- * Members of a group named Consultant-Bookkeeper must be able to process the financial documents.

Knowledgebase Requirements

Contoso identifies the following requirements for the knowledgebase:

- * Supports searches for equivalent terms
- * Can transcribe jargon with high accuracy
- * Can search content in different formats, including video

* Provides relevant links to external resources for further research

NEW QUESTION 30

You need to develop an extract solution for the receipt images. The solution must meet the document processing requirements and the technical requirement.

You upload the receipt images to the Form Recognizer API for analysis, and the API returns the following JSON.

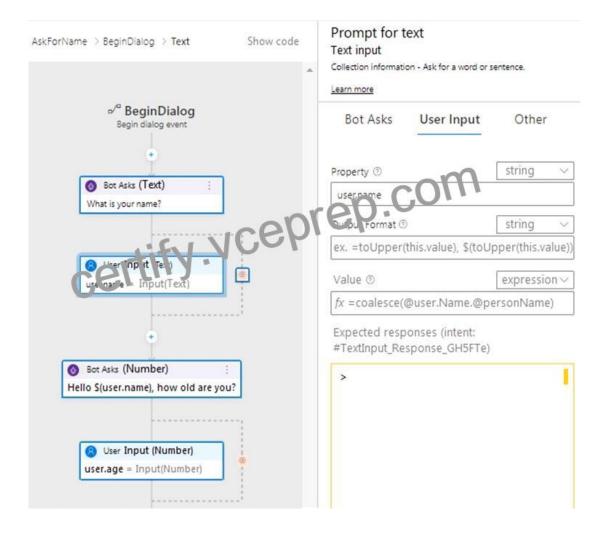
Which expression should you use to trigger a manual review of the extracted information by a member of the Consultant-Bookkeeper group?

- * documentResults. *.fieldconfidence <
- * documentResults.docType == "prebuiltreceipt"
- * documentResults. fields.ReceiptType.confidence > 0.7
- * docuementResults. fields.MerchantName.confidence < 0.7

NEW QUESTION 31

You are building a chatbot by using the Microsoft Bot Framework Composer.

You have the dialog design shown in the following exhibit.



For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
user name is an entity. The dialog asks for a user name and a user age and assigns appropriate	0	0
The dialog asks for a user name and a user age and assigns appropriate values to the user.name and user.age properties.	0	0
The chatbot attempts to take the first non-null entity value for userName or personName and assigns the value to user.name.	0	0
Answer Area		
Statements	Yes	No
user.name is an entity. The dialog asks for a user name and a user age and assigns appropriate	0	0
The dialog asks for a user name and a user age and assigns appropriate values to the user.name and user.age properties.	0	0
The chatbot attempts to take the first non-null entity value for userName or personName and assigns the value to user.name.	0	0

Reference:

https://docs.microsoft.com/en-us/composer/concept-language-generation

https://docs.microsoft.com/en-us/azure/data-explorer/kusto/query/coalescefunction

NEW QUESTION 32

You are building a Language Understanding model for an e-commerce platform. You need to construct an entity to capture billing addresses.

Which entity type should you use for the billing address?

- * machine learned
- * Regex
- * geographyV2
- * Pattern.any
- * list

An ML entity can be composed of smaller sub-entities, each of which can have its own properties. For example, Address could have the following structure:

Address: 4567 Main Street, NY, 98052, USA

Building Number: 4567

Street Name: Main Street

State: NY

Zip Code: 98052

Country: USA

https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types

NEW QUESTION 33

You have a web app that uses Azure Cognitive Search.

When reviewing billing for the app, you discover much higher than expected charges. You suspect that the query key is compromised.

You need to prevent unauthorized access to the search endpoint and ensure that users only have read only access to the documents collection. The solution must minimize app downtime.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area	
Add a new query key.		
Regenerate the secondary admin key. Change the app to use the secondary admin k Change the app to use the new key.	prep.com	
Change the app to use the secondary admin k	ey/ C	⊘
Change the app to use the new key.	→	\odot
Regenerate the primary admin key.		
Delete the compromised key.		

1 – Add a new query key.

Change the app to use the new key.

Delete the compromised key.

Add a new query key.

2 – Change the app to use the new key.

3 – Delete the compromised key.

Reference:

https://docs.microsoft.com/en-us/azure/search/search-security-api-keys

NEW QUESTION 34

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training.

Find contacts in London. Who do I know in Seattle?

Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding.

Solution: You create a new intent for location.

Does this meet the goal?

- * Yes
- * No

An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user's utterance.

Define a set of intents that corresponds to actions users want to take in your application. Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent

NEW QUESTION 35

You are using a Language Understanding service to handle natural language input from the users of a web-based customer agent.

The users report that the agent frequently responds with the following generic response: "Sorry, I don't understand that." You need to improve the ability of the agent to respond to requests.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose three.)

Actions

Answer Area

Add prebuilt domain models as required.

Migrate authoring to an Azure resource authoring key.

Enable active learning.

Enable log collection by using Log Analytics.

Train and republish the Language Understanding model.

Actions

Answer Area

Add prebuilt domain models as required.

Validate the utterances logged for review and modify the model.

Migrate authoring to an Azure resource authoring key.

Enable active learning.

Enable log collection by using Log Analytics.

Train and republish the Language Understanding model.

Enable active learning.

Validate the utterances logged for review an I modify the model.

Train and republish the Language Understanding model.

NEW QUESTION 36

You are developing a solution for the Management-Bookkeepers group to meet the document processing requirements. The solution must contain the following components:

A From Recognizer resource

An Azure web app that hosts the Form Recognizer sample labeling tool

The Management-Bookkeepers group needs to create a custom table extractor by using the sample labeling tool.

Which three actions should the Management-Bookkeepers group perform in sequence? To answer, move the appropriate cmdlets

from the list of cmdlets to the answer area and arrange them in the correct order.

Train a custom model

Label the sample documents

Create a new project and load sample documents

Create a composite model

Answer Area

Create a new project and load sample documents

Label the sample documents

Label the sample documents

Train a custom model.

1 – Create a new project and load sample documents

2 – Label the sample documents

3 – Train a custom model.

Reference:

https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/label-tool

NEW QUESTION 37

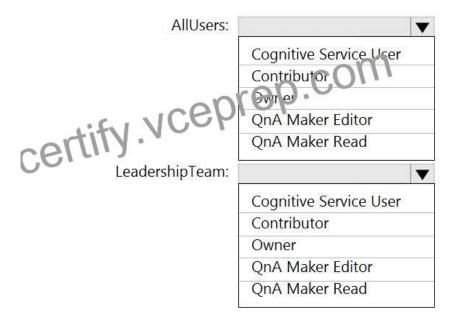
You are developing the shopping on-the-go project.

You are configuring access to the QnA Maker resources.

Which role should you assign to AllUsers and LeadershipTeam? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



Answer Area



Reference:

https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/reference-role-based-access-control

NEW QUESTION 38

You build a conversational bot named bot1.

You need to configure the bot to use a QnA Maker application.

This page was exported from - <u>Latest Exam Prep</u> Export date: Sat Sep 21 11:44:20 2024 / +0000 GMT

From the Azure Portal, where can you find the information required by bot1 to connect to the QnA Maker application?

- * Access control (IAM)
- * Properties
- * Keys and Endpoint
- * Identity

Obtain values to connect your bot to the knowledge base

- 1. In the QnA Maker site, select your knowledge base.
- 2. With your knowledge base open, select the SETTINGS tab. Record the value shown for service name. This value is useful for finding your knowledge base of interest when using the QnA Maker portal interface. It's not used to connect your bot app to this knowledge base.
- 3. Scroll down to find Deployment details and record the following values from the Postman sample HTTP request:
- 4. POST /knowledgebases/<knowledge-base-id>/generateAnswer
- 5. Host: <your-host-url>
- 6. Authorization: EndpointKey <your-endpoint-key>

Reference:

https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-qna

NEW QUESTION 39

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training.

Find contacts in London. Who do I know in Seattle?

Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding.

Solution: You create a new pattern in the FindContact intent.

Does this meet the goal?

- * Yes
- * No

Export date: Sat Sep 21 11:44:20 2024 / +0000 GMT
Explanation
Instead use a new intent for location.
Note: An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user 's utterance.
Define a set of intents that corresponds to actions users want to take in your application. Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent
Authentic AI-102 Dumps With 100% Passing Rate Practice Tests Dumps: https://www.vceprep.com/AI-102-latest-vce-prep.html]

This page was exported from - <u>Latest Exam Prep</u>