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Exam : AI-102

**Title : Designing and Implementing
a Microsoft Azure AI
Solution**

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Our AI-102 exam questions generally raised the standard of practice materials in the market with the spreading of higher standard of knowledge in this area. So your personal effort is brilliant but insufficient to pass the Designing and Implementing a Microsoft Azure AI Solution exam and our AI-102 test guide can facilitate the process smoothly & successfully. Our Designing and Implementing a Microsoft Azure AI Solution practice materials are successful by ensuring that what we delivered is valuable and in line with the syllabus of this exam. And our AI-102 Test Guide benefit exam candidates by improving their ability of coping the exam in two ways, first one is their basic knowledge of it.

To prepare for the Microsoft AI-102 certification exam, candidates should have a strong understanding of Azure services and technologies, as well as experience in developing AI solutions using Azure Cognitive Services, Azure Machine Learning, and other Azure AI services. They should also be familiar with data science workflows, machine learning algorithms, and deep learning techniques. Candidates can also benefit from taking Microsoft's AI-102 training course, which covers all the topics and skills required to pass the certification exam.

Microsoft AI-102 Certification Exam is an excellent opportunity for professionals looking to advance their careers in AI solution development and implementation. Designing and Implementing a Microsoft Azure AI Solution certification will validate their skills and knowledge, making them more valuable to organizations that are looking to leverage AI technologies to improve their business processes and gain a competitive edge in the market.

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Don't let the Designing and Implementing a Microsoft Azure AI Solution exam stress you out! Prepare with our AI-102 exam dumps and boost your confidence in the AI-102 exam. We guarantee your road toward success by helping you prepare for the AI-102 exam. Use the best Microsoft AI-102 practice questions to pass your AI-102 Exam with flying colors! In this way, the Designing and Implementing a Microsoft Azure AI Solution certified professionals can not only validate their skills and knowledge level but also put their careers on the right track. By doing this you can achieve your career objectives.

The AI-102 Certification Exam is designed for individuals who are responsible for designing and implementing AI solutions using Azure services. AI-102 exam covers a wide range of topics, including natural language processing, computer vision, machine learning, and data storage and processing. It also covers the tools and technologies used to develop and deploy AI solutions.

Microsoft Designing and Implementing a Microsoft Azure AI Solution Sample Questions (Q375-Q380):

NEW QUESTION # 375

You have an Azure Cognitive Search resource named Search 1 that is used by multiple apps. You need to secure Search 1. The solution must meet the following requirements:

- * Prevent access to Search1 from the internet.
- * Limit the access of each app to specific queries

What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct answer is worth one point.

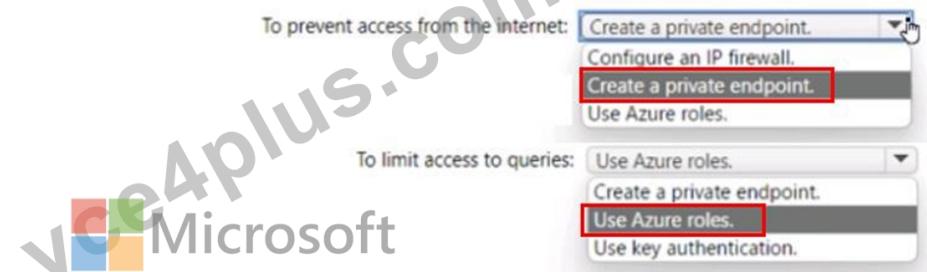
Answer Area



Answer:

Explanation:

Answer Area



NEW QUESTION # 376

You have an Azure AI Services resource named l1. It contains a Conversational Language Understanding model. You build and deploy an Azure bot named bot1 that uses l1.

You need to ensure that bot1 adheres to the Microsoft responsible AI principle of inclusiveness. How should you extend bot1?

- A. Implement authentication for bot1.
- B. Host l1 in a container.
- C. Enable active learning for l1.
- D. Add Direct Line Speech to bot1.

Answer: D

Explanation:

Inclusiveness: AI systems should empower everyone and engage people.

Direct Line Speech is a robust, end-to-end solution for creating a flexible, extensible voice assistant. It is powered by the Bot Framework and its Direct Line Speech channel, that is optimized for voice-in, voice-out interaction with bots.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/direct-line-speech>

NEW QUESTION # 377

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

You need to build the Adaptive Card for the chatbot.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
version": "1.3",
"body": [
  {
    "type": "TextBlock",
    "size": "Medium",
    "weight": "Bolder",
    "text": "${if(language == 'en', en.name,
      name
      name.en
      name[language])}"
  },
  {
    "type": "TextBlock",
    "$when": "${stockLevel != 'OK'}"
    "$when": "${stockLevel == 'OK'}"
    "$when": "${stockLevel.OK}"
    color : Attention
  },
  {
    "type": "Image",
    "url": "${image.uri}",
    "size": "Medium",
    "altText": "${image.altText.en
      image.altText.language
      image.altText["language"]
      image.altText[language]}"
  }
]
```

Answer:

Explanation:

Answer Area

```
version": "1.3",
"body": [
  {

    "type": "TextBlock",
    "size": "Medium",
    "weight": "Bolder",
    "text": "${

      if(language == 'en', 'en', name)
      name
      name.en
      name[language]
    }"
  },
  {
    "type": "TextBlock",
    "text": "$when": "${stockLevel != 'OK'}"
    "$when": "${stockLevel == 'OK'}"
    "$when": "${stockLevel.OK}"
  },
  {
    "type": "Image",
    "url": "${image.uri}",
    "size": "Medium",
    "altText": "${

      image.altText.en
      image.altText.language
      image.altText["language"]
      image.altText[language]
    }"
  }
]
```

Explanation:

```

version": "1.3",
"body": [
  {

    "type": "TextBlock",
    "size": "Medium",
    "weight": "Bolder",
    "text": "${

      if(language == 'en', 'en', name)
      name
      name.en
      name[language]
    }"
  },
  {
    "type": "TextBlock",
    "$when": "${stockLevel != 'OK'}"
    "$when": "${stockLevel == 'OK'}"
    "$when": "${stockLevel.OK}"
  }
  color : Attention
  },
  {
    "type": "Image",
    "url": "${image.uri}",
    "size": "Medium",
    "altText": "${

      image.altText.en
      image.altText.language
      image.altText["language"]
      image.altText[language]
    }"
  }
]
}

```

Box 1: name.en

Box 2: "\$when": "\${stockLevel != 'OK'}"

Product displays must include images and warnings when stock levels are low or out of stock.

Box 3:image.altText.en

Topic 2, Contoso, Ltd.Case Study

This is a case study Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs. When you are ready to answer a question, click the Question button to return to the question.

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

Name	Position	Office
Accountant	Manager	United Kingdom, France, Portugal
Accountant	Consultant	United Kingdom, France, Portugal
Customer Service	Manager	United 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-[Level]-[Role]
- * [Level]-[Role]

Intellectual Property

Contoso has the intellectual property shown in the following table.

Content	Format	Language	Content store	Domain
Weekly webinars	Video	English	Azure Blob storage	Vid.contoso.com
Blogs	Text	English, French, Portuguese	WordPress	Pt-blog.contoso.com Blog.contoso.com Fr-blog.contoso.com
Wikis	Text	English, 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.
- * AI solution responses must have a confidence score that is equal to or greater than 70 percent.
- * When the response confidence score of an AI 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 # 378

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

A form 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.

Actions	Answer Area
Train a custom model	
Label the sample documents	
Create a new project and load sample documents	
Create a composite model	

Answer:

Explanation:

Actions	Answer Area
Train a custom model	
Label the sample documents	
Create a new project and load sample documents	
Create a composite model	

Explanation:

Step 1: Create a new project and load sample documents

Create a new project. Projects store your configurations and settings.

Step 2: Label the sample documents

When you create or open a project, the main tag editor window opens.

Step 3: Train a custom model.

Finally, train a custom model.

Reference:

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

NEW QUESTION # 379

You are developing an internet-based training solution for remote learners.

Your company identifies that during the training, some learners leave their desk for long periods or become distracted.

You need to use a video and audio feed from each learner's computer to detect whether the learner is present and paying attention. The solution must minimize development effort and identify each learner.

Which Azure Cognitive Services service should you use for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From a learner's video feed, verify whether the learner is present:

Face
Speech
Text Analytics

From a learner's facial expression in the video feed, verify whether the learner is paying attention:

Face
Speech
Text Analytics

From a learner's audio feed, detect whether the learner is talking:

Face
Speech
Text Analytics



Answer:

Explanation:

From a learner's video feed, verify whether the learner is present:

Face
Speech
Text Analytics

From a learner's facial expression in the video feed, verify whether the learner is paying attention:

Face
Speech
Text Analytics

From a learner's audio feed, detect whether the learner is talking:

Face
Speech
Text Analytics

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/what-are-cognitive-services>

NEW QUESTION # 380

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