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## Microsoft Designing and Implementing a Microsoft Azure AI Solution Sample Questions (Q129-Q134):

### NEW QUESTION # 129

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

You use an object named UserProfile to store user profile information and an object named ConversationData to store information related to a conversation.

You create the following state accessors to store both objects in state.

```
var userStateAccessors = _userState.CreateProperty<UserProfile>(nameof(UserProfile)); var conversationStateAccessors = _conversationState.CreateProperty<ConversationData>(nameof(ConversationData));
```

The state storage mechanism is set to Memory Storage.

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
The code will create and maintain the UserProfile object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The code will create and maintain the ConversationData object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The UserProfile and ConversationData objects will persist when the Bot Framework runtime terminates.	<input type="radio"/>	<input type="radio"/>

**Answer:**

Explanation:

Statements	Yes	No
The code will create and maintain the UserProfile object in the underlying storage layer.	<input checked="" type="radio"/>	<input type="radio"/>
The code will create and maintain the ConversationData object in the underlying storage layer.	<input checked="" type="radio"/>	<input type="radio"/>
The UserProfile and ConversationData objects will persist when the Bot Framework runtime terminates.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation

Statements	Yes	No
The code will create and maintain the UserProfile object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The code will create and maintain the ConversationData object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The UserProfile and ConversationData objects will persist when the Bot Framework runtime terminates.	<input type="radio"/>	<input type="radio"/>

Box 1: Yes

You create property accessors using the CreateProperty method that provides a handle to the BotState object. Each state property accessor allows you to get or set the value of the associated state property.

Box 2: Yes

Box 3: No

Before you exit the turn handler, you use the state management objects' SaveChangesAsync() method to write all state changes back to storage.

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-v4-state>

### NEW QUESTION # 130

Select the answer that correctly completes the sentence.

Answer Area
<p>In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the _____ that hosts SQL Server.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>elastic pool</p> <p>MySQL server</p> <p>PostgreSQL server</p> <p>virtual machine</p> </div>

**Answer:**

Explanation:

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the



elastic pool  
MySQL server  
PostgreSQL server  
virtual machine

that hosts SQL Server.

Explanation:

Answer Area

In an infrastructure as a service (IaaS) instance of Microsoft SQL Server on Azure, you manage the

virtual machine

that hosts SQL Server.

### NEW QUESTION # 131

You have a chatbot that uses the Azure AI Language custom question answering service. The model used by the service was trained by using an internal support FAQ document.

You discover that the chatbot fails to provide correct answers to common questions.

You need to increase the accuracy of the responses provided by the chatbot. The solution must minimize development effort.

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

Actions

- Update the question and answer pairs.
- Review and accept the alternative phrases.
- Open the Edit knowledge base pane.
- Open the Review suggestions pane.
- Enable active learning.
- Retrain and republish the model.
- Modify the FAQ document, and then reload it.

Answer Area



Answer:

Explanation:

Actions

- Update the question and answer pairs.
- Review and accept the alternative phrases.
- Open the Edit knowledge base pane.
- Open the Review suggestions pane.
- Enable active learning.
- Retrain and republish the model.
- Modify the FAQ document, and then reload it.

Answer Area

- Enable active learning.
- Open the Review suggestions pane.
- Review and accept the alternative phrases.

### NEW QUESTION # 132

Hotspot Question

You develop an application that uses the Face API.

You need to add multiple images to a person group.

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



```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = $"/path/to/person/{i}/images";
    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        using ( 

|        |
|--------|
| ▼      |
| File   |
| Stream |
| Uri    |
| Url    |

 t = File.OpenRead(imagePath))

        {
            await faceClient.PersonGroupPerson. 

|                        |
|------------------------|
| ▼                      |
| AddFaceFromStreamAsync |
| AddFaceFromUrlAsync    |
| CreateAsync            |
| GetAsync               |



            (personGroupId, personId, t);
        }
    }
});
```

Answer:

Explanation:

## Answer Area

```
Parallel.For(0, PersonCount, async i =>
{
    Guid personId = persons[i].PersonId;
    string personImageDir = $"/path/to/person/{i}/images";
    foreach (string imagePath in Directory.GetFiles(personImageDir, "*.jpg"))
    {
        using ( 

|        |
|--------|
| ▼      |
| File   |
| Stream |
| Uri    |
| Url    |

 t = File.OpenRead(imagePath))

        {
            await faceClient.PersonGroupPerson. 

|                        |
|------------------------|
| ▼                      |
| AddFaceFromStreamAsync |
| AddFaceFromUrlAsync    |
| CreateAsync            |
| GetAsync               |



            (personGroupId, personId, t);
        }
    }
});
```

Explanation:

Box 1: Stream

The File.OpenRead(String) method opens an existing file for reading.

Example: Open the stream and read it back.

using (FileStream fs = File.OpenRead(path))

Box 2: AddFaceFromStreamAsync

Example:

File.OpenRead() returns a Stream object.

```
using (Stream stream = File.OpenRead(imagePath))
```

```
{  
    await faceClient.PersonGroupPerson.AddFaceFromStreamAsync(personGroupId, personId, stream);  
}
```

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/face/face-api-how-to-topics/how-to-add-faces>

### NEW QUESTION # 133

You build a QnA Maker resource to meet the chatbot requirements.

Which RBAC role should you assign to each group? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area	
Management-Accountants	<div><div>Owner</div><div>Contributor</div><div>Cognitive Services User</div><div>Cognitive Services QnA Maker Read</div><div>Cognitive Services QnA Maker Editor</div></div>
Consultant-Accountants	<div><div>Owner</div><div>Contributor</div><div>Cognitive Services User</div><div>Cognitive Services QnA Maker Read</div><div>Cognitive Services QnA Maker Editor</div></div>
Agent-CustomerServices	<div><div>Owner</div><div>Contributor</div><div>Cognitive Services User</div><div>Cognitive Services QnA Maker Read</div><div>Cognitive Services QnA Maker Editor</div></div>

Answer:

Explanation:



## Answer Area

Management-Accountants

Consultant-Accountants

Agent-CustomerServices

▼

Owner  
Contributor  
Cognitive Services User  
Cognitive Services QnA Maker Read  
Cognitive Services QnA Maker Editor

▼

Owner  
Contributor  
Cognitive Services User  
Cognitive Services QnA Maker Read  
Cognitive Services QnA Maker Editor

▼

Owner  
Contributor  
Cognitive Services User  
Cognitive Services QnA Maker Read  
Cognitive Services QnA Maker Editor

Explanation

Box 1: Cognitive Service User

Ensure that the members of a group named Management-Accountants can approve the FAQs.

Approve=publish.

Cognitive Service User (read/write/publish): API permissions: All access to Cognitive Services resource except for ability to:

1. Add new members to roles.
2. Create new resources.

Box 2: Cognitive Services QnA Maker Editor

Ensure that the members of a group named Consultant-Accountants can create and amend the FAQs.

QnA Maker Editor: API permissions:

1. Create KB API
2. Update KB API
3. Replace KB API
4. Replace Alterations
5. "Train API" [in new service model v5]

Box 3: Cognitive Services QnA Maker Read

Ensure that the members of a group named the Agent-CustomerServices can browse the FAQs.

QnA Maker Read: API Permissions:

1. Download KB API
2. List KBs for user API
3. Get Knowledge base details
4. Download Alterations

Generate Answer

Reference:

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

## NEW QUESTION # 134

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