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Microsoft AI-102 exam is designed for individuals who want to validate their expertise in designing and implementing Azure AI solutions. AI-102 exam measures the candidate's ability to use Azure services to build intelligent solutions that can analyze data, recognize speech, and interpret images. AI-102 exam is ideal for individuals who have experience in using Azure Machine Learning, Cognitive Services, and Bot Framework to build artificial intelligence solutions. Candidates who Pass AI-102 Exam demonstrate that they have the skills required to design and implement AI solutions that meet business needs.

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Exam Microsoft AI-102 Book - Examinations AI-102 Actual Questions

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Microsoft Designing and Implementing a Microsoft Azure AI Solution Sample Questions (Q250-Q255):

NEW QUESTION # 250

Hotspot Question

You have a custom analyzer named analyzer1 that performs the following functions:

- The transcription of video content
- The extraction of key frames from videos

You run the following command.

```
curl -i -X POST "https://contoso-ai.openai.azure.com/contentunderstanding/analyzers/analyzer1?api-version=2024-12-01-preview" \
-H "Ocp-Apim-Subscription-Key: 285d057e15e6419eaa5d175b9291ecc1" \
-H "Content-Type: application/json" \
-d '{"url":"'https://www.contoso.com/videos/video1.mp4'"}'
```

You receive the following output.

```
202 Accepted
Operation-Location: https://contoso-ai.openai.azure.com/contentunderstanding/analyzers/analyzer1/results/2cfffcb70f71e413eb2193f6653d8028d?api-version=2024-12-01-preview
```

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

Statements	Yes	No
analyzer1 is in a ready state.	☐	☐
analyzer1 finished analyzing the file.	☐	☐
The key frames of Video1.mp4 can be retrieved by using the data in the command and the output.	☐	☐

Answer:

Explanation:

Answer Area

Statements	Yes	No
analyzer1 is in a ready state.	☒	☐
analyzer1 finished analyzing the file.	☐	☒
The key frames of Video1.mp4 can be retrieved by using the data in the command and the output.	☒	☐

Explanation:

Box 1: Yes

A 202 response is not an error code, instead it means that your first POST API call was successful.

Box 2: No

This call returns HTTP 202 Accepted. That means, Document intelligence starts the processing of my uploaded document:

Box 3: Yes

Azure AI Content Understanding video solutions

The pre-built video analyzer outputs RAG-ready Markdown that includes:

* Transcript: Inline transcripts in standard WEBVTT format

* Description: Natural-language segment descriptions with visual and speech context Segmentation: Automatic scene segmentation breaking the video into logical chunks

*-> Key Frames: Ordered key-frame thumbnails enabling deeper analysis

Reference:

<https://developer.mozilla.org/en-US/docs/Web/HTTP/Status/202>

<https://github.com/MicrosoftDocs/azure-ai-docs/blob/main/articles/ai-services/content-understanding/video/overview.md>

NEW QUESTION # 251

You need to measure the public perception of your brand on social media messages. Which Azure Cognitive Services service should you use?

- A. Form Recognizer
- B. Computer Vision
- C. Text Analytics
- D. Content Moderator

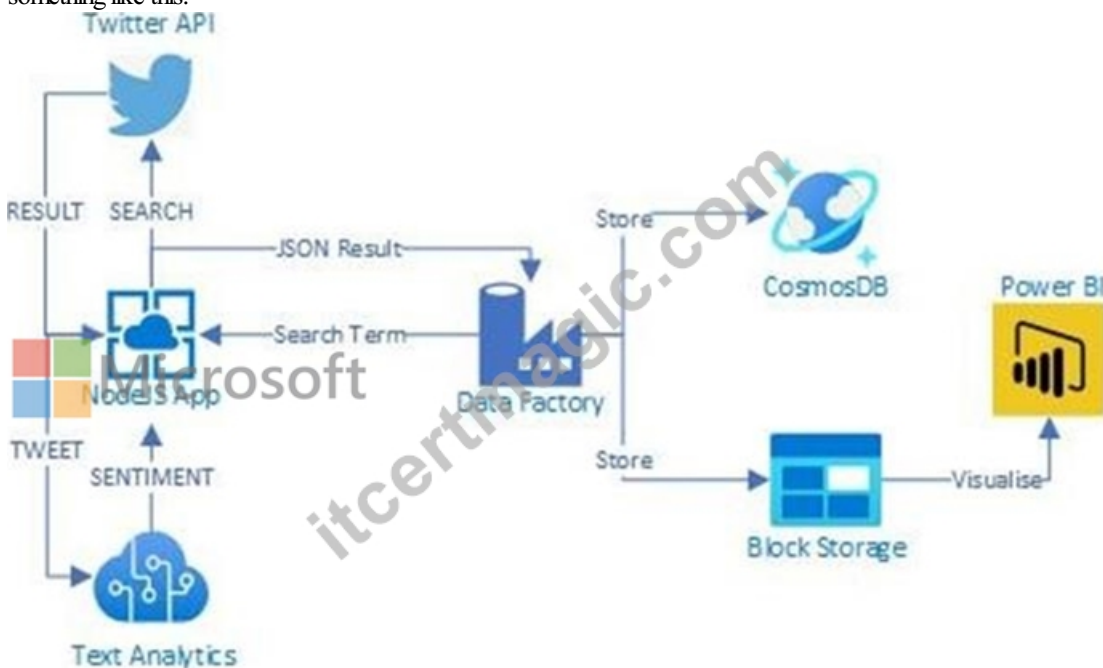
Answer: C

Explanation:

Explanation

Text Analytics Cognitive Service could be used to quickly determine the public perception for a specific topic, event or brand.

Example: A NodeJS app which pulls Tweets from Twitter using the Twitter API based on a specified search term. Then pass these onto Text Analytics for sentiment scoring before storing the data and building a visualisation in PowerBI. The Architecture looked something like this:



Reference:

<https://www.linkedin.com/pulse/measuring-public-perception-azure-cognitive-services-steve-dalai>

NEW QUESTION # 252

Drag and Drop Question

You are developing a webpage that will use the Video Indexer service to display videos of internal company meetings.

You embed the Player widget and the Cognitive Insights widget into the page.

You need to configure the widgets to meet the following requirements:

- Ensure that users can search for keywords.
- Display the names and faces of people in the video.
- Show captions in the video in English (United States).

How should you complete the URL for each widget? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values	Answer Area
en-US	 Cognitive Insights Widget https://www.videoindexer.ai/embed/insights/<accountId>/<videoId>/?widgets= Value controls= Value Player Widget https://www.videoindexer.ai/embed/player/<accountId>/<videoId>/? showcaptions= Value captions= Value
false	
people,keywords	
people,search	
search	
true	

Answer:

Explanation:

Values	Answer Area
	 Cognitive Insights Widget https://www.videoindexer.ai/embed/insights/<accountId>/<videoId>/?widgets= people,keywords controls= search Player Widget https://www.videoindexer.ai/embed/player/<accountId>/<videoId>/? showcaptions= true captions= en-US
false	
people,search	

Explanation:

<https://docs.microsoft.com/en-us/azure/azure-video-analyzer/video-analyzer-for-media-docs/video-indexer-embed-widgets>

NEW QUESTION # 253

You are building an app that will process incoming email and direct email messages to either French or English language support teams.

Which Azure Cognitive Services API should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area
https:// api.cognitive.microsofttranslator.com api.cognitive.microsofttranslator.com eastus.api.cognitive.microsoft.com portal.azure.com /text/analytics/v3.1/entities/recognition/general /text/analytics/v3.1/entities/recognition/general /text/analytics/v3.1/languages /translator/text/v3.0/translate?to=en /translator/text/v3.0/translate?to=fr 

Answer:

Explanation:

Answer Area
https:// api.cognitive.microsofttranslator.com api.cognitive.microsofttranslator.com eastus.api.cognitive.microsoft.com portal.azure.com /text/analytics/v3.1/entities/recognition/general /text/analytics/v3.1/entities/recognition/general /text/analytics/v3.1/languages /translator/text/v3.0/translate?to=en /translator/text/v3.0/translate?to=fr 

Explanation

Answer Area
https:// api.cognitive.microsofttranslator.com /text/analytics/v3.1/entities/recognition/general 

NEW QUESTION # 254

You need to develop code to upload images for the product creation project. The solution must meet the accessibility requirements. How should you complete the code? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);

    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]

    if(c.Confidence>0.5) return(c.Text);
}
```

Dictionary
stream
string

VisualFeatureTypes.Description
VisualFeatureTypes.ImageType
VisualFeatureTypes.Objects
VisualFeatureTypes.Tags

var c = results.Brands.DetectedBrands[0]
var c = results.Description.Captions[0]
var c = results.Metadata[0]
var c = results.Objects[0]

Answer:

Explanation:

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);

    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]

    if(c.Confidence>0.5) return(c.Text);
}
```

Dictionary
stream
string

VisualFeatureTypes.Description
VisualFeatureTypes.ImageType
VisualFeatureTypes.Objects
VisualFeatureTypes.Tags

var c = results.Brands.DetectedBrands[0]
var c = results.Description.Captions[0]
var c = results.Metadata[0]
var c = results.Objects[0]

Explanation:

ncon.edu.sa, academy.htbdigital.tech, Disposable vapes

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