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Microsoft AI-901 Exam Syllabus Topics:

Topic	Details
Topic 1	Identify AI concepts and capabilities: This domain covers the foundational knowledge of AI from ethical principles and responsible design to understanding how AI models work and what kinds of tasks they can perform. It also explores the full range of AI workloads including generative AI, computer vision, speech, and information extraction.
Topic 2	Implement AI solutions by using Microsoft Foundry: This domain is hands-on and focuses on building and deploying AI solutions using the Microsoft Foundry platform and its associated tools. It spans generative AI apps, text and speech processing, computer vision, and document intelligence all implemented through the Foundry portal and SDK.

>> Exam AI-901 Topics <<

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Microsoft Azure AI Fundamentals Sample Questions (Q80-Q85):

NEW QUESTION # 80

Hotspot Question

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
Voice Live returns only transcribed text.	☐	☐
Voice Live requires you to separately implement speech to text and text to speech services.	☐	☐
Voice Live combines speech to text, reasoning, and text to speech into a single conversational experience.	☐	☐

Answer:

Explanation:

Answer Area

Statements	Yes	No
Voice Live returns only transcribed text.	☐	☒
Voice Live requires you to separately implement speech to text and text to speech services.	☐	☒
Voice Live combines speech to text, reasoning, and text to speech into a single conversational experience.	☒	☐

NEW QUESTION # 81

You plan to develop an AI application that will read the license plates of motor vehicles by using Azure AI Foundry. What should you use to develop the application?

- **A. Azure AI Studio**
- B. Microsoft Visual Studio Code
- C. GitHub Actions
- D. Copilot for Microsoft 365

Answer: A

Explanation:

Azure AI Studio (now Azure AI Foundry) is used to develop an AI application for reading license plates using its tools and models. The platform allows developers to build, customize, and deploy AI agents and applications, including those that process images to extract information like license plate numbers.

Key components of the process

Platform: Azure AI Foundry (formerly Azure AI Studio) is the central platform for building and managing AI applications.

Tools: You can use its integrated development environment (IDE), SDKs, and APIs to develop and customize models.

Models: The platform provides access to a wide range of AI models, including computer vision models capable of optical character recognition (OCR), which can be used to read text from images.

Workflow:

Create an Azure AI Foundry project in Azure.

Use the model catalog to find and deploy a suitable computer vision or OCR model.

Integrate the model into your application using the SDK or API.

For a license plate application, you would feed images to the model, and the model would output the recognized text from the license plate.

Reference:

<https://azure.microsoft.com/en-us/products/ai-foundry>

NEW QUESTION # 82

You need to create an AI agent in Microsoft Foundry that follows a specific role and behavior when responding to users. What should you configure?

- **A. system instructions**
- B. max completion tokens
- C. temperature
- D. tokens per minute (TPM)

Answer: A

Explanation:

To create an AI agent that follows a specific role and behavior, you configure system instructions.

Microsoft Foundry Agent Service documentation states that agent instructions define goals, constraints, and behavior.

NEW QUESTION # 83

Verifying that machine learning models do NOT show racial or gender bias is an example of which Microsoft responsible AI principle?

- A. reliability
- B. fairness
- C. safety
- D. privacy and security

Answer: B

Explanation:

Fairness and inclusiveness in Azure Machine Learning: The fairness assessment component of the Responsible AI dashboard enables data scientists and developers to assess model fairness across sensitive groups defined in terms of gender, ethnicity, age, and other characteristics.

Reference:

<https://learn.microsoft.com/en-us/azure/machine-learning/concept-responsible-ai?view=azureml-api-2>

NEW QUESTION # 84

Hotspot Question

You are developing an application that converts text into spoken audio and saves the synthesized audio to a file by using Azure Speech in Foundry Tools.

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

NOTE: Each correct selection is worth one point.

Answer Area

```
import azure.cognitiveservices.speech as speechsdk
...
speech_config = speechsdk.SpeechConfig(subscription=key, region=region)
audio_config = speechsdk.audio.
```

AudioOutputConfig(filename="output.wav")

AudioOutputConfig(stream)

AudioStreamFormat(wave_stream_format=AudioStreamWaveFormat.PCM)

```
synthesizer = speechsdk.SpeechSynthesizer(
    speech_config=speech_config,
    audio_config=audio_config
)
...
```

 Microsoft

Answer:

Explanation:

Answer Area

```

import azure.cognitiveservices.speech as speechsdk
...
speech_config = speechsdk.SpeechConfig(subscription=key, region=region)
audio_config = speechsdk.audio.

```

AudioOutputConfig(filename="output.wav")

AudioOutputConfig(stream)

AudioStreamFormat(wave_stream_format=AudioStreamWaveFormat.PCM)

```

synthesizer = speechsdk.SpeechSynthesizer(
    speech_config=speech_config,
    audio_config=audio_config
)
...

```



NEW QUESTION # 85

.....

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