AI-900^{Q&As}

Microsoft Azure AI Fundamentals

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QUESTION 1

You need to develop a mobile app for employees to scan and store their expenses while travelling. Which type of computer vision should you use?

A. face detection

B. image classification

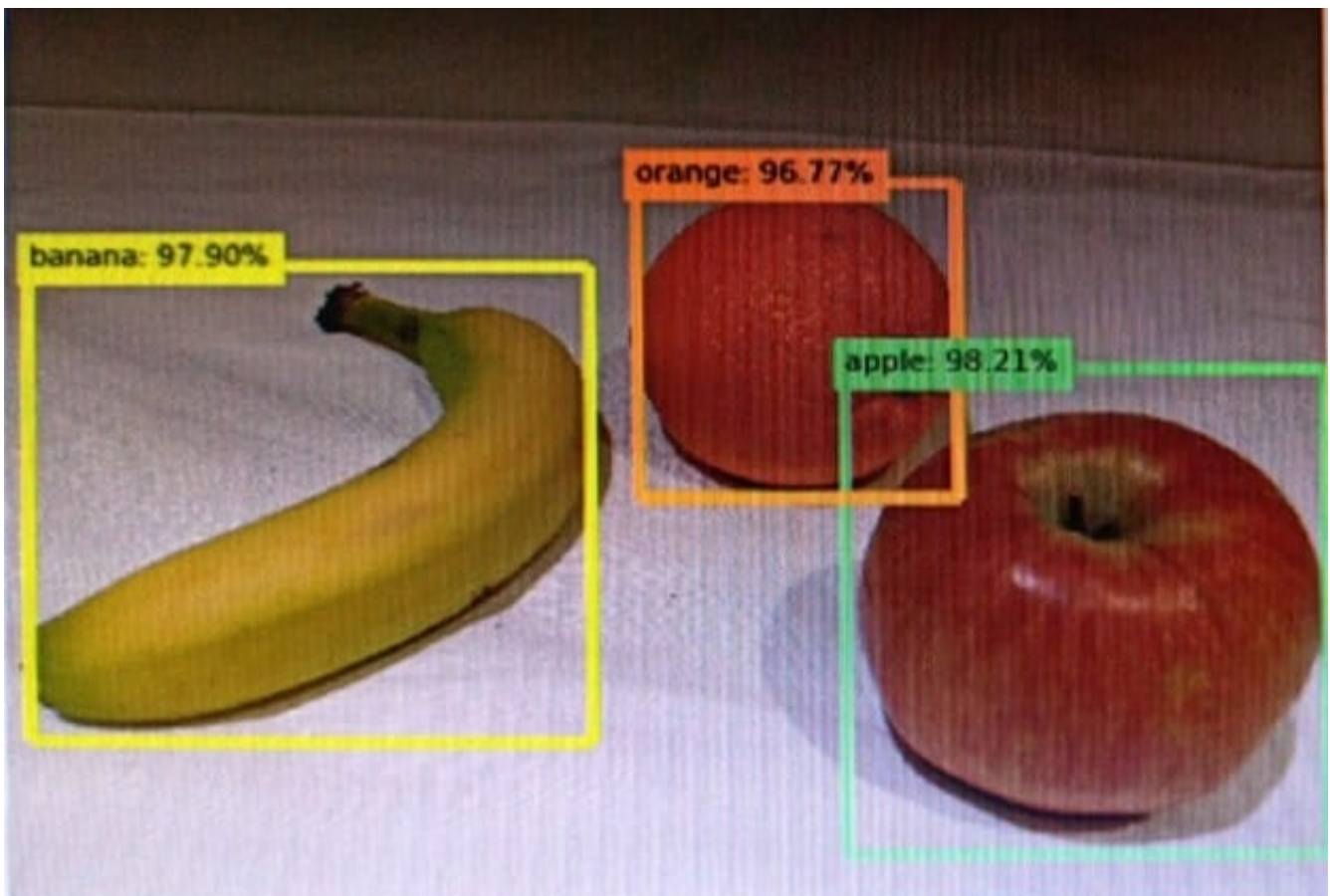C. object detection

D. optical character recognition (OCR)

Correct Answer: D

You can use OCR to Turn PDF and Image Files into Electronic Documents.

Reference: https://learn.microsoft.com/en-us/dynamics-nav-app/across-how-use-ocr-pdf-images-files

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QUESTION 2

You send an image to a Computer Vision API and receive back the annotated image shown in the exhibit.

Which type of computer vision was used?

A. object detection

B. semantic segmentation

C. optical character recognition (OCR)

D. image classification

Correct Answer: A

Object detection is similar to tagging, but the API returns the bounding box coordinates (in pixels) for each object found. For example, if an image contains a dog, cat and person, the Detect operation will list those objects together with their coordinates in the image. You can use this functionality to process the relationships between the objects in an image. It also lets you determine whether there are multiple instances of the same tag in an image.

The Detect API applies tags based on the objects or living things identified in the image. There is currently no formal relationship between the tagging taxonomy and the object detection taxonomy. At a conceptual level, the Detect API only finds objects and living things, while the Tag API can also include contextual terms like "indoor", which can\\'t be localized with bounding boxes.

Reference: https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-object-detection

QUESTION 3

Which Computer Vision feature can you use to generate automatic captions for digital photographs?

A. Recognize text.

B. Identify the areas of interest.

C. Detect objects.

D. Describe the images.

Correct Answer: D

Describe images with human-readable language

Computer Vision can analyze an image and generate a human-readable phrase that describes its contents. The algorithm returns several descriptions based on different visual features, and each description is given a confidence score. The

final output is a list of descriptions ordered from highest to lowest confidence.

The image description feature is part of the Analyze Image API.

Reference: https://docs.microsoft.com/en-us/azure/cognitive-services/computer-vision/concept-describing-images

QUESTION 4

You have a website that includes customer reviews.

You need to store the reviews in English and present the reviews to users in their respective language by recognizing

each user\'s geographical location.

Which type of natural language processing workload should you use?

A. key phrase extraction

B. speech recognition

C. language modeling

D. translation

Correct Answer: A

QUESTION 5

DRAG DROP Match the services to the appropriate descriptions. To answer, drag the appropriate service from the column on the left to its description on the right. Each service may be used once, more than once, or not at all. NOTE: Each correct match is worth one point

Select and Place:

Azure Storage	Enable the use of natural language to query a knowledge base.
Language Understanding(LUIS)	
QnA Maker	Enable the real-time transcription of speech-to-text.
Speech	

Correct Answer:

Azure Storage	Enable the use of natural language to query a knowledge base.
	QnA Maker
	Enable the real-time transcription of speech-to-text.
Speech	Language Understanding(LUIS)

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