1. Part 1 Exercise 1

A screenshot of a computer

Description automatically generated

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* Part 2:
  1. Invoke-WebRequest -Uri "https://arochford-fn.azurewebsites.net/api/HttpTrigger1?name=arochford" -method Post

A screen shot of a computer

Description automatically generated

1. Don Quixote by Pablo Picasso:
2. How did the vision service classify this painting?
   * 1. Poorly, it was 99 percent sure it was a painting but was more unsure that it was a Picasso.
3. Why do you think the vision service classified this painting in this way?
   * 1. Lack of color and lack obvious clues that it was a picasso
4. If the vision service didn't classify the painting correctly, what could you do to improve the service so it would classify it correctly?
   * 1. I googled the painting and Don Quixote was a sketch he made, so I believe giving the AI more sketches done by Picasso would help it identify his sketches and paintings

A screenshot of a computer screen

Description automatically generated

1. Lisa Simpson by a Reddit user: https://preview.redd.it/8mbkxz66mxj21.png?width=640&crop=smart&auto=webp&s=3a8e7f2c3786bc9e31e9c8eb8358b834d894786e
2. How did the vision service classify this painting?
   * 1. It was 53% sure it was a picasso
3. Why do you think the vision service classified this drawing in this way?
   * 1. I think that the colors and shaping were “similar” to that of a Picasso
4. If the vision service didn't classify the drawing correctly, what could you do to improve the service so it would classify it correctly?
   * 1. Train it with more Picassos as well as images of animated characters tagged as paintings.
5. Powershell Script:

$url = Read-Host "Enter the URL of the image"

$endpoint = "https://eastus.api.cognitive.microsoft.com/customvision/v3.0/Prediction/3b2b0650-d05d-4fb0-8176-bd7b664d6b6c/classify/iterations/Iteration2/url"

$apiKey = "46f88570928b401ca8e6da5bb7de596b"

$Body = "{`"url`": `"$url`"}"

$headers = @{

"Prediction-Key" = $apiKey

"Content-Type" = "application/json"}

$response = Invoke-RestMethod -Uri $endpoint -Method Post -Headers $headers -Body $Body

foreach ($prediction in $response.predictions) {

$Prob = $prediction.probability

$TID = $prediction.tagId

$TN = $prediction.tagName

Write-Output "`tProbability: $Prob `tTagID: $TID `tTagName: $TN"}

1. https://eastus.api.cognitive.microsoft.com/customvision/v3.0/Prediction/3b2b0650-d05d-4fb0-8176-bd7b664d6b6c/classify/iterations/Iteration2/url