SERVICE LAYER - IMAGES AND THUMBNAILS

Resource Deployment Logs:

```
C:\Users\Shris\PycharmProjects\thumbail_service\.venv\Scripts\python.exe -X pycache_prefix=C:\Users\Shris\AppData\Loca\JetBrains\PyCharmCE2024.3\cpython-cache "C:/Program File S3 bucket 'image-thumbnail-bucket-shri' created successfully.

Lambda Execution Role created successfully.

Lambda Function 'image-upload' created successfully.

Lambda function 'image-dumload' created successfully.

Deleted temporary zip file 'C:\Users\Shris\PycharmProjects\thumbail_service\lambda\lambda_upload.zip'.

Lambda function 'image-dumload' created successfully.

Deleted temporary zip file 'C:\Users\Shris\PycharmProjects\thumbail_service\lambda\lambda_upload.zip'.

Lambda function 'image-thumbnail-service\tambda\lambda_upload.download_image.zip'.

Lambda function 'image-thumbnail-service\tambda\lambda_generate_thumbnail.zip'.

Lambda function 'image-thumbnail-service\tambda\lambda_generate_thumbnail.zip'.

Lambda function 'image-thumbnail' created successfully.

Deleted temporary zip file 'C:\Users\Shris\PycharmProjects\thumbail_service\lambda\lambda_download_thumbnail.zip'.

Successfully created api gateway api_id:mxisug8boj.

API URLs and their purposes:

1. Upload Image: https://mxisug8boj.execute-api_us-east-i.amazonaws.com/dev/upload (POST) - Uploads an image to S3

2. Download Image: https://mxisug8boj.execute-api_us-east-i.amazonaws.com/dev/download-ftle_name} (GET) - Downloads a thumbnail of an image

Permission granted to API Gateway to invoke Lambda function 'image-tumbnail-/file_name} (GET) - Downloads a thumbnail of an image

Permission granted to API Gateway to invoke Lambda function 'image-tumbnail-generate'.

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Permission granted to API Gateway to invoke Lambda function
```

Upload:

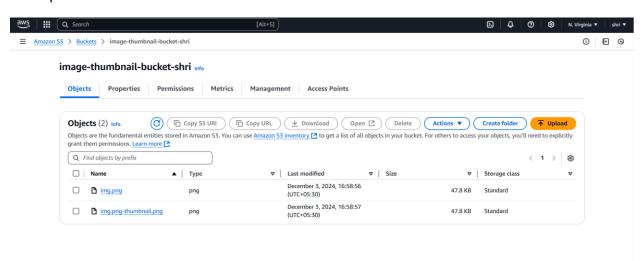
URL: /upload

1.Request

```
C:\Users\Shris\PycharmProjects\thumbail_service\.venv\Scripts\python.exe -X pycache_prefix=C:\Users\Shris\AppData\Local\JetBrains\PyCharmCE2024.3\cpython-cache 'Upload successful: {'message': 'File img.png uploaded successfully.', 'file_url': 'https://image-thumbnail-bucket-shri.s3.amazonaws.com/img.png'}

Process finished with exit code 0
```

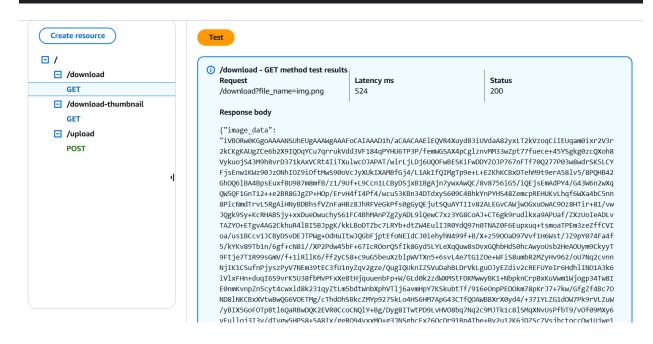
2.Output



download image

Output:

C:\Users\Shris\PycharmProjects\thumbail_service\.venv\Scripts\python.exe C:\Users\Shris\PycharmProjects\thumbail_service\tests\download_image.py File "img.png" downloaded successfully.



Download Thumbnail

