

Endpoints:

/images

- http GET request
- Used to retrieve images from AWS S3

Example successful request:

-No request body required-

Example successful response:

```
{
  StatusCode: 200,
  Body: {
    images: [
      "image": {
        AcceptRanges: "bytes",
        ContentLength: 3191,
        ContentType: "image/jpeg",
        ETag: "\"6805f2cfc46c0f04559748bb039d69ae\"",
        LastModified: <Date Representation>,
        Metadata: {
        },
        TagCount: 2,
        VersionId: "null"
      }
    ]
  }
}
```

Example failure response:

```
{
  StatusCode: 500,
  errors: {
    "message": "An error occurred"
  }
}
```

/upload

- http POST request
- Used to upload an image of art to AWS S3
- Used to save user-id and s3-image-tag to the 'images' collection of the database

Example successful request:

```
{
  "id": "example-cognito-user-id",
  "imageTag": "example-image-tag"
}
```

Example successful response:

```
{
  StatusCode: 200
}
```

Example failure request:

```
{
  "id": "example-cognito-user-id",
  "imageTag": ""
}
```

Example failure response:

```
{
  StatusCode: 400,
  errors: {
    "message": "Missing image tag"
  }
}
```

`/{"imageID"}/like`

- http POST request
- Used to increment the saved images Likes

Example successful request:

-No request body required as image ID is present in request URL-

Example successful response:

```
{  
  StatusCode: 200  
}
```

Example failure request:

Request URL: `"/"/like`

Example failure response:

```
{  
  StatusCode: 404,  
  errors: {  
    "message": "Image not found"  
  }  
}
```

/{imageID}/flag

- http POST request
- Used to increment the saved images Flags

Example successful request:

-No request body required as image ID is present in request URL-

Example successful response:

```
{  
  StatusCode: 200  
}
```

Example failure response:

```
{  
  StatusCode: 500,  
  errors: {  
    "message": "An error occurred"  
  }  
}
```

/{{imageID}}/purchase

- http PUT request
- Flags image as 'purchased' in the images collection
- Actual purchase will be completed through a third-party processor

Stretch feature

- Saves user-id, s3-image-tag, and the purchased date to the purchases collection

Example successful request:

-No request body required as image ID is present in request URL-

Example successful response:

(images from S3 that aren't flagged as purchased in the database)

```
{
  StatusCode: 200,
  Body: {
    images: [
      "image": {
        AcceptRanges: "bytes",
        ContentLength: 3191,
        ContentType: "image/jpeg",
        ETag: "\"6805f2cfc46c0f04559748bb039d69ae\"",
        LastModified: <Date Representation>,
        Metadata: {
        },
        TagCount: 2,
        VersionId: "null"
      }
    ]
  }
}
```

Example failure request:

Request URL: `"/"/purchase`

Example failure response:

```
{
  StatusCode: 404,
  errors: {
    "message": "Image not found"
  }
}
```

