

1. Upload API

- **Endpoint:** /upload
- **Method:** POST
- **Description:** Accepts a CSV file containing product information and image URLs, validates the formatting, and returns a unique request ID.

Request

- **Headers:**
 - Content-Type: multipart/form-data
- **Body:** Form-data
- **Key :** file
- **Type :** File
- **Description :** CSV file containing the product data

Response

- **Status:** 202 Accepted
- **Body:**

```
{  
  "requestId": "unique_request_id"  
}
```

2. Status API

- **Endpoint:** /status/:requestId
- **Method:** GET
- **Description:** Retrieves the processing status of the request associated with the provided requestId.

Request

- **Headers:**
 - Content-Type: application/json
- **Parameters:**
 - requestId (Path Parameter): The unique ID of the request.

Response

- **Status:** 200 OK

- **Body:**

```
{  
  "requestId": "unique_request_id",  
  "status": "PENDING" // Possible values: "PENDING", "PROCESSING", "COMPLETED", "FAILED"  
}
```

- **Error Response:**

- **Status:** 404 Not Found

- **Body:**

```
{  
  "error": "Request not found"  
}
```

3. Webhook API

- **Endpoint:** /webhook
- **Method:** POST
- **Description:** Receives notifications about the completion of image processing tasks and updates the status of the request in the system.

Request

- **Headers:**
 - Content-Type: application/json

- **Body:**

```
{  
  "requestId": "unique_request_id",  
  "status": "COMPLETED" // Possible values: "PENDING", "PROCESSING", "COMPLETED", "FAILED"  
}
```

Response

- **Status:** 200 OK
- **Body:**

```
{
```

```
"message": "Webhook received and processed"
```

```
}
```

- **Error Response:**

- **Status:** 400 Bad Request

- **Body:**

```
{
```

```
"error": "Invalid webhook payload"
```

```
}
```

- **Status:** 404 Not Found

- **Body:**

```
{
```

```
"error": "Request not found"
```

```
}
```

Conclusion :

- **Upload API:** For uploading CSV files and initiating processing.
- **Status API:** For checking the status of the processing request.
- **Webhook API:** For receiving status updates via webhooks.