The system maintains two primary collections to manage image processing requests and their associated image data:

- Requests Collection – Keeps track of each image processing request and its current state.
- Images Collection – Stores details of images, including their input and processed output URLs.

Requests Collection
Collection Name: Request
Fields:
- requested (String, Required, Unique, Default: UUID) – A unique identifier assigned to each request.
- status (String, Enum, Default: PENDING) – Indicates the current processing status of the request. Possible values include:
  * PENDING – The request has been newly created and is awaiting processing.
  * PROCESSING – The request is currently being handled.
  * COMPLETED – The request has been successfully processed.
  * FAILED – The request could not be processed due to an error.

createdAt (Date, Default: Current Timestamp) – The date and time when the request was initially recorded.
Images Collection
Collection Name: Image

Fields:
requested (String, Required) – A reference to the unique identifier of the request associated with the image.

serialNumber (Number, Required) – A sequential number assigned to each image within a request.

productName (String, Required) – The name of the product linked to the image.

inputUrl (String, Required) – The URL where the original image is stored.

outputUrl (String, Optional) – The URL where the processed image is stored after transformation.

status (String, Default: PENDING) – Represents the current state of image processing.

createdAt (Date, Default: Current Timestamp) – The timestamp when the image record was created.

updatedAt (Date, Default: Current Timestamp) – The timestamp that reflects the most recent update to the image record.