Worker Script

File: `workers/processImages.js`

Function: `startProcessing`

Description: This function is responsible for processing pending image processing requests.

Steps:

1. **Connect to MongoDB**: Establish a connection to the MongoDB database using the connection string from the configuration.
2. **Fetch Pending Requests**: Retrieve all requests with the status `PENDING` from the `Request` collection.
3. **Process Each Request**:
    - For each pending request, update its status to `PROCESSING`.
    - Call the `processImages` function from the `imageProcessor` service to process the images associated with the request.

Service: `processImages`

File: `services/imageProcessor.js`

Description: This function handles the actual image processing.

Steps:

1. **Fetch Products**: Retrieve all products associated with the given request ID from the `Product` collection.
2. **Process Each Image**:
    - For each product, process each input image URL by downloading, compressing, and generating a new output URL.
    - Update the product document with the new output image URLs.
3. **Update Request Status**: Once all images are processed, update the request status to `COMPLETED` or `FAILED` and send a notification to the webhook URL.