GLOBANT STATEMENT OF WORK

NATURE OF PROJECT:	Code Challenge
PROJECT REFERENCE NAME:	Backend Microservice Code Challenge Image Processing Service

Section 1.

Description of Services to be completed by Globant (the "Services"):

1. Project Vision:
    The Client wants Gobant to develop a microservice for an Image Processing Service.

    The project should be completed in several stages:

    ● **Stage 1** Will create one microservice called **Image Processing Service**, with the following endpoints:

        ○ **Process Image Request**
        This endpoint will receive as input parameters:
        - Image (file) max of 150kb
        - Image Title (string)
        - Image description (string)
        - Globant Emails (list of strings)
        - Target folder name (string)
        And will return synchronously a RequestId (guid).

        ○ **Process Image Request Status**
        This endpoint will receive as input parameter a RequestId (guid) and will return a status (string) that can be:
        - InProgress: a request has been received but the full process (stage 2 and 3 has not been completed)
        - Completed: the process defined in stage 2 and 3 has been completed successfully.
        - Failed: some kind of error or exception has occurred

        ○ **Search Process Image Requests**

        This endpoint will receive as input parameters:
        - Begin Date (date time)
        - End Date (date time)
        And will return a list of all the Process Image Request received during that datetime range, including: its status, date time of when the processing started

and date time of when the processing ended (either as completed or failed).

- **Stage 2** When receiving a new image to be processed (**Process Image Request**) this image needs to be uploaded to a Google Drive, the exact target folder is part of the input parameters of request

  Define a folder in your Google Drive (choose one per team/project) example:

  My Drive > GlobantBEChallenge ▾

  Create a folder with the *Target folder name* and upload the image to that path.

  In case there is already a with the same *Target folder name* propose and implement a solution.

  Google Drive API Documentation:
  https://developers.google.com/drive/api/guides/about-sdk

- **Stage 3** After the Image has been uploaded to the correct folder in the Google Drive, share the image with the *Globant Emails* that are also part of the input parameters of the **Process Image Request.**

Section 2.
Other Notes and Considerations:

- Use a personal (@globant.com) account per team to to connect to Google Drive
- Best Practices matters
- Unit test coverage of at least 75% is expected
- Logging is a nice to have
- Google Drive Api uses oAuth, in case a token or credentials needs to be stored or send in the request discuss the best solution taking into account security
- The DB used for the microservices will be PostgreSQL|Mysql
- Code should be continuously uploaded to globant's github, a list of users will be provided to be added as collaborators to the repo.
- Code should be committed via PR
- Validate input parameters of all requests
- Exception handling is excepted

Section 3.
Documentation

Expected documentation should be in english and will include:
- API requests and responses. This can be simple but should be clear in how to call the endpoints and what to expect as responses.
- Instructions on how to pull the code from github, compile, run the solution and post a request. These instructions are targeted to technical people but not necessarily java developers, it can be QC, PM, front end developers, etc, so instructions need to be clear and prerequisites on what needs to be installed in order for the solution to run needs to be included.

Extra documentation (nice to have):
- Architecture Diagrams