



Scenario: You are tasked with implementing an image data processing service. The processing service MUST expose a REST that takes an input image, the processing service should return the average intensity of that image.

Submission: Please implement the task below using GitHub or GitLab repo and submit the link or send a .zip file to your recruiter Emily at ecourtright@vulcanforms.com. If wanting to use private GitHub repo you can share with Dayu (hiring manager) at dhuang-vf and Patrick Aselin (interviewer) at paselin-vf. If you share a private github link, please notify Yan (ychen@vulcanforms.com) to ensure the team is notified of its submission.

Task: We do not expect you to spend more than 45-60 minutes on this task. Please implement the following:

1. A microservice implemented in Python and exposes a REST API. The microservice takes an image as input and returns the average intensity of the image. You only need to support one of the image formats such as PNG, JPEG.
2. Dockerfile to containerize the service.
3. Unit test(s) for the microservice.