**Mercadoni - Backend Challenge!!**

**Time**

This challenge was designed to be executed in: ​2 hrs.

The candidate can take more than that, but it is not the intention of the test.

**Description**

Functional requirements

Please make a backend system that does the following:

1. Download an image from a given public URL: <http://24.media.tumblr.com/tumblr_lfp3qax6Lm1qfmtrbo1_1280.jpg>

2. Segment the image to obtain the expected result. See: ​./out.jpg

3. Offer an HTTP endpoint to perform a GET request:

i. The GET request should not get any params.

ii. The GET request should return the segmented image.

iii. The segmented image should be displayed in the browser, it should not be downloaded.

Image segmentation explanation What is image segmentation?

​<https://en.wikipedia.org/wiki/Image_segmentation>

**Important**

You will be given a file named: ​mask.png​, ​we strongly suggest you to use it to generate the output image, it can save you a lot of time​. However it is your choice and you are free to use any segmentation method you like.

**Deliverables**

When you finish the challenge please send us the following information:

1. The link of the git repository you used to develop your project.

**Evaluation criteria**

1. Your project has a README.md file that explains:

i. How to install your project.

ii. How to use your project.

2. Your project has an image-segmentation.md file that explains:

i. The basic steps of the algorithm you used to perform the image segmentation.

3. All functional requirements are working.

Questions If you have any questions feel free to contact us!