# Python Code Challenge

## Option 1: Image Hosting

Using you favorite python web framework, create a simple image hosting application.

Requirements:
- Home page should display latest uploaded **public** images
- You should be able to upload an image and retrieve a unique share link
- When uploading an image, there should be an option to make it **private**(so that it doesn't appear on the homepage)
- A special endpoint /image/<width>/<height>/(for ex. *http://example.com/image/800/600/*) that returns a **public** image with the given dimensions.
  - If there isn't an image with the exact dimensions, the endpoint should return a resized, randomly selected image, that has the closest dimensions,
  - The same url should always return the same image,
  - Valid parameters are: width>=0 and height>=0.

Notes:
- Pillow is a great image processing library: https://pillow.readthedocs.io/en/5.0.0/
- The frontend design style doesn't matter(it could be plain minimalistic HTML)

## Option 2(the more challenging one): REST Admin Panel

Using Django and Django Rest Framework, create your own(inspired by Django's admin panel), easy integratable library for creating dynamic RESTfull admin panel(s).

Requirements:
- Simple installation(preferably `pip install -e git+`, but not required) and integration(short README with an example usage is enough),
- Easy and intuitive interface(the less boilerplate, the better),
- Ability to create multiple admin panels(for ex. `/admin-staff/` and `/admin-super/`),
- While registering models, you should be able to select which fields should be exposed,
- Your solution should be flexible and account for possible edge cases(for ex. custom queryset, based on currently authenticated user).

If any of the above are unclear, please message us!