Hello,

This is a greeting from AppMan's Machine Learning Team :D

Thank you for interesting in joining our team. In order to make sure that you will be enjoying while working with the future challenges and this job would be the right one for you, let's do an exercise :D

Before you begin:

1. Please submit your code and any related files you used for running source code within 1 week since you received the file or earlier.
2. Please code on Jupyter notebook and submit file .ipynb to us.
3. Please write required libraries in requirements.txt and submit to us so that we will be able to run your code smoothly.
4. Do not hesitate to google anything you need for completing the exercise.
5. If you have any questions, please let us know.

========== Exercise ==========

Scenario:

You want to synthesise document images and you want to make it real as much as you can, but in reality, real world images are so different, they don't look the same because of noises like lighting, distortion, rotation and so on. Well... the time is limited, there is 1 week to submit work, so you decided to go with your best idea and performance.

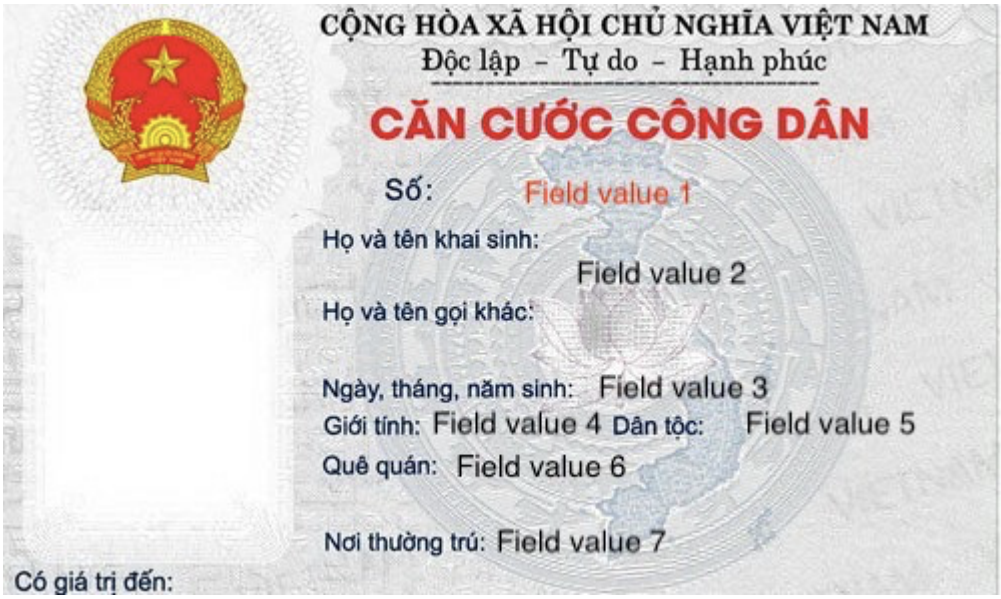
1. Please code in Python version 3.8 to generate similar image as the given image (see below).
2. There are 7 fields marked as Field 1, Field 2, ..., Field 7 that we are expecting to see them generated from dynamic input data.
3. You may crawl/gather data from any resources then keep it in .csv files but please do not forget to send to us.
4. The result is not necessary to be exactly the same as the example but please try your best :D
5. Source code comment is preferable so that we can understand your idea better.

Guidance from us

1. We use Python libraries such as PIL, Pillow, OpenCV to work with image. Ex. drawing, image pasting from one on another, reading, saving image etc.
2. ImageFont module from PIL is an easy function that helps to intialise font object.

3. You may download Vietnamese font in different style from the given images. Please do not forget to submit the font file as well.

We are looking forward to seeing your amazing synthesized images :D



Please begin your source code here

```
1 # code here
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