Week #5

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Overview

Using knowledge gather from previous week, complete the following.

Task 1

Using Yolov8, label internal (> 500 image) cheque dataset using appropriate tool. Dataset must be label using two format which is:

- Yolo format
- Pascal VOC format (to be use for other detection algorithm)

Please complete the labeling before or by Friday, *4th August 2023*.

Task 2

Help to train Yolov8 for following class (please confirm with Mark/Afif on the additional class):

- signature
- micr number
- date
- payee name

  Note 1: Please use 70%-20%-10% (train-validation-test) ratio for dataset splitting.

  Note 2: train the detector in incremental "number of image per class" so that we can know "how many images per class needed" to get $> 80\%$ detection accuracy

Please complete the training before or by Friday, *25th August 2023*.

Task 3

Evaluate the model performance using test data and try to get $> 80\%$ detection accuracy.

  Note: Make sure use *GPU* for training (refer my attach notebook for reference)

Task 4

Update your Github repository and make sure all *jupyter notebook* have the following:

- update readme.md
- markdown header (title, date)
- markdown notes (short write-up about your notebook)
- proper code comment
- markdown summary (summary of your task (whether finish or not))

Please complete the repo update before or by Friday, *18th August 2023*.

Task 5

- Prepare presentation for 22/8/23
- Tentative mock-up presentation:
    - Friday: 11/8/23
    - Friday: 18/8/23