**PE02: Programming Exercise**

**Instruction**

**Resource:**

Docker, (n.d), Docker documentation, <https://docs.docker.com/get-started/>

Your task for this Programming Exercise is to achieve a similar behavior as HOS02A but with a different model in train.py, load the model to the container, and show the result.

1. Follow HOS02A tasks.

1. Modify the model either with a classifier or model framework, train a new model, and have it loaded through the Docker Flask service. You can change any part of the HOS02A code. For example, change “requirements.txt” to install a different ML framework.

**Submit the items below to the PE submission page:**

1. The GitHub link of your FastAPI server script commits.
2. Provide a 20 to 50 words analysis or thoughts for setting up a local web application backend with the screenshot after completing task step 2.
3. Make sure the PE module number and your name are written on the file name (e.g., "*PE01\_YourName.docx").*