**Quickstart: running the app**

* We have created a house price prediction app (that runs in a Docker container) that can return the predicted price of a house/unit/apartment based on input data (building type, number of bathrooms etc...) sent via a POST request
* Setup steps:
  + Open Docker Desktop
  + Open PowerShell and cd to the folder containing all your code (i.e. '' \my\_folder\melbourne-property-price-ml-model-2024”)
  + Type 'docker build -t flask-house-prices-app .' to build your Docker image
  + Type 'docker run -p 5000:5000 flask-house-prices-app' to run your Docker container
  + Wait for the setup to be completed
* Open the ‘Testing-app-script.py’ file in VSCode and run the script
* Change the input values to observe how the price predictions change
* Alternatively, if you want to use CURL in Windows for sending the POST requests, open cmd and type: curl -X POST http://localhost:5000/predict -H "Content-Type: application/json" -d "{\"building\_type\": \"Unit\", \"rooms\": 3, \"showers\": 2, \"cars\": 1, \"size\_clean\": 120}". Important note: You have to escape all the double quotes in your request for Windows to understand the curl command

**Testing with Pytest**

* To run tests, open VSCode and cd to the folder containing the code (i.e. '' \my\_folder\melbourne-property-price-ml-model-2024”) in the terminal
* Then type ‘pytest’