Instructor Lab Notes

# **Introduction**

# The notes herein are associated with the exercises assigned to the DDATMSE course. The exercises are indicated in the course notes and are located in a remote repository, details of which can be located here. There is a link on all the machines for synchronising the remote repository with the local machines.

NOTE: Synchronisation SHOULD be done by the instructor on the instructor machine at course start. It is up to the instructor if they want to tell the students to do the same thing however, doing so will bring the solutions onto their machines as well. A recommendation is to follow the process for setting up the local repository pushing the exercises to that and releasing the solutions as and when needed.

The exercises are written in Python, the labs though are provisioned for multiple development environments.

# **Exercise Instructions**

The exercises are grouped into two main areas, the first is to practice some of the common design patterns, and the second is to implement clean maintainable code.

Each exercise has a worksheet and some documentation on the code needed to engage with the requirement.

Included in the repository pull are instructions for the setting up of a local git repository. This should be done by the instructor. All delegates will need to create a username for themselves before pushing, by git documentation, there is no requirement to use a real email address for this purpose and they can make one up for posting to the internal repository.

Each delegate should make a folder for their work on the repository shared by the instructor to hold the results of any code they develop.

The remote repository is available at:

https://github.com/phil-qa/ddat

There is a key for pushing this that should only be done by the instructor and nobody else:

github\_pat\_11AY5FL6A0PWJ87Vf1EHM0\_56kCluky8rBZMnVr9d6dsdQFYVyRqQUzvYKflSAHBExOULME3V3Q0cHe14Q

To implement any push changes please use your QA email address when doing so, apply the key as the password in the git password.

# Final Exercise

Given the broad nature of the delegates attending the course, there will be a separately documented final exercise that may be implemented or not, depending on how competent the delegates were in delivery.