Date set: 1st November, 2021
Hand-in date: **11:59am 10th December, 2021**

This continuous assessment (CA) comprises 100% of the module assessment.

Note that electronic submission is required through eBart.

This CA is designed to test the programming concepts that we will cover in the entire module. This assignment will require the application of fundamental programming constructs, control flow, data structures and design patterns to develop and deliver a Python application to solve a real-world problem. Note that some of the content is only taught within 2 weeks of the deadline, however, this should not stop you making a start and implementing a lot of the functionality well in advance of the deadline.

Specification

Since the outbreak of COVID-19 the day-to-day routine for many people has been disrupted and keeping up-to-date with the local and national infection rates and news on government guidelines has become a daily challenge.

In this assignment you will implement a simple personalised covid dashboard. Dashboards are automated systems that help visualise input data streams. Your dashboard application will coordinate information about the COVID infection rates from the Public Health England API and news stories about Covid from a given news API.

The implementation of an automated data dashboard is not like a typical Python script. The dashboard will need to run continuously and respond to events. These events can either be scheduled by the developer or triggered by user inputs and require an event-driven software architecture. Your personalised dashboard must use (and not edit) the provided front end web template for the user interface and you will implement the dashboard application backend in Python following the guidance below.