Candidate number: **CANDIDATENUM**

Summary

Mark /45	Total %
TOTALMARK	PERCENTMARK

Feedback
FEEDBACKTEXT

Mark breakdown: COVID daily briefing app

Alarms and notifications	S1	**/10**
Smart-ness	S2	**/10**
Project delivery	S3	**/25**
Total	TM	**/45**

Marking criteria: CA3

- **Alarms and notifications** [10 marks]

  5 marks for functionality. Functionality marks accumilate and will be checked by running the code:

  - Is there a functional way to schedule and cancel an 'briefings' to provide an announcement update - 3 marks
  - Is there a notifications data structure where notable events are stored and can be dismissed and removed from the data structure - 2 marks

  Up to 5 marks for style. Style marks are assigned individually and checked by pylint and manually checking the source code against the criteria listed below. Full marks can't be achieved for style unless the complete functionality is present.

  - 1 mark for layout including consistent indentation, line length, etc.
  - 1 mark for effective identifier naming, apopriate variable scoping and appropriate loop nesting.
  - 1 mark for type hinting and using default values where apropriate.
  - 2 marks for doc strings and use of commenting.

- **Smart-ness** [10 marks]

  - Does the system integrate and filter relevant news and weather information? - 2 marks
  - Is the Public Health England COVID-19 data effectively integrated and processed in the breifing and notifications, including detecting any notable changes in the data such as breaking a classification thresholds - 2 marks
  - Is the information accessed, stored and updated at sensible times and intervals - 1 mark

  Up to 5 marks for style. Style marks are assigned individually and checked by pylint and manually checking the source code against the criteria listed below. Full marks can't be achieved for style unless the complete functionality is present.

  - 1 mark for layout including consistent indentation, line length, etc.
  - 1 mark for effective identifier naming, apopriate variable scoping and appropriate loop nesting.
  - 1 mark for type hinting and using default values where apropriate.
  - 2 marks for doc strings and use of commenting.

- **Project delivery** [25 marks]

  - interface - Do not modify the html template except injecting html from Python
    * Does the interface start make appropriate use of user inputs - 2 marks
    * Does the user interface display alarms and notifications - 2 marks
    * Does the announcement contain a reasonable amount of information - 1 mark
  - Config file
    * Is there a persistent config file - 2 marks

* Is the config file well structured - 1 mark
* Does the config file contain all relevant information - everything that could be used to customise the app for redeployment - 2 marks

– Logging

* Does the app maintain a log of events and/or errors - 1 marks
* Is the event log well structured and used throughout - 2 marks
* Is the error log stratified into classifications and used throughout - 2 mark

– Testing

* Does the app have any demonstration functions with expected behaviour - 1 marks
* Does the app test functionality in unit tests - 2 marks
* Does the app test external services - 2 mark

– Deployment and documentation

* Is there detailed README documentation - 2 marks
* Is there a license, author and metadata listed in the documentation - 2 marks
* Is the code hosted or published with a handle in the documentation - 1 mark