**AN6100 PROGRAMMING ESSENTIALS**

**Web Assignment Part 2/2**

Due: Please refer to NTULearn

## Worth: 5% to AN6100 final score.

Note: This assignment is an INDIVIDUAL assignment

Submission instructions: You should submit only 1 W2\_[Group][Index\_Name].py via the NTU-learn blackboard site. [Group] is either A or B.

Late penalty mark is computed based on 1% (out of the 5%) every day after the submission due date. The submission score will be converted to 5%, then minus penalty marks, if appliable. The lower bound of the score is 0%.

Please ensure that you include your name and index number in the .py file. You must keep a copy of the final version of your submission and be prepared to provide it on request.

The University treats plagiarism, collusion, theft of other students’ work and other forms of dishonesty in assessment seriously. Students shared out their answers or copied answers from others shall receive a zero score.

You are given the following API document to implement a back-end flask server application.

You are required to also design a simple ‘database’ (in any of the following form like json, csv, txt, sqlite or mysql etc) that will record all products. The 2 fields required are id and name.

|  |  |
| --- | --- |
| Route | Description |
| / | Return your class group, index number and name |
| /a/products/all | Display all the products present in the database |
| /a/product?id=value | Search for products on the basis of ‘id’ and return the product name |
| /a/product/add?id=value1&name=value2 | Add a new product to your database with id as value1 and name of product as value2 |