

**SCHOOL OF INFORMATICS & IT**

**Part 2: Microservices Implementation**

Student Name (Matric Number) :

Tutorial Group :

Jenny LING (TP)

Tutor :

Submission Date :

**Declaration of Originality**

I am the originator of this work and I have appropriately acknowledged all other original sources used as my references for this work.

I understand that Plagiarism is the act of taking and using the whole or any part of another person’s work, including work generated by AI, and presenting it as my own.

I understand that Plagiarism is an academic offence

and if I am found to have committed or abetted the offence of plagiarism in relation to this submitted work, disciplinary action will be enforced.

**Declaration on the use of Generative AI tools for assignments**

|  |
| --- |
| Describe how you have used Generative AI tools such as ChatGPT or Dall.E-2 in your assignment.  Show snapshots of the conversations with the AI tool (i.e., the prompts you used and the response you get from the AI tool). |
|  |
| How do you indicate the reference?  The content generated by AI tools are not retrievable except by the user who generated them, so they are considered non-recoverable sources. Although non-recoverable data or quotations in APA Style papers are usually cited as personal communications, with ChatGPT-generated text there is no person communicating. Quoting text from ChatGPT chat is therefore more like sharing the output of an algorithm, with a reference list entry and the corresponding in-text citation.  According to the official APA Style site, ChatGPT references should be cited as:  E.g. OpenAI. (2023). *ChatGPT* (Sep 25 version) [Large language model].  <https://chat.openai.com/chat> |

**Important Note:**

* Do not copy answers produced by the AI tool in totality as it is considered as plagiarism.
* Do not rely on any information produced by the AI tool blindly. You should always verify the answer with other sources. Do not assume that these answers provided by the AI tool are correct.

To achieve quality outputs from the AI tool, you should provide good prompt that is clear and specific. Be precise and provide context. Avoid asking open-ended questions.

**Temasek Polytechnic School of Informatics & IT**

**Diploma in Information Technology**

**Cloud Application Development (CIT2C24)**

**Microservices Implementation**

|  |  |
| --- | --- |
| Practical Class: | PXX |
| Submitted by: (list all students) | <Name> / <Admin number> |
| Date: | dd / mmm / yyyy |

# API Documentation

Copy and paste the API documentation from Part 1 Proposal and amend if necessary. Include the payload for requests, if any. The HTTP message payload refers to the body data that is sent in the HTTP request.

Example:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Service Name** | **HTTP method** | **Relative URI** | **Action** | **Payload** |
| ProductService | GET | /api/products | Get all products. | Nil |
| ProductService | POST | /api/products | Create a new product. | {  "name": "iPhone",  "brand": "Apple",  "description": "The new iPhone 14 doesn't seem very new at first glance. The design is pretty much identical to the iPhone 13, including the notch, and the chip is last year’s A15 Bionic"  } |
| CustomerService | GET | /api/customers | Get all customers. | Nil |
| CustomerService | GET | /api/customers/{id} | Get a customer by ID. | Nil |
| …. |  |  |  |  |

# Please also include the following in your zipped file (refer to LMS for instructions)

* AWS Lambda functions
* JSON exports of your API routes
* Database exports

# Others

* Reasons why you choose to deviate from proposed Microservices Architecture from Proposal