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| **Module Title** | Advanced Programming |
| **Module Code** | KF7014 |
| **Academic Year / Semester** | 2024-25 / Semester 1 |
| **Module Leader** | Dr Maria Salama |

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| **ASSESSMENT – Development of microservices-based application** | |
| **Individual Component** | |
| **Student Name** | First name Last name |
| **Student ID** | w123456 |
| **Programme** | MSc |

\* Complete your details in the cover page and delete this line.

**Words count: \_\_\_\_\_**

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# Introduction

(~ 100 words) provide a brief overview of the work that has been done, and the document contents that will be presented next to prepare the reader for the following sections.

# Architecture diagram

provide a diagram of the architecture of the developed solution, clarifying the communication between different microservices.

# Database Schema

provide the schema for the databases used by the developed solution, in the form of clear diagrams, including tables, fields, and relationships.

# Class diagram

provide the design of the classes implemented in the developed solution, in the form of clear diagrams, including classes, interfaces, properties and functions.

# APIs documentation

list all APIs endpoints and their associated HTTP methods, e.g., GET, POST, PUT, DELETE, their Request and Response, and returned error codes. You can use screenshots of Postman.

# Critical evaluation

(~ 500 words) critically evaluate your product’s inception to completion, i.e. what have been done well, what could have been done better and how.

# References

include references to relevant external documentation or resources.