**SOFT8023 – Distributed Systems Programming**

**Assignment 2 Option B Form**

**Instructions**

Please complete the following form and include in the zip file you submit. Include screenshots / images either where indicated or in an appendix at the bottom.

|  |  |  |  |
| --- | --- | --- | --- |
| **Sockets (Part 1)** |  | | |
| **Checklist** |  | | |
| Does the server receive a module id and verify it is valid? | Yes | | |
| Can the server receive and process listing requests requests (e.g. list learning outcomes, programmes and assessments? | Yes | | |
| Can the server receive and process learning outcomes updates/adds/deletes? | Yes | | |
| Does your client run in a loop (i.e. you can enter as many commands as you want and end when you want) as opposed to being sequential? | Yes | | |
| Are you handling invalid data, such as student ids and module codes? | Yes | | |
| Multithreading (Part 2) |  | | |
| Can your server handle multiple client connections using threading? | Yes | | |
| *Include screenshots of your program running here…* | | | |
| **Messaging** | | | |
| Does the server send a message to a queue to audit client activity? | | Yes | |
| Do you have a script that reads / consumes those messages from a queue to generate a report? | | Yes | |
|  | |  | |
| *Include screenshots of your program running here…* | | | |
| **Docker (Part 4)** | | | |
| Did you write a Dockerfile that you can use to run the server in a container? | | | Yes |
| Can you connect to your server container from the client? | | | Yes |
| *Include a screenshot(s) here of container running (e.g. from docker ps command)* | | | |

Appendix – anything else…