

Systems Software Report CA2

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BSc in Computer Science

**<Student Name>**

**<Student ID>**

School of Computer Science

TU Dublin – City Campus

**<Date>**

**Table of Contents**

*Functionality Checklist* 3

*Feature 1 - Client Program* 4

*Feature 2 – Server Program* 4

*Feature 3 - Multithreaded connections* 4

*Feature 4 - File Transfer* 5

*Feature 5 - Transfer Authentication using Real and Effective ID’s* 5

*Feature 6 - Synchronisation (Mutex Locks)* 5

*Conclusion* 5

# *Functionality Checklist*

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| --- | --- | --- |
| ***Feature*** | ***Description*** | ***Implemented*** |
| F1 | Client | Yes/No |
| F2 | Server | Yes/No |
| F3 | Multithreaded connections | Yes/No |
| F4 | File Transfer | Yes/No |
| F5 | Transfer Authentication using Real and Effective ID’s | Yes/No |
| F6 | Synchronisation (Mutex Locks) | Yes/No |

# *Feature 1 - Client Program*

Detailed description of the implementation and architecture choices made for the client program.

# *Feature 2 – Server Program*

Detailed description of the implementation and architecture choice for the server program. The lifeline of the communication between the client and the server program and how this is managed should be described in detail.

# *Feature 3 - Multithreaded connections*

Describe how the socked server program has offered concurrent connections.

# *Feature 4 - File Transfer*

Detailed description of the implementation process for sending a file from the client to the server.

# *Feature 5 - Transfer Authentication using Real and Effective ID’s*

Detailed description the process used to determine if a specific user is permitted to transfer a file to the Marketing/Offers/Sales/Promotions folders in the root Intranet folder.

# *Feature 6 - Synchronisation (Mutex Locks)*

How synchronisation was achieved for the concurrent access to shared resources.

# *Conclusion*

Summary of the implementation and achievement