**Curtin University**

**Sri Lanka Institute of Information Technology**

**Distributed Computing (COMP3008)**

**Semester 1, 2017**

**Assignment Report**

**Submitted by**

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**Running the program:**

The entire project is in this Air Traffic Control folder.

Navigate to Master/Master/bin/Debug and click once on the Master.exe.

Navigate to Slave/Slave/bin/Debug and click four times on the Slave.exe.

Navigate to GUI/GUI/bin/Debug and click once on the Slave.exe.

**Known Problems**

The major problem is when the increment time by 15 minutes button is pressed in the GUI it causes a “cannot access disposed object” exception in the Master Server.

The Web GUI was not created.

A method to transfer planes from one slave airport server to another was not implemented.

If you try to open more slave server than airports available the extra slave servers will crashed. However the rest of the distributed system still continues working.

**References**

For this assignment the lab assignments provided from Curtin Blackboard was heavily used as a guide1. In addition to that a coded guide for a Distributed System was used.

1) David Cooper (March 2015), “Practicals” Blackboard Curtin University,

<https://lms.curtin.edu.au/webapps/blackboard/content/listContent.jsp?course_id=_78088_1&content_id=_4529139_1> (accessed June 5, 2017)

2) Jason Giancono (10 September 2015), “air-traffic-control-simulator” github.com,

<https://github.com/jasongi/air-traffic-control-simulator> (accessed June 5, 2017)