Advanced Programming Member Contribution

Name & ID Number	Contribution
Wycliffe Peart 1105936	• Software Architecture (Client/Server) - Implemented the Client Server architecture using TCP/IP sockets for networking • Multi-User Support (Admin/User) - Implemented a multi-user approach for practicality. • Documentation - Added Proper Commenting of Source code files.
Kemar Christie 2005904	• Asset Management Module - Implemented the ability to keep track of all assets acquired and stored in the inventory. • Entity Design - Implemented the Object Model including abstract classes, interfaces, inheritance, polymorphism and Database Relations.
Zemario Pascoe 2106617	• Billing Module - Implemented the ability to create invoices for quotations and generate receipts for bookings and rentals. • Database Connectivity - Implemented Database Connectivity (using both relational and ORM methods also, and at least 1 table uses ORM.
Tashana Henry 1804274	• Scheduling Module - Implemented the ability to schedule equipment for upcoming events. Also, a feature where a piece of equipment cannot be scheduled for two events simultaneously. • Logging - Ensured accurate logging was done to produce an audit trail.
Gabrielle Richards 2007016	• Reporting Module - Implemented the ability for the manager to pull up the report for all bookings for a particular day or between user-specified periods. • Exception Handling – Ensure that exceptions were handled.
Maleeka Bailey 1901692	• Threading - Implemented the ability to accommodate multiple users at the same time. Also ensured that Users have their own accounts (username and password). • User Experience – Implemented standard GUI components, Parent windows, Menus, Message Dialogs and consistent UX

UNIVERSITY OF TECHNOLOGY, JAMAICA
Declaration of Authorship

FACULTY: Faculty of Engineering and Computing

School/Department: School of Computing and Information Technology

Course Code & Title: Advanced Programming (CIT3009)

Submitted To: Mr. Julian Jarrett
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Date of Submission: March 23, 2025

Title of Assignment: Advanced Programming Group Project

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Declaration: I certify that I am the author of this paper and that any assistance I received in its preparation is **fully** acknowledged and disclosed in the paper. I have also cited all sources from which I used visuals, data, ideas or words, either quoted directly or paraphrased. I also certify that this paper was prepared by me specifically for this course. I also understand that a grade will not be assigned without the submission of this agreement.

Student's Signature:

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Lecturer's/Supervisor's Grade for Assignment:

Lecturer's/Supervisor's Comments:

Note: **For group assignments each student is required to complete a separate Declaration of Authorship.**

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FACULTY: Faculty of Engineering and Computing

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Student's Signature: K.Christie

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Course Code & Title: Advanced Programming (CIT3009)

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Student's Signature: _THenx_

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School/Department: School of Computing and Information Technology

Course Code & Title: Advanced Programming (CIT3009)

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Student's Signature: *(Richards)*

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School/Department: School of Computing and Information Technology

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Date of Submission: March 23, 2025

Title of Assignment: Advanced Programming Group Project

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