LO2: Evaluation of the instrumentation

Key Instrumentation evaluation

Logging and Diagnostic Outputs: Effectively captures essential operational data such as order processing, drone movements, and system errors. Could benefit from more granular logs, especially in complex navigation scenarios or during peak operation times.

Performance Metrics: Performance metrics like response time and battery usage are crucial for evaluating the drone's efficiency and reliability.

Error Tracking and Exception Handling: Error tracking mechanisms are in place to catch and log exceptions, aiding in prompt troubleshooting. Advanced error prediction algorithms could be implemented to proactively identify potential system failures.

Assert Statements: Assert statements are useful during the development phase for validating code functionality and data integrity. There's a need for more comprehensive assertions covering edge cases, especially under unusual or extreme operational conditions.

User Activity Monitoring: Tracking interactions provides insights into user behavior and system usability. Enhanced activity logs, including more detailed user journey information, could improve the understanding of module interaction.