Title : Software Testing of the NextGen Lending System Using Manual and Automated Techniques

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- ☐ **Oral Presentation**
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- ☑ **Cooperative Education**

ABSTRACT

This cooperative education project focuses on software testing and software quality assurance through the testing of the Nextgen Lending system. The system was developed to integrate multiple loan products into a single platform, requiring comprehensive testing to ensure functional accuracy, system reliability, and overall software quality.

The testing implementation involved designing test cases, performing both manual testing and automated testing, and reporting defects to the development team for continuous improvement. Automated testing was applied to support repetitive testing tasks and improve testing efficiency, while manual testing was used to verify detailed functionality and system accuracy. These testing activities helped establish a structured quality assurance process and support system stability.

In conclusion, the results demonstrated that manual testing was effective in validating detailed workflows, while automated testing significantly reduced testing time and improved consistency. The testing process contributed to enhancing system readiness for real-world deployment and provided a scalable foundation for future quality improvements.