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# TESTING AUTOMATION IN DUCK CREEK POLICY AND BILLING CENTERS

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## ABSTRACT

*In the rapidly evolving insurance landscape, effective automation of testing processes within Duck Creek Policy and Billing Centers is essential for enhancing operational efficiency and accuracy. This study explores the implementation of testing automation strategies tailored for Duck Creek systems, focusing on both policy management and billing functionalities. The integration of automated testing tools aims to streamline the quality assurance process, reduce manual intervention, and ensure consistent functionality across diverse insurance products.*

*By employing a systematic approach to automate regression testing, functional testing, and performance testing, this research identifies key benefits, such as significant time savings, improved test coverage, and early defect detection. The paper also examines the challenges associated with testing automation in Duck Creek environments, including the need for robust test data management and the complexity of maintaining automated scripts amid frequent system updates.*

*Furthermore, this study highlights best practices and frameworks that organizations can adopt to maximize the effectiveness of their testing automation initiatives. By aligning testing processes with continuous integration and continuous deployment (CI/CD) practices, insurers can enhance their ability to respond to market demands swiftly and accurately. Ultimately, this research underscores the critical role of testing automation in optimizing the performance of Duck Creek Policy and Billing Centers, contributing to improved customer satisfaction and competitive advantage in the insurance sector.*

**KEYWORDS:** *Testing Automation, Duck Creek, Policy Management, Billing Systems, Quality Assurance, Regression Testing, Functional Testing, Performance Testing, Test Data Management, Continuous Integration, Continuous Deployment, Insurance Technology, Operational Efficiency, Defect Detection, Best Practices*