Ensuring Excellence in Workflow Validation for a Complex Financing Portal

ORGANIZATION

Our client stands as a global leader in digital industrial innovation, delivering cutting-edge, software-defined machines and intelligent, connected solutions that are responsive and predictive. Renowned for their transformative impact, they drive the future of energy with unparalleled financial and technological expertise, supporting energy infrastructure projects worldwide.

Their diverse portfolio spans power generation and distribution, oil and gas, pipelines and storage, water management, venture capital investments, and renewable energy solutions. Committed to empowering millions of American households and businesses, our client delivers cost-effective, reliable electricity while championing sustainability and shaping the future of energy on a global scale.

CHALLENGE

The **ICFP Rewrite (Inter-Company Financing Portal)** is an innovative, web-based solution designed to streamline and elevate the inter-company financing process with robust workflows that ensure governance, control, and transparency. Acting as the centralized entry point for all inter-company funding transactions, the portal empowers the Treasury Department by consolidating the management of all funding types under a single, efficient platform.

This next-generation portal is a cornerstone of the organization's **Recovery and Resolution Plan (RRP)**, reflecting its strategic importance in enhancing operational efficiency and compliance. By incorporating seamless approval mechanisms, advanced governance frameworks, and real-time transactional status reporting, the ICFP Rewrite transforms existing processes into a dynamic, future-ready solution.

Key project highlights include:
- **End-to-End Workflow Integration:** Developing, designing, and deploying the portal with sophisticated workflows and multi-layered access controls to ensure secure and efficient operations.
- **Enhanced Operational Efficiency:** Creating a user-friendly front-end interface to simplify and operationalize complex inter-company financing processes.
- **Comprehensive Testing Framework:** Addressing the inherent complexities of the application by conducting multiple rounds of testing to validate workflows for different roles and funding processes, ensuring a stable and reliable system.
- **Stakeholder Collaboration:** Navigating scheduling challenges by maintaining daily communication with business SMEs and stakeholders to align on project milestones, requirements, and deliverables.

The **ICFP Rewrite** represents a transformative leap forward, enabling the Treasury to achieve operational excellence, improve compliance, and meet the organization's strategic financial goals with confidence.

TECHNICAL SOLUTION

The XTIVIA QA **team** delivered comprehensive testing solutions to ensure the success of the ICFP Rewrite, addressing all critical workflows with precision and diligence. Leveraging in-depth system knowledge, robust test planning, and real-time requirement tracking, the team executed a range of testing types, including smoke/sanity, functional, UI, non-functional, and regression testing.

Key Highlights of QA Excellence:

- **Meticulous Workflow Coverage:**
  - The QA team developed and tested complex workflows supporting various transaction activities, ensuring seamless functionality for:
    - **Phase 1 Activities:** Capturing new inter-company funding requests for diverse debt and equity products such as revolving credit agreements, term loans, and bonds.
    - **Phase 2 Activities**: Validating lifecycle events, including drawdowns, prepayments, amendments, terminations, extensions, assignments, sales/purchases, and dividends.
- **Flexible Decision Tree Testing:**
  - To accommodate the dynamic nature of approval processes, the team tested a sophisticated decision tree system, ensuring all transaction events followed the appropriate approval paths. This involved simulating multiple scenarios to validate every possible flow.
- **Complex Calculations:**
  - The QA team addressed intricate calculations, particularly for equity and derivatives transactions, by designing a comprehensive test suite that ensured financial accuracy and system integrity.
- **Adaptability to Evolving Requirements:**
  - Frequent requirement updates were meticulously tracked, and test suites were continuously aligned with changes. Knowledge Transfer (KT) sessions and detailed documentation enabled the team to stay ahead of requirements and ensure quality delivery.
- **End-to-End Testing:**
  - Exhaustive end-to-end scenarios were prepared and executed for all workflows, ensuring no functionality was overlooked and the system met user expectations comprehensively.
- **Proactive Risk Management:**
  - A detailed test plan document outlined the test scope, estimations, dependencies, risks, and mitigation strategies, keeping stakeholders informed and aligned throughout the project lifecycle.
- By combining strategic foresight with technical rigor, the **XTIVIA QA team** ensured that the ICFP Rewrite not only met but exceeded quality benchmarks, providing a robust, reliable, and scalable solution for inter-company financing management.

BUSINESS RESULT

The XTIVIA team leveraged a dynamic and adaptive workflow architecture to efficiently manage transaction approval processes across diverse roles. Our QA team meticulously crafted comprehensive end-to-end test cases, ensuring robust validation of all workflows using diverse test data and role-based access controls. The enhanced application seamlessly integrates with existing treasury systems, delivering a streamlined, intuitive, and feature-rich user experience designed to exceed client expectations.

KEYWORDS

Testing, QA, Java, JSP, Struts, Spring, Hibernate, JQuery, JavaScript, Tomcat, Tibco,iProcess, Oracle

SOFTWARE

Java, JSP, Struts, Spring, Hibernate, JQuery, JavaScript, Tibco EMS, Tibco BW, Tibco iProcess, Oracle, Tomcat6.0

ABOUT XTIVIA

At XTIVIA, we've provided IT solutions and consulting services for over 30 years. We offer a wide range of services, including technology assessments, IT service and asset management, software development, data analytics, cloud migration, DevSecOps, ERP, and enterprise content management. Our team of experts is dedicated to each discipline, ensuring that our clients receive the best possible service. We've partnered with industry leaders to bring our clients the latest solutions. Through strategic acquisitions, we've acquired talented people who are experts in their industries, passionate about what they do, and committed to providing exceptional service to our clients. Whether you need to improve your IT infrastructure or

implement new software solutions, XTIVIA is here to help you achieve your business goals. Contact us today to learn more about our services.XTIVIA has offices in Colorado, New York, New Jersey, Texas, Virginia, and India. www.xtivia.com