

Department of Environmental Protection

Division of Water Resource Management (DWRM):

State Revolving Fund Application (SRFA)

Enterprise 24x7 Inc. Project Summary

Overview

The SRFA project was a multi-million dollar project spread out over several years to redesign and migrate seven (7) MS Access applications previously used by the Bureau of Water Facilities Funding to administer the state and federal loan/grant programs for drinking water systems and waste water treatment facilities. The new application was custom written in JAVA with an Oracle database. It utilized the agency's centralized authentication application to validate user's identity while internal security tables were used to control page and field level access based on roles. The application included complex amortization algorithms for loan payment component calculations and facilitated the tracking of multiple funding vehicles (loan increments, grants, ARRA funds) provided to a single responsible authority (e.g. a disadvantaged small community). It facilitated the tracking of the full-life cycle of each loan/grant from application to approval, through each contract, contractor invoice, repayment and closure.

The SRFA application also provided the reporting capabilities needed to submit the monthly, quarterly and annual reports to the State Bank, the Federal Drinking Water program and the Federal Clean Water program. The diverse tracking needs of each program and funding vehicle were handled in this core application, as well as the generation of mass mailings to all responsible authorities and/or contractors.

E24X7INC Services

The E24X7INC **Project Manager (PM)** developed and managed the project plan and schedule. She directed development teams in the areas of scheduling, risk and issue management, scope adherence to requirements, UAT deployment and testing and final Implementation to production. She participated in quality improvement activities for the DWRM. She monitored scheduled milestones to ensure project/ program objectives were met in a timely manner and possessed in-depth knowledge of the principles, theories, practices and techniques for managing the activities related to planning, managing and implementing systems analysis and applications development projects and programs. Her degree in accounting also ensured the application behavior adhered to accepted accounting principles.

The E24X7INC **Business Analyst (BA)** served as a liaison between the business community and the DWRM and DEP IT sections in order to provide technical solutions to meet user needs. He BA possessed expertise in the business unit(s) she supported, as well as, an understanding of the IT organization's systems and capabilities. The BA analyzed the client's current IT Testing operations to understand their strengths and weaknesses to determine the appropriate modifications and templates that would be needed for the diverse application environment. The BA assisted in the testing process redesign and documentation as needed for new technology and enhancement efforts. The BA participated in the mentoring efforts and the review of the client drafted test cases and testing summaries.

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testing, test cases and testing process and documented the results and defects to ensure all issues were remediated and requirements met prior to implementation.

Technologies Leveraged

- MS Access
- JSP
- MSOffice
- Oracle Database
- PL/SQL
- MS Project
- JAVA-J2EE using STRUTS
- Mail-merge
- JIRA

