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Automated Drug Testing System (DTS)— Full Life-Cycle Development

Client

Rhode Island Department of Corrections (RIDOC) is a state agency that contributes to public safety by maintaining a balanced correctional system of institutional and community programs that provide a range of control and rehabilitative options for criminal offenders.

Solution

Drug Testing System (DTS) is a web-based/PDA application designed to automate the selection (random, for cause, treatment), collection, transfer/tracking, testing, sanctions, and treatment design processes related to substance abuse testing of inmates within a state wide corrections system. The DTS greatly enhances overall process increasing accuracy, saving time, managing chain of custody, and reducing risk of corruption. DTS readily integrates into existing back end systems allowing for real time status reporting at all stages of process.

Auriga's Contribution

Turn-key full life cycle development, including design and implementation from scratch.

Implementation

MS Internet Explorer, XML/XSL, Palm OS-powered Symbol 1700 handheld, Java application; Apache Tomcat (development mode), Sybase Enterprise Application Server (production mode), Servlets, Java beans, SOAP Web services; Oracle 8i