

REQUIREMENTS ENGINEERING, SYSTEM ARCHITECTURE / DESIGN FOR CLINICAL DIAGNOSTICS APPLICATION

Client Profile:

An established manufacturer of clinical laboratory reagents and instrumentation for in vitro diagnostic testing.

Technologies Used:

Rational Unified Process, Use Cases, UML, Mercury Interactive TestDirector/WinRunner

Project Summary:

To quickly develop requirement specifications and system design documentation for a critical laboratory software product. This comprehensive web-enabled system was essential for supporting improved Quality Control tests performance by their customers worldwide. Using best practice RUP processes and Use Case Analysis, The ASHVINS Group produced a detailed Software Requirements Specification (SRS). This step established clear, detailed documentation of the system goals in order to manage and to achieve an effective and efficient software development process. Prepared complete Design and Architecture Documentation with GUI templates and model diagrams to aid accelerated implementation of the software coding and development. Provided independent Test Administration support including Quality Assurance planning, software test case development, system and integration testing, change control procedures, defect tracking and coordination of field beta testing.