

WEB-BASED SYSTEM SOLUTION FOR RESEARCH GRANT MANAGEMENT

Client Profile:

A large university medical school handling multiple research studies and grants.

Technologies Used:

Rational Unified Process; Java; J2EE; Oracle; WebSphere; JSP

Project Summary:

As a research university managing multiple research grants projects, the client found that each department would collect their results on multiple PC's using various software applications. This fragmentation of the data did not provide the university with the ability to access or link similar studies for further analytical review. The university contracted The ASHVINS Group to conduct a thorough review of their current processes and to formulate a solution. The ASHVINS Group prepared a comprehensive list of recommendations that included the implementation of a large web-based system that tracks the state's primary health care network. The system was designed to identify and forecast the needs for preventative medical services and incorporate this knowledge into the student curriculum for predoctoral training in primary health care. The ASHVINS Group undertook an extensive data modeling endeavor for the system. The data model was realized into an Oracle database on the host server. ASHVINS also implemented the application server portion of the project. We undertook conception and system requirements analysis using the Rational Unified Process, and then subsequent elaboration and construction phases of the project. As a result, the university can formulate comparative studies of similar projects. Having one database has also minimized data entry as multiple users were previously entering like information into separate databases.