CASE STUDY

Development of a Healthcare Reporting Product

Company Description

The customer creates an affordable suite of tools usable by all physicians. Simple and affordable yet powerful, these tools provide immediate clinical value, save time and improve care.

Effective Health IT solutions that truly improve care and save time must take into consideration patient safety, aging population, available broadband and continued healthcare financial pressure, along with the realization that physicians are healthcare experts not "computer-jocks" come together to demand effective solutions that truly improve care and save time.

The customer offers an affordable suite of tools usable by all physicians. They are simple and affordable yet powerful, these tools provide immediate clinical value, save time and improve care. The customer offers a care-driven approach to Health IT that is focused on providers and patients, and gives the choice to decide when and how to incorporate Health IT into the practice. Providers are able to solve specific clinical challenges (Chronic Disease Management, e-Prescribing, PQRI, etc.) with a suite of products that are easy to use and have immediate impact on patient care.

Project Objective

The customer needed an extensible, brand-able reporting product that improved the efficacy of their core product offering while simultaneously providing a framework for leveraging additional revenue opportunities. The solution would also provide their clients with a stable, high performance tool that improved their understanding and ability to communicate the data from the Patient Planner.

Customer Challenges

The customer's existing reporting system needed adapting to the growing requirements of the business. Their existing framework had limitations relating to:
- ❑ Building interactive reports
- ❑ Supporting Multiple reporting formats
- ❑ Providing flexible licensing options

Trigent's Solution

Trigent's solution replaced the existing reporting solution with a Microsoft .NET based solution and a Rich Internet Interface (RIA) built using Ajax controls, providing the customer with a brand-able reporting solution which -

Client
A leading Healthcare IT provider catering to Healthcare providers with solutions for Chronic Disease Management, e-Prescribing, PQRI

Project Objective
Provide an extensible, brand-able reporting product that improves the efficacy of their core product offering while simultaneously provides a framework for leveraging additional revenue opportunities.

Technology
- ✓ IIS Windows 2003 Server
- ✓ MS Visual Studio 2005
- ✓ Microsoft .Net 2.0 using ASP.Net, C#.Net
- ✓ Ajax 1.0 from Microsoft
- ✓ MS SQL Server 2000
- ✓ Dojo

Benefits
- ✓ Stable, high performance & easily customizable reporting solution
- ✓ Flexible licensing option based on features and number of users
- ✓ Rich & responsive User Interface

- ❑ Improved performance for dynamic generation of huge reports
- ❑ Provided graphical on-line interactive reports with drill down functionality
- ❑ Supported creation of templates and generation of template based Letters/reports
- ❑ Supported multiple report formats and allowed addition of new formats with minimal code changes
- ❑ Provided flexible licensing option based on feature list and number of users

Client Benefits

- ❑ Usability - Click through time and effort was reduced substantially
- ❑ Over 600 concurrent users could generate reports easily with a 80% faster response time
- ❑ Support for ad-hoc user generated report generation
- ❑ Easy scheduling of notifications and desired reports
- ❑ Reporting and decision making on project costs and progress was made easier and faster