


# Case Study | Custom Application



## Enterprise Application for Healthcare Industry

### About Client

World's leading Healthcare diagnostic company, providing leading-edge medical laboratory tests and services through a national network of primary clinical laboratories and specialty testing laboratories.

### Technology Used

jQuery, Ajax, Knockout, Spring, IBM Sterling Commerce, and Oracle

### Business Benefits

- Integration with Sterling E-Commerce Order Entry System
- Integration with AccuDraw for sample collection guidance to reduce manual errors
- Integration with tools such as fax, print, email, and annotations that make it easy and quick to share reports when and where needed
- Integration with Microsoft Amalga Server for Trending and Analytics
- Data Volume: 1 TB
- Number of Concurrent Users: 2000+
- The time taken to place an order reduced to 17 seconds

### Business Challenges

- Client helps physicians and staff to order, view, share, manage, and analyze lab results
- The existing application took around 2 minutes to place an order
- No user-friendly screens were available to place an order
- More effort needed for maintaining the current application

### Solution Provided

Designed and Developed Enterprise Application using Oracle SOA Architecture.

#### The application had the following features:

- For Order Entry, a Single, Streamlined Order Screen to display Provider, Diagnosis, Test, and Collection Information
- Supported alternate lab routing
- Instantly communicated delivery of new and critical lab results, ensuring time-sensitive information is easier to find and view
- It centralized the viewing of lab reports from multiple LabCorp companies
- Physicians could see graphical representations of the patient and practice test results to help recognize patterns
- Automatically printed lab result reports on a schedule and could be customized to meet specific workflow needs

