

Lab Integration with Quest & Web Service



Company: American Healthcare Software Company

Location: USA

Website:

Customer Description

Our customer offers a comprehensive **Healthcare Software Solution** to medium size medical practices for managing electronic records, billing, document imaging, electronic claims, paperless scheduling and voice dictation.

Business Need

Our client required us to integrate their Lab Engine with Quest, a well known Laboratory company in America. We were asked to work with their existing lab engine to create a HL7 file that could be accepted and parsed by Quest. The client required us to pass the Quest compatibility test for them. Once the project was complete the system would need to seamlessly create new lab orders and then generate these into a HL7 document, matching the requirements of quest. Place this HL7 document to a position where Quest could locate it using a Web Service. We were also required to develop a Web Service from scratch that would be able to perform this task.

Solution Offered

We provided our client with the required development assistance. Our experienced developers were able to complete the outlined requirements within the time period allocated and project scope.

Some of the major features we worked on, included;

- Creation of a HL7 document, populated with the lab order and matching the required HL7 format of Quest
- Passing the Quest test to ensure that the HL7 document would be parsed into their system
- Creating a Web Service that would do the sending to Quest.
- Developed a Web Service system that would allow for the electronic sending of the HL7 document to be placed in the allocated position for Quest to retrieve the file.
- A seamless process of creating the Lab Request and automatically generating and sending a HL7 document to Quest when the "Order" button was clicked by the user.

Technology Used

- VB .Net
- SQL Server
- Stored Procedure
- HL7, ICD, CPT

Benefits to Customer

- With our years of experience in the Medical software industry, we were able to quickly assess the clients current system and integration requirements
- Our previous experience with Quest enabled us to effectively create the required HL7 document and pass the Quest test.
- We provided weekly software updates and held weekly project progress meetings via online conferencing. Ensuring the project was controlled professionally and deadlines were met.

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