Customer

National Health Trust, UK

Challenges

- Their paper-based system had to be converted to an automated system.It can create and edit procedures
- An inventory log had to be maintained, because there was a mismatch in the stock and records.
- There was a requirement of giving inter-hospital data accessibility to doctors as well as the patients.
- The patient history had to be centralised across the hospitals.

Challenges

This product is made specifically for the cardiology department in a hospital to automate the manual paper-based system of maintaining the database of patients. The product has the following features:

- It can create a new patient's profile.
- It can create and edit procedures.
- It can create and edit follow-ups.
- It also allows the hospital to import and export patient information through CCAD, so that work is simplified.
- The product's stock module helps to maintain an inventory of the medical devices being used.
- The PAS link module of the product helps synchronize the patient's information between the application and Patient Access System (PAS).
- This product creates reports of individual patients for procedures and follow-ups with the hospital.

Solutions provided by the product

This integrated system is developed in three tier architecture. The stock module is developed as optional to the system because of its independent nature, which monitors the inventory of the medical devices. Synchronization of patient information between the application and centralised patient repository system (Patient Access System) is made configurable to update patient details consistently.

Technologies used

Java Swing, Java Servlets, JNLP, FTP Client API, and Jasper Reports.

Benefits for the client

- End client is a chain of hospitals in UK so this product helps them maintain their patient databases in a scalable manner.
- It is much easier and simple to maintain.
- The stock/inventory can be managed efficiently, so that the devices which are missing can be tracked and controlled.
- Application Integration with other systems can be done.
- Data Interchange with other hospitals, including central hospitals, can be done.