

CASE STUDY 1:

Pacemaker Tracker

Customer:

National Health Trust, UK

Project description:

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 a 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 as 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.