



Healthcare Practice Management App for Android Tablets

Executive Summary

This client is one of our existing clients who provide services to Healthcare industry with one of his flagship healthcare product. Earlier this product was developed as a desktop application in Mindfire and then he planned to develop one for Android tablets.

This case study illustrates the way of securely providing a Web based practice management application to hand held Android tablets. The application includes case studies of patients in DICOM format. Digital Imaging and Communications in Medicine (DICOM) is a standard for handling, storing, printing, and transmitting information in medical imaging. It includes a file format definition and a network. DICOM files can be exchanged between two entities that are capable of receiving image and patient data in DICOM format. All DICOM images needed to be securely exchanged over network.

Radiologists, clinicians can view patient's x-rays on their tablet even if they are far from their clinic, sitting at home and if patients are at separate facilities.

About our Client

Client Healthcare Service Provider | **Location** USA | **Industry** Healthcare

Business Situation

The client had set out its primary goal to transfer DICOM images securely over the network and view, manipulate medical DICOM images with features like window level, zoom, maintaining aspect ratio of images, and contrast. Secure access to DICOM images was stored in the existing product. The primary complexity of the application was, not to reset DICOM image after applying any functionality and that other functionality must be implemented on the previous image (which is not the original image). Centralized control of all features on selected patient's DICOM image was required. The client was curious about the performance of GUI and features to be implemented on DICOM images. The client was in search of an able outsourcing company who would understand their previous code base, match their objective and produce something that would be in sync with their existing process.

Technologies

Android SDK 3.0 (Honeycomb), Java, Eclipse.

