



Generating Accurate Prescriptions with e-Rx



Client Business Description

- ◇ Client provides a suite of Healthcare Products; one of them being e-Rx.

Background

- ◇ More than 3.52 billion prescriptions are written annually in the United States & prescription medications are used by 59% of the under-65 population and approximately 80% of the over-65 population.
- ◇ Of these 3.52 billion prescriptions, about half (1.47 billion) can be addressed with e-Prescribing including new prescriptions and renewals. A clear opportunity exists for e-prescribing these challenges.

Challenge

- ◇ Paper medical records & patients' memories are insufficient to provide information to prescribers at the point of care on what medications their patients are taking.
- ◇ Writing illegible prescriptions can lead patients to taking wrong medicines. More than 1.5 million adverse drug events (ADEs) each year are preventable.

Idea

- ◇ A product that could network the doctors on the rounds to the hospital servers, and reduce the time it takes to prescribe the medicine to the patients.
- ◇ Developed an Electronic Prescription Writing Solution using Palm PDA and Web Application allowing physicians to generate legible, error-free prescriptions in seconds and send them directly to the patient's pharmacy.

Our Solution

- ◇ Developed an Electronic Prescription Writing Solution using Palm PDA and Web Application allowing physicians to generate legible, error-free prescriptions in seconds and send them directly to the patient's pharmacy.
- ◇ System provided up-to-date formulary information. Enabled Doctors to view patient drug history at the point of care and receive drug to drug, drug to dosage and drug to allergy alerts.

Technologies Used

- Metrowerks CodeWarrior 9.3
- MySQL Database Server / Servlets
- Wolter Kluwer's Medispan Drug Database
- Palm HotSync 6.0 / Palm OS 5.2.1

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