

Case Study: A Pharmacy Management System

Client

A chain of pharmacy stores in the greater London, United Kingdom, area.

Challenge

The challenge was to design and develop a centralized database and a user-friendly, front-end application to assist pharmacists in dispensing drugs to patients using an online/offline POS Pharmacy Management System. This system had to be designed, with regards to the ability, to expand to a web-based system where prescriptions, patient records, buying history, automatic reminders, integration with insurance companies, credit card processing and much more could be tracked.

Solution

ISHIR started with an onsite seven week system study in London. The system study allowed the correct inputs to design a robust and scalable Pharmacy Management System that could be sold as a hosted solution to other pharmacies. ISHIR designed the system using a client server architecture built on Microsoft .NET framework with SQL server and Crystal Reports. ISHIR's engineering team designed and developed a centralized database and a user friendly front end to assist pharmacists. The application linked all the pharmacies and had the following features:

- User friendly GUI for pharmacist (AJAX)
- Application distributed across various pharmacy outlets
- Role based security
- Multi store capability
- Dynamic report generation
- Point-of-sale (POS) integrated with POS equipment
- Drug information management
- Clinical alerts for various allergies or patient history
- Label generation & receipt printing
- Inventory management
- Faster insurance claim processing (web services)
- Credit card processing
- Web based patient record management
- Ecommerce based pharmacy with distribution from nearest store location

For More Information

For more information about ISHIR services and solutions, call +1 (888) 99-ISHIR (47447) or email info@ishir.com. To access information using the World Wide Web, go to: www.ishir.com and www.ishirdigital.com.

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Results

ISHIR's global delivery model coupled with its software engineering experience to produce a team in the healthcare domain leading to the following results once the system was built:

- 30% reduction in time-to-market*
- 55% savings in overall development costs*

Technology

The solution was developed on the Microsoft .NET platform with ASP.NET, C#, VB.NET, AJAX and SQL Server used for the database.

* Above results are based on as estimates submitted by the competitive United Kingdom based software development firm.

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