

Black Berry, PDA and iPhone Services Case Studies

Lakson Business Solutions





SMART ELITE

Problem

The client wanted a solution that would be able to allow the user to collect all the information on the PDA. Pfizer needing to equip its medical representatives with such an application which would give them an easy access to all the information, as they had a large force of medical representatives. The PDA application desired by Pfizer had to support all users to enter new information and update the existing information. At the end of the day the user should be able to transfer all the data to the PDA Database so that the main database server is also maintained.

Solution

LBS personnel tried their level best to deliver the solution that is according to the client's expectations.

Thus, the solution delivered contained all the user related information and the daily appointments in the local PDA database. The PDA database helps the user to collect DCR information which will later update the main database whenever the user will try to update it. The PDA contains the user specific data which will be transferred to the main database. The SMART Elite application can import only user specific data, and the user is able to view his/her information, reported calls and is able to update his/her information enter new DCR.

Role of LBS

The LBS personnel did RnD and provided the client with the application. The SMART Elite application is to be run after the connecting the PDA to the Desktop for exporting the data. The application identifies the PDA user with the help of the usernames and this helps in exporting the user specific data. Hence a large number of people can be connected to the database and can access and maintain their information through SMART Elite. Pfizer was very much satisfied with the delivered solutions as it was supporting around 300 medical representatives. Their medical representatives could maintain all their information at a central place which was easily accessible and updatable.

Smart CashFlow



Problem

The Client being a user on the move and having a large number of transactions be it revenue or expense wanted to keep a track on his personal Java enabled mobile phone which he carried with him everywhere he would go. Hence, having a pocket size solution is always handy. He also wanted to be able to have a look at all his monthly expenses at the end of month along with the ability to export this data to his Personal Computer/Laptop.

Solution

The solution that was delivered was SmartCashFlow. An expense tracker application designed and developed from scratch onwards by LBS. The Application was designed to be compatible with Java Enabled Mobile Phones. The only responsibility of the Client would be to key-in the transactions into the application which provided a nice looking Graphical User Interface for a user-friendly front end. Then it was the task of the application to keep records of the transactions; perform calculations on them. Different quotas can also be assigned to the different categories so as the limit is not exceeded of that expense category. Graphical charts are also provided in the application to give a birds-eye view of the transactions on monthly/yearly basis and they also allow the client to be able to export the data to his Personal Computer.

Role of LBS

The LBS personnel later tried to make the application usable by all SMART phone users. Hence, the LBS staff ported the application to be compatible with Blackberry 8080/8088 etc. due to change of choice in hand held devices in the enterprise sector. The client was delighted by the application delivered to him as it had all the features and above all a user friendly and nice looking interface.

3S .NET



Problem

The client being a sales and distribution dealer required an application that may in addition to keeping track of the warehouse inventory; provide an up-to-date status of the inventory/stock/prices/ schemes/ discount deals/ sales tax etc. to the Sales force which is on the move. Therefore serving the main purpose of keeping their Sales Force in touch to make them aware of and synchronize them with any changes in the mentioned criteria. Hence on the basis of that information the Sales Force may proceed with their tasks. There should also be a certain means for the Sales Force to communicate the transactions e.g. goods delivered and the money received from shops, etc. to the warehouse.

Solution

Based on research and analysis LBS, suggested a two-tier solution to the client. A desktop solution which would be responsible for inventory/stock management at the warehouse. And for the synchronization and keeping track with the Sales force, a PDA (Personal Digital Assistant) application was suggested and approved. The PDA application was responsible for downloading the data from the Warehouse desktop application to provide the Sales Force with the updated status information of the Warehouse inventory along with a number of additional information details to help them better cater to the Sales tasks. This was achieved through the Import/export utility which was capable of sending/receiving data to and from the server (desktop application). It assisted the Sales Force to perform Sale transactions like Order booking, Cash memo / invoice generation, View Bill with discounted amount etc.

The PDA application provided many features as follows (to name a “few”):

- Provides real-time status of the distributor’s warehouse inventory.
- Monitor payment regarding each order.
- Provides tracking of credit sales and unrealized cheques.
- Provides daily realization of the sales force for goods delivered and the money received from shops.
- Provides credit monitoring of customers and the sales force.
- Provides calculation regarding schemes, discount deals, sales tax, trade offer during order booking.

- Provides a mechanism to implement special schemes and discount deals offered to valued customer.

Role of LBS

LBS went through a detailed process of analysis and then delivered the 3S solution to Hyeworth that contained the sales management process and the PDA import/export utility. Hyeworth liked the delivered solution because it covered all the aspects of claims, collections & deposits, sales force management & inventory management.

FindMe



Problem

The Client wanted an application specific to iPhone which may serve the purpose of helping him find his current standing position with the use of GPS and help him in determining the location of any nearby hotels and restaurants.

Solution

The application developed by LBS would determine the coordinates of the client (or the user of the iPhone using the application at that moment). With the use of centralized database through GPRS Services provided by some third party; it will determine and show the distances between various nearby landmarks (hotels/restaurants) as per the request of the user of the application. The user may select a particular hotel to view the route from his current position to the selected hotel on a map; this would be with the Google Maps (Static).

The application would contain the function of emailing the details to a valid email id. FIND ME will also contain the basic functionality of Storing and Saving the relevant data.

Role of LBS

LBS is doing the Analysis and Research to achieve the target requirements, and any further enhancements that would be fruitful for the client and would later help him with this application. The established environment for an iPhone application using the Xcode 3.0 made available with Mac OS X 10.5.2 (Leopard), using Objective-C as the development language.