

Fast and Accurate Inventory Counting



Client Business Description

- ◇ Provider of 3rd Party Inventory Counting Services for Retail Industry.

Background

- ◇ Blue Chip serves retail establishments by doing 3rd Party SKU and Retail Inventory stock taking using a team of Inventory takers. Lot of the inventory taking tasks have been automated using different technologies over the past 40 years.

Challenge

- ◇ Re-automating a 40 year old Inventory Counting business that had many of its tasks automated in distributed software components.
- ◇ To facilitate fast inputs on the PDA, client had developed a proprietary keypad to plug-in on the 16 – pin interface of new generation Palm PDA. Without interfacing on the 16-pin port with the keypad, the new software could not have been developed.

Idea

- ◇ To make the counting of retail & SKU inventory using Palm PDA really fast by using a proprietary PalmQuest keypad, and a Symbol™ Scan Gun.
- ◇ Operate the Palm application completely using PalmQuest, without needing the stylus. This will go on to make the inventory taker perform really fast on the field job.
- ◇ Market this software as a white labeled product to other Inventory Alliance group companies.



The quality of work & personnel that we got from them was top notch. Their proactive solutions met our needs on every occasion.



Noel Cormier

VP-IT, BlueChip Inventory



Our Solution

- ◇ Interfaced Palm PDA with PalmQuest serial keypad to reliably read upto 3000 keystrokes / minute on the keypad.
- ◇ Enabled remote counting jobs from areas of no data connectivity. Developed a complex data synchronization layer to converge this data at the backend server for reconciliation & reporting.
- ◇ Created a flexible structure to manage multi-level categories for varied inventory setups and enabled Wi-Fi syncing of PDA & server.

Technologies Used

For Laptop & Desktop Component

- MySQL Database Server / Java Swings / JasperReports

For Palm OS Development

- Metrowerks CodeWarrior 9.3
- Steven Creeks IrDA Printer API / TCP-IP Sockets
- Palm HotSync 6.0 / Palm OS 5.2.1

About Mobile Pundits

Mobile Pundits is an ISO 9001:2008 Certified, leading provider of end-to-end Mobile Development & Testing solutions.

Since over 15+ Years now, Mobile Pundits' expert team has been helping our Clients with:

- ◇ Enterprise Mobility Strategy & Consulting
- ◇ Mobile Application Development
- ◇ Mobile Product Development
- ◇ Mobile Application Porting
- ◇ IoT (Internet of Things)
- ◇ Cross Platform Development
- ◇ Responsive Web Design & Development
- ◇ Mobile Testing

Our areas of expertise include:



15+
Years

of Mobile Development

CONTACT MOBILE PUNDITS TODAY

Email: marketing@mobilepundits.com

Telephone:

USA: +1-732-654-9056

Australia: +61-2-8015-5723

France: +33-7-68-79-77-46

India: +91-731-402-5351

www.MobilePundits.com

An ISO 9001:2008 Certified Company

