



Information Technology Solutions

Technology Implementation Case Studies

TECHNOZYME – Clientele

Technozyme has catered to a wide range of international customers across different verticals. Here are some of the key projects that we have executed for our customers.

Case Studies

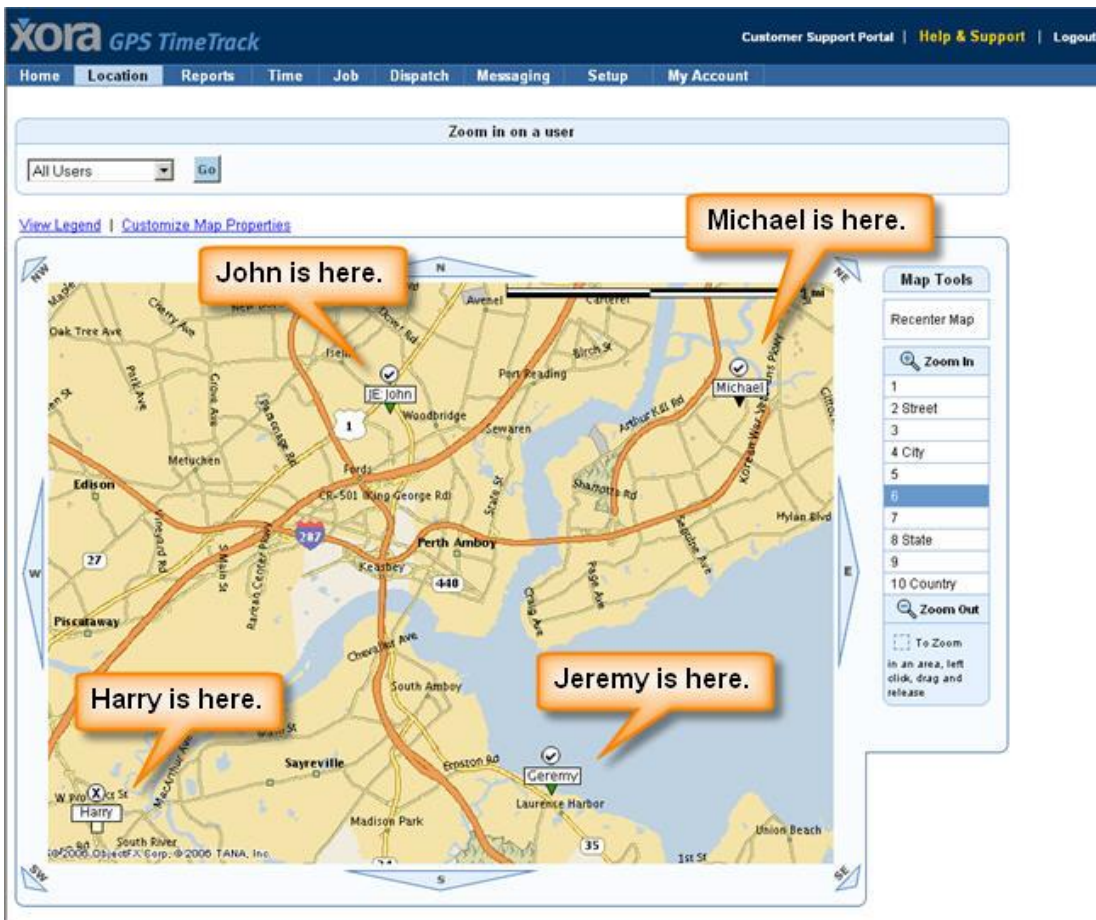
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Test Automation project for Xora Inc.



Xora Inc,
1890 N. Shoreline Blvd.
Mountain View, CA 94043

Xora Inc, is the world's largest location based, mobile business application provider. Xora is the world leader in the Mobile Resource Management (MRM) solutions. Xora's software solutions are used by service-driven companies to monitor and manage field-based employees. With over 16,000 customers across four continents, Xora is the market leader for location-based mobile business applications worldwide.



The Challenge

Xora wanted to build test automation suites for the entire code base. The code having evolved with the growing business that spanned over 10 years of customer service, had many components that were built to the cutting-edge technology of that time period.

The code base was an evolved code base that had started its root long before practices like Agile programming or Test-driven development was proposed.

Supporting more than 16,000 customers worldwide with, the software application had to undergo feature development without disturbing the existing code base. What was needed was a safety net that could help refactoring and re-engineer solutions without affecting the existing functionality.

Testing was an expensive proposition in terms of manual number of hours and the effort and the time take to rollout a new feature. Xora wanted to have a way to quickly release new features and maintain the competitive advantage. The evolved code base with its multiple technologies solutions made it difficult to ensure a feature to be released without testing the whole length and breadth of the application.

What was needed was a framework that would drastically reduce the testing time, allow for faster development and ultimately bring new features to the market in the quickest possible time.



The Technozyme Solution

Technozyme worked with Xora to identify a testing strategy that could reduce the time to develop and market new solutions to their existing and new customers.

The Xora code base has components of all the J2EE stack - and tight integration with legacy code. The Technozyme team started work on identifying the components that could be unit tested and those that could not lend to fine-grained unit testing.

The solution was to bring out the test cases for all the existing code that could be unit-tested. Employing the popular open-source testing framework JUnit, Technozyme team quickly helped Xora build JUnit test cases around the unit-testable code.

For that code that had tight integration, Technozyme devised a strategy for Scenario-based testing. Using popular open-source technology like Cactus, Technozyme was able to help Xora have a test bed to test the application before any feature release or refactoring of the code base.

A framework of tools and best practices was outlined for the new code, to make it testable and build Unit test cases according to industry best practices like the Agile methodology and Extreme programming.

Technozyme also worked with the Xora team to internationalize their application. Technozyme worked with Xora in identifying the localization issues and user message that were embedded in the code base, the database and in the presentation layer.

With a unified approach and strategy, using the popular Model View Controller (MVC) presentation frameworks, Technozyme helped Xora internationalize the application in a very short time.

“Automation project was quite useful... it kick started our effort towards that direction... the steps provided by Technozyme was very valuable.”

Pramod Jajoo
Managing Director,
Xora Software Systems Private Limited
(www.xora.com)

E-Commerce Solution for ServiceBox



ServiceBox
Seattle, Washington 98133
www.servicebox.com

ServiceBox helps forge relationships between the Community, Business and the Users. It is an exclusive Neighborhood meeting places where users interact with and keep in touch with members of the local community. ServiceBox is committed to forging stronger relationship between neighbors.

Users connect with local business and directly receive updates, coupons and other special offers.

ServiceBox provides business with the tools and applications for analytics, social networking, advertising and ecommerce. ServiceBox actively promotes the local business.

ServiceBox has a free member site with the only requirement being a commitment to participate in driving positive community activity. ServiceBox allows users to create a local Neighborhood site and invite neighbors to join. It helps users to write articles in local newspaper and encourages sharing of ideas for making the Neighborhood a better place to live!



The Solution – ServiceBox Marketplace

The ServiceBox Marketplace is an online shopping experience for the Community user. It lets the user search for specific items that they want to buy or use.

The ServiceBox Marketplace is modeled along the lines of Craigslist, bringing the buyer and the seller together from a given community. ServiceBox generates its revenue from the product advertisement and promotions and not on the actual sales transactions which is personal between the buyer and the seller.

The Marketplace categorizes items into Products and Services each having their own distinctive sub categories. This helps users to search for specific Items or Services easily.

Marketplace also allows a user to advertise for specific items or services that they would like to offer to the community. Users can advertise up to six offerings for free and are charged for more premium services that will allow them to advertise more than six offerings. Users can also make an item a featured item, by buy buying a special promotion on their product or service. The Featured item is given priority and listed on the top for given searches.

Marketplace integrates with many other modules like the 3d Carousel, which is a Flash based design to show the search item images rotating in a Carousel. All this lend to enrich the user experience on the website and make it a really unique experience that drives repeat traffic.

A fully integrated Shopping Cart solution, with Catalook.Net offers all the convenience of online shopping with Shopping Carts, express checkouts, Wish list and other preferences.


Technozyme partnered with Universal Technologies (www.universalinfotech.in) in building this world-class ecommerce based solution for ServiceBox

Technozyme was closely involved with the product proposal, development, testing and production rollout, working closely with the U.S. team across time zones stretching across the Globe, to help ServiceBox as a trusted Technology partner to meet their time-to-market on time with the best service.

HOME MARKETPLACE CATALOG

You are here : Marketplace > Item Details

Item Details

	Item Details	Seller Info
	Title: Trendy Hair Dresser	Seller Name: Arub Kumar
	Short Description: The best hairdresser in town	Neighborhood:
	Long Description: The greatest and the latest in fashion	I Want to buy this item
	Fees : \$50.00	I have a question
Is Free: No		


Demo Version ©2002-2009 CATALook Cart

[Continue Shopping](#)

Order Details

Please review your order details

To change the quantity: type in the new quantity and select [UPDATE CART]. To remove an item: check the [Delete] box and then click [UPDATE CART].
 To request a quotation: select [FINAL CHECKOUT], proceed to the payment type selection form and select: Request Quote.

Product ID	Product Name	Item code	Quantity	Unit Price	Amount	Delete
81	Trendy Hair Dresser 	6	<input type="text" value="1"/>	\$1.99	\$1.99	<input type="checkbox"/>

Subtotal \$1.99
 Additional charges may be listed on the following pages.

[UPDATE CART](#)

Additional instructions

[FINAL CHECKOUT](#)

Technology



ServiceBox wanted Technozyme to develop the solution in DotNetNuke technology.

DotNetNuke is a web content management system (WCM or CMS) and application development framework which enables businesses to quickly build and deploy feature-rich, interactive web sites and applications in Microsoft .NET. An intuitive, menu-driven interface allows even non-technical users to easily create new sites or extend the functionality and features of their existing website.

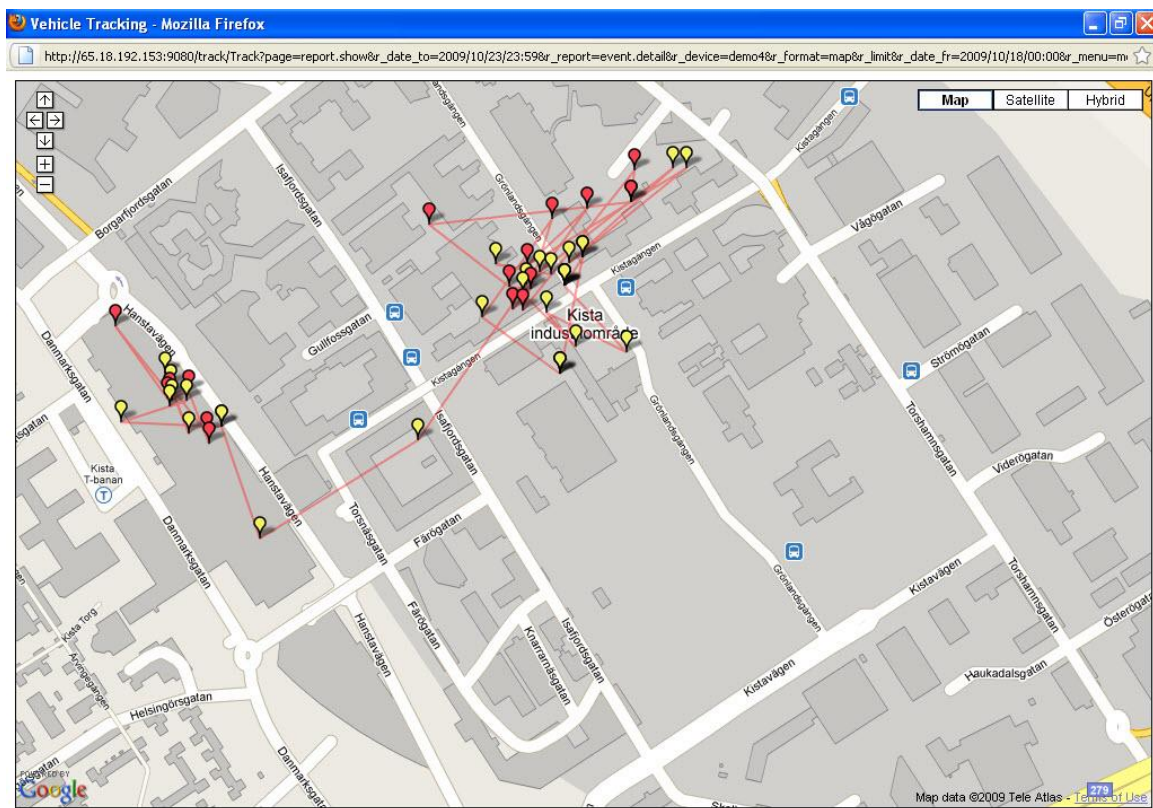
DotNetNuke is the world's most widely adopted framework for building web solutions on Microsoft Windows Server. DotNetNuke powers over 400,000 portals, intranets, extranets, and public web sites. An enthusiastic open source community with more than 700,000 registered members supports the platform.

Technozyme commitment and enthusiasm, saw the project successfully completed and delivered to the delight of the customer. Technozyme passion for Quality, was very instrumental in the building a long-time relationship with this customer.

Mecom Dubai – ABR Systems Mobile tracking

Technozyme developed a mobile tracking application for Mecom Dubai (ABR Systems) on the Symbian S60 3rd edition.

Mecom Dubai had a Vehicle Tracking system that used to track vehicles using GPS data and transmitting data via GPRS to a server system. Technozyme developed for Mecom Dubai (ABR Systems) a mobile tracking application. Using this application, administrative users could logon to the system and view their employee movements' real time on Maps.



Some of the features developed for the mobile application are as follows:

1. Real time tracking

This feature allows tracking a user real time. The phone application is installed on the Nokia Symbian S60 3rd Edition phone. The user has to launch the application and login to the application.

There are two types of users

- a. Regular user
- b. Administrative user

Regular workers are the users who have agreed to have their location tracked by installing the ABR SmarTrack application on their mobile phone. The user's location data is tracked for a minimum of 2 minutes and the latitude and longitude is fetched via GPS technology and using GPRS communicated to the ABR Server.

Regular users can only log into the application, and exit from the application. Admin users can login to the application and change the phone application settings. Some of the

settings that can be changed are

- I. the server information (example the IP address and the port to connect)
- II. the admin username and password
- III. the tracking frequency and other settings

2. Store and forward

Sometimes GPRS becomes expensive for users who have to connect to the server every 2 minutes. For those users in countries where GPRS is an expensive affair, we have a facility to store the location data in the phone and upload it manually when the user is in a specific network like a WLAN.

This way the overhead of expensive GPRS fees is done away with.

A user can upload the GPS data manually to the server. The user will be prompted to choose a preferred Internet Access Point (IAP) which the user can choose as the least expensive GPRS provider or WLAN if supported on the phone.

To invoke the Store and Forward feature, the user must change the settings on the Phone application, logged in as an Administrative and set the value for the Setting "Store and Forward" as Yes.

3. Auto Tracking

Sometimes it becomes necessary to track employees automatically without requiring them to initiate the tracking. For those kinds of users, we have an Auto Tracking functionality.

To invoke Auto Tracking, the Setting on the phone has to provide a value for “Not Tracking Days”

For example, to avoid tracking the user on their weekly day off, we specify the value for the Setting “Not Tracking Days” as sat, sun (when we do not want to track the user on Saturday or Sunday)

4. Auto upload

There are requirements when a user who is in Auto Tracking mode and is also on Store and Forward do not remember to upload their data to the server.

To cater to those categories of users, who cannot be relied upon to manually upload the data, the Auto Upload feature has been built in.

Using this feature, every day at a specified time in the Phone application settings, the data will be automatically uploaded to the server, using a predefined chosen Internet Access Point.

For details and more information, please contact

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