



Case Study

Mobile Application Development & Testing

Sonata Software Limited

www.sonata-software.com

Sonata develops applications for a leading provider of software solutions for accessing information on mobile devices

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The customer, a leading provider of end-to-end software solutions for accessing information on mobile devices, wanted to facilitate secure communication between mobile devices and enterprise applications. They also wanted their mobile e-mail client software to be tested against two operating systems – Symbian S60 and WM 6.0. Sonata developed three applications on Symbian S60 for the customer and also tested their mobile e-mail client software against Symbian S60 as well as WM 6.0.

Customer Profile

The customer is a leading provider of software solutions and services which enable users to access information on their mobile devices even on the move. The customer offers a choice of numerous supported mobile devices to users. With the customer's network-independent services, the users can select a connection of their choice to access information on their mobile devices. Through the client server, users can also access information from other systems.

Business Scenario

The customer's objective was to enable secure communication between mobile devices and enterprise applications. However, their engineering team was facing the following constraints in achieving this:

- Scarcity of skilled resources with expertise on mobile platforms such as Symbian, Windows Mobile (WM), etc.
- Lack of scalable development organization, to get to the market faster

The customer also wanted its mobile e-mail client software to be tested against two operating systems – Symbian S60 and WM 6.0.

Solution Delivered

To meet the customer's requirements, Sonata developed the following



SOLUTION OVERVIEW

Profile

Sonata Software, headquartered in Bangalore, India, is a leading IT consulting and services company. Sonata's customers are located across the US, Europe, Middle East and the Asia-Pacific region. Its portfolio of services includes IT Consulting, Product Engineering Services, Travel Solutions, Application Development, Application Management, Managed Testing, Business Intelligence, Infrastructure Management and Packaged Applications. As per the industry rankings released by NASSCOM for FY07-08, Sonata Software figured among the Top 20 IT Software and Service Exporters in India. Sonata Software has also been ranked global #2 in the 2008 Top Ten ESO: Outsourced Software Development in The Black Book of Outsourcing.

Website

www.sonata-software.com

Scenario

Development of Stock Client Application, Contact Management Application and Browser Controls for the customer, a major provider of software solutions that enable users to access information on their mobile devices.

Platforms /Technologies

- Carbide C++ v1.2 IDE
- Symbian S60 3rd Edition FP1 SDK
- WM 6.0

Benefits

- Quick ramp up of skilled personnel based on the business requirement
- Extensive testing coverage resulting in early product stabilization.
- Faster response time

applications on Symbian S60:

- Stock Client Application: Gives information on stocks, bonds and currencies.
- Contact Management Application: Allows users to maintain a list of contacts with their details. Also enables users to add, edit and update a contact's details.
- Browser Controls: Displays the customer's information in the form of HTML pages.

Sonata also provided QA services for the customer's mobile e-mail client software against Symbian S60 and WM 6.0. platforms. For this purpose, Sonata set up three servers:

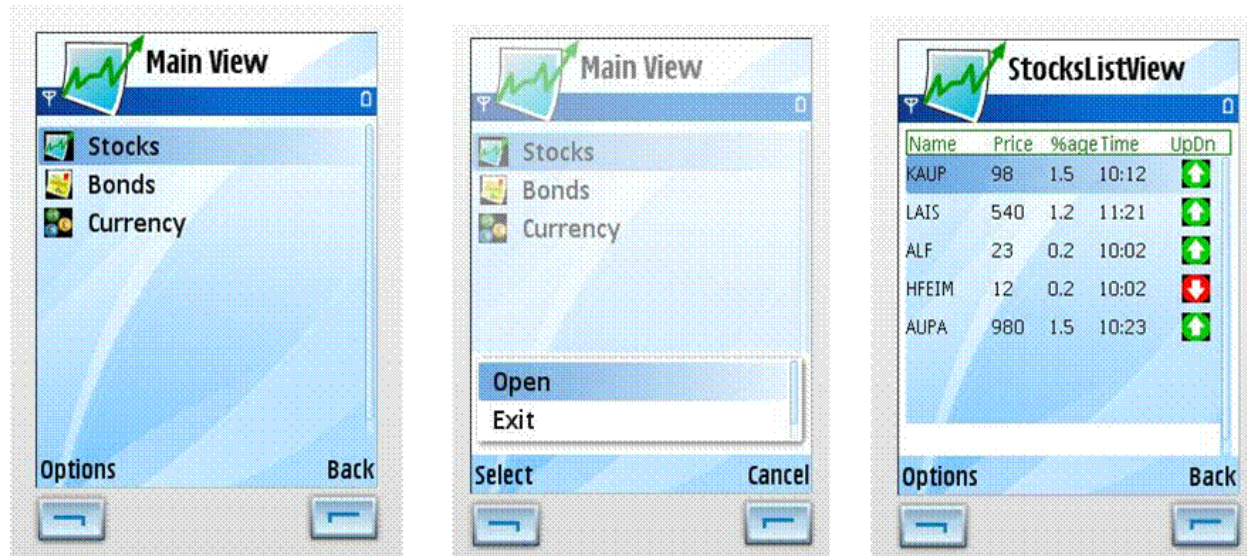
- Microsoft Exchange Server.
- Lotus Domino Server.
- CommuniGate Server.

Subsequently, Sonata tested the customer's mobile e-mail client software against Symbian S60 and WM 6.0 on all the three servers.

Sonata also wrote more than 600 test cases for Symbian S60 as well as WM 6.0 for QA of the customer's mobile e-mail client software. Then, Sonata executed the test cases and logged the defects.

Achievements:

- Knowledge acquisition of mobile e-mail client software in 03 weeks despite very less documentation on the product.



Tools & Technology

Sonata used the following tools and technologies to execute the project for the customer:

Carbide C++ v1.2 IDE
Symbian S60 3rd Edition FP1 SDK
WM 6.0

Business Benefits

Sonata helped the customer achieve the following business benefits:

- Quick ramp up of skilled personnel based on the business requirement
- Extensive testing coverage, leading to early product stabilization
- Faster response time leveraging the lead time advantage
- Testing of enterprise applications across mobile platforms that provided better test coverage and ensured high quality product release, which eventually resulted in enhanced satisfaction of the customer's end-customers.

For more information, contact info@sonata-software.com

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