

Product testing for order management system

Leading Provider of Electronic Trading Solutions

The Customer

The Customer is a leading provider of electronic trading solutions that connects market participants of more than 58 marketplaces in over 40 countries. One of their products is a NASD and SEC compliant, FIX-based, front-end Order Management System (OMS). The OMS product is a rule-based application that automates all the processes and delivers solutions for customer allocation and commission tracking. It electronically captures, manages, and routes equity order flow and offers Straight Through Processing (STP) solutions via custom, real-time, back, and middle office integration.

The Challenge

Being an Independent Software Vendor (ISV), the Customer realized that reliability and robustness were critical success factors for their OMS product. AgreeYa was contracted to test the OMS product and help developers launch defect-free versions. The challenges that AgreeYa confronted were:

- Provide a zero-defect product
- Leverage offshore testing capability
- Augment onsite testing team

- Quicker go-to-market

The Solution

The project scope included Functional Testing, Load Testing, Performance Testing, and Security Testing in addition to tasks such as: creation of test scripts, test bed set up, defect tracking and reporting. AgreeYa's approach and solution included the following:

- A dedicated team of testers was provided for comprehensive testing of the product through VPN access. Detailed test plan and test cases were created to deliver a zero-defect product.
- AgreeYa adopted its unique O³ (onsite-offsite-offshore) delivery model and utilized its offshore Global Delivery Center (GDC) in India for testing of the product, thus leveraging the offshore delivery capability.
- AgreeYa devised a detailed plan including a time overlap strategy for seamless communication and coordination between the onsite development team and offshore test engineers, to work as an extended team. Weekly status reporting ensured that stakeholders were always aware of the schedule, progress, risks, and issues.
- While development was done during day time,

testing was done during the night with respect to the OMS product's development location. This expedited the development process and resulted in quicker go-to-market for the Customer.

The Results

AgreeYa leveraged its strong product testing experience with similar complex, transactional systems; its competency with Compuware testing tools; and its knowledge of J2EE technology framework to deliver a zero-defect product and a reduced Total Cost of Ownership (TCO) for the Customer.

This is an ongoing project, and AgreeYa is currently in discussion with the Customer to increase the partnership into other areas such as product development and product management.

The Technology

The technology platform for the OMS product is J2EE, C\C++, Apache Web Server, and Tomcat Application Server.

CompuWare product suite was used for automated testing and BugZilla for defect management.

AgreeYa's Independent Software Testing Services

AgreeYa provides Independent Software Testing services based on CMMI Level 5 methodologies and processes for applications and products. We select tools and methods to match our customers' technical, budget, and schedule requirements, or use our customers' standard tools and processes.

With services ranging from single instance testing, comprehensive software quality assurance (SQA) process assessments to fully retained outsourcing of entire SQA and software testing functions, our test labs consistently deliver the technical and business predictability expected out of software applications and products. Our onsite-offsite-offshore model ensures round-the-clock testing providing the flexibility our customers need, and the Return on Investment (ROI) they expect.

We provide end-to-end testing services including planning, design, scripting, manual and automated testing, reporting, and analytics.

About AgreeYa Solutions

Founded in 1999, AgreeYa Solutions provides an industry leading blend of technology, business consulting, and outsourcing services to provide its customers with flexibility, agility, and expertise required to excel in today's business environment. Headquartered in Folsom, California and with its global operations from NOIDA, India, AgreeYa provides services to all major industry segments of the global economy, including consumer business, energy, health care, government, manufacturing, telecommunications, banking, and financial services.

AgreeYa has been providing high quality solutions and services to customers such as Acer, Alcoa, Allergan, Daimler Chrysler, Deloitte, Fujitsu, Gap, HP, Kaiser Permanente, Lucent, Mitsubishi, Nissan, State of California, State of North Carolina, State of Washington, and Verizon. For more information about AgreeYa Solutions, please visit <http://www.agreeya.com>.



Global Headquarters

605 Coolidge Dr.
Folsom, CA 95630
USA
Phone: (916) 294-0075
Toll-free: (800) AGREEYA
Fax: (866) 886-1555
Email: sales_americas@agreeya.com

Global Delivery Center

B-38 C/2, Sector-57
NOIDA - 201 301
India
Phone: +91 (120) 439-4400
Fax: +91 (120) 439-4444
Email: sales_asia@agreeya.com

Dubai Regional Office

PO Box 18318
Office LOB 1-G25
JAFZ, Dubai, UAE
Cell: +971 (50) 2400104
Phone: +971 (4) 8873711
Fax: +971 (4) 8873712
Email: sales_gulf@agreeya.com