

SOFTWARE **QA** SERVICES



## Enterprise QA Solutions

- Technology Powered
- Industry Diversified
- Excellence Driven

# SERVICES OVERVIEW

Software Testing overtime has emerged as a strategic function and it ensures that the software, application or system being developed improves and elevates the business's ability to execute. Successful testing calls for a more strategic and flexible approach to ensure that application meets both business and technical needs. We at Agama Solutions strongly believe that overall Quality Management is the correct way to achieve this and on-time software release, within budget and with agreed upon level of conformity.

Agama Solutions offers a combination of onsite consulting and domestic outsourcing model for specialist services spanning across entire software test life cycle. Agama Solutions has a dedicated Quality Centre of Excellence QCoE built by leading successfully the testing projects over the years with key Fortune 500 clients across various business domains.

## Some key differentiators setting our QA expertise apart are

- » Well-balanced and uncompromising in-house expertise in test methodologies, processes and standards.
- » Stringent compliance regulations conforming to the latest ISO 9000, CMMI and Six Sigma standards.
- » Work done correctly at the first time with reduced consumption of time, resources and overall cost.
- » Rigorous software requirement validation along with closed-loop traceability throughout the development lifecycle.
- » Core expertise in various testing skills across a variety of industry verticals. A unique blend of testing knowledge across industry verticals.
- » Strong workforce with practical understanding of agile methodology software development process along with other SDLCs.

# TESTING METHODOLOGY

Agama Solutions's testing methodology is geared to deliver results successfully for variety of business models and is driven by industry best practices, artifacts and aspects of modularity, reusability, and

## Requirements Analysis



- » Gather and analyze requirements from various sources such as client Business Analysts and reference documents such as BRD and FSDs.
- » Develop a clear understanding of all the requirements including functional, performance, system, operational, security, user interface and scalability.

## Test Planning



- » Build a strategy and an approach, finalize timelines, roles & responsibilities, test environment required and test architecture and framework.
- » Build test scenarios and test cases and document all the aspects in a formal test plan further used as a reference during entire test process.

## Test Execution



- » Business approves the documented test plan and test cases and the test teams start the testing process.
- » Our experts employ an optimum blend of manual and automation testing which maximizes the overall ROI.

## Defect Tracking & Management



- » Our testing team works towards identifying all major issues in the application and debugging them before they become failures.
- » The team uses a combination of proprietary and open source defect management tools to efficiently track and manage defects.

## Metrics & Reporting



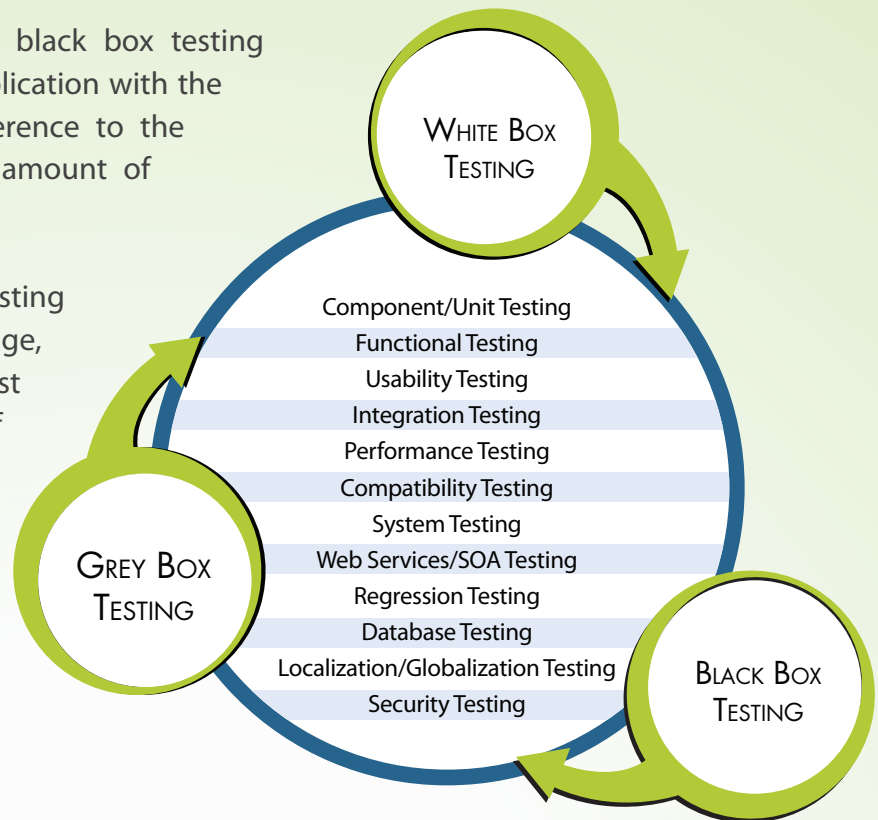
- » Customizable reports describing the overall execution status as well as defects. Customized HTML and XML reports that can be emailed as well.
- » Daily and weekly status updates along with formal status reports to ensure business team is updated about the progress and also that delivery timelines are met.

# TYPES OF TESTING

**Black Box Testing:** Agama Solutions's black box testing approach is geared towards testing the application with the end-user perspective without any interference to the code. We always use a mix of the right amount of manual and automation tools.

**White Box Testing:** Our white box testing strategy uses techniques like code coverage, statement coverage and flow coverage to test the code with the complete knowledge of the internal logic of the application.

**Grey Box Testing:** Most of our effort is focused on grey box testing with complete knowledge and access to the low level design of the application but with no interference to the actual code.



## TEST DELIVERABLES

- » **Test Plan and Test Cases:** The plan will outline thoroughly the test steps and the testing strategy. The test cases will help the team to effectively test the application.
- » **Test Scenarios & Test Cases:** Start with identifying all business scenarios and build detailed test scenarios and cases based on those for a complete coverage of all business aspects of the applications.
- » **Test Results and Error Reports:** These are the documented results of each test, and the problem reports provided to the developers during testing.
- » **Test Closure Sign-off:** This is signed by the project sponsor. This validates that the system, user documentation, and training guide have all matched the earlier defined requirements within close margins.

# TEST DELIVERABLES

- » **Production System:** The problems identified during testing are addressed and corrected in the development system, which is then used to create the production system.
- » **User Sign Off:** Customer approval, indicating they find the product delivered to their needs.
- » **Final Documentation and Training Materials:** Updated user documentation and training materials as finalized during the testing.

## TEST TOOLS

### Test Management

Zen by Agama Solutions (Force.com platform)

Bugzilla

Microsoft TFS

IBM Rational Test Manager

HP Quality Center

### Web Services Testing

Soap UI

Soap Scope

ITKO-LISA

### Mobile Testing

Device Anywhere Studio

MonkeyTalk

SilkMobile

Experitest's SeeTest

iPhoney

ADB

### Functional/Regression testing

Selenium RC

Selenium WebDriver

Test NG

JUnit

HP-QTP

### Performance Testing

JMeter

Soasta's Cloud Test

HP Load Runner

HP Performance Center

Neo Load

# INDUSTRIES SERVED

Our testing services are tailored for the specific needs of each industry, smartly enhancing the value of our clients. Our experience across the various industries helps us make critical decisions such as choosing tool sets and adhering to the highest quality assurance standards of each industry, market and sector. Whatever your industry, we help you deliver world-class products to your targeted users, enhancing your brand and business value.



## TESTING SERVICES ACROSS INDUSTRIES AND DOMAINS

# MOBILE TESTING

## AGAMA SOLUTIONS'S MOBILE TEST APPROACH



With the escalating importance of mobile applications and increasing scope of mobile-based systems, mobile application testing takes centre stage on the quality assurance front. Agama Solutions has an experienced team of testing experts that is well-versed in using the latest mobile environment-specific tools, emulators and real devices for mobile application testing. Our work reduces time to market for your mobile applications while ensuring that all participants using the application get the best functionality across the wide array of devices, operating systems, browsers and carriers.

# AGAMA SOLUTIONS

Agama Solutions is a "next generation" Enterprise IT services and solutions organization with a key focus in Cloud Services, Enterprise Collaboration and Quality Assurance services. Dedicated Centers of Excellence (CoE) for these practices enable us to solve toughest IT challenges with the latest tools, technologies, and industry best practices. We have long standing partnerships with Salesforce.com enabling us to implement various modules successfully and help enterprises benefit from the Force.com platform. We are also Microsoft Gold Certified Partners and we can deliver complex SharePoint implementations and also maximize the effectiveness of your enterprise portals.

## CONTACT AGAMA SOLUTIONS

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