Global Leaders in Software Testing & QA Service

BugRaptors
All Ways of Quality Always

http://www.bugraptors.com/

BugRaptors

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BugRaptors` Highlights

200+ efficient ISTQB certified testers

500+ satisfied clients worldwide

Mobile test lab supporting 100+ physical mobile devices

348190 Bugs reported

More than 500+ mobile apps and 252 websites are tested

More than 30% reduction in time-to -market of your products

Zero critical error leakage

Effective risk management

100% Flexibility

Client centric approach

Business Excellence

SERVICES

- Functional Testing
- Non-Functional Testing
- Automation Testing
- Test Consultation
- Process & Methodology

SOLUTIONS

- BR-Module Based Testing Framework
- BR-Library Architecture Testing Framework
- BR-Data Driven Testing Framework
- BR-Hybrid Testing Framework
- BR-Behavior Driven Development Framework

Business Excellence

- Healthcare Domain
- E-Commerce Domain
- Banking Domain
- Utilities Domain
- Telecommunication Domain
- Media Domain
- Insurance Domain
- Financial Domain

DOMAINS

- Microsoft
- Open Source
- HP
- IOS/Android/Windows Mobile
- IBM

TECHNOLOGY

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Our Services

Standard Testing
- Sanity Testing
- Functional Testing
- Integration Testing
- Usability Testing
- System Testing
- Acceptance Testing

01

Automated Testing
Automation ✔
Selenium, QTP/UFT, Selendroid, Appium,
Monkey Talk, Cucumber
Performance ✔
JMeter, Neoload, SoapUI
Build Management Tools ✔
Jenkins, Github, Maven, Apache Ant

02

Process & Methodology
- Test Planning & Estimation
- Test Management, Test Reporting
- Metrics Tracking Defect Management
- IEEE & CMMI Standards
- Iterative Test Cycle
- V Model & Agile Methodology

03

Specialized Testing
ERP Testing ✔
Product Testing ✔
Web Testing ✔
Mobile Apps Testing ✔
Desktop Apps Testing ✔
Security Testing ✔

04

Test Consultation
- Strategy & Approach
- Process & Governance
- Tool Feasibility
- Release & Environment Management
- Optimized Automation for Regression
- Scoping, Monitoring & Execution

05

Organization
Testing Skill Sets ✔
Independent QA Team ✔
SDLC QA Methodology ✔
Technical & Domain Knowledge ✔
Training & Certifications ✔
Resource Management ✔

06

Technologies

Microsoft

Open Source

HP

Blackberry/IOS
/Android/Windows/
Mobile

IBM

Selenium IDE &
Selenium WebDriver

TestNG

JUnit

Cucumber

Jenkins

Appium

Ranorex

Monkey Talk

JMeter

Behat

Asana

JIRA

Slack

Android SDK

Geny Motion

USABILITY

FEEL

USER

LOOK

ACCESSIBLE
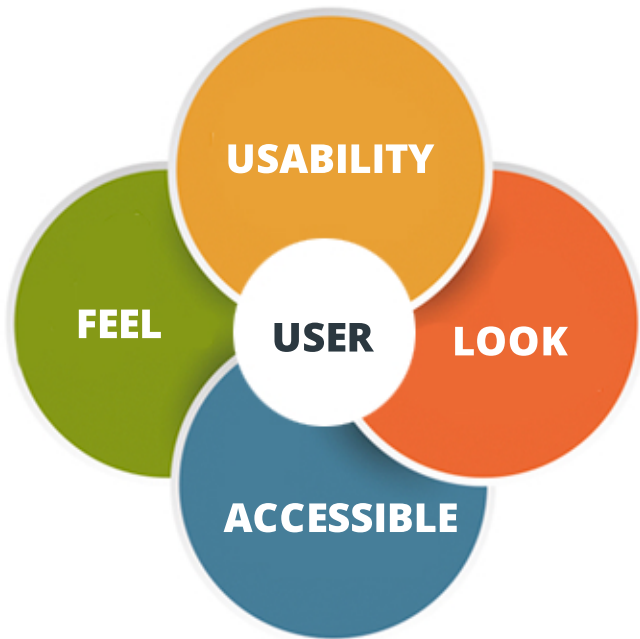
1 UsabilityTesting

- ☑ Ensure the system works as per the intended users, to make it more usable.
- ☑ Find out how satisfied participants will be with your web site or product.
- ☑ Verifies how fast & easily users are able to understand how system works.
- ☑ Value comes from getting as close as possible to what real people are doing with your product.
- ☑ Provide a richer understanding of how people with disabilities use the product.

2 Security Testing

- ☑ Dedicated and proficient security testing engineers.
- ☑ Ensure seamless functioning of an application by addressing all potential issues, especially mission-critical information.
- ☑ Testing in line with industry standards such as OWASP.
- ☑ We ensure that your database servers are protected & regular security audits are performed for your applications.
- ☑ Analysis of security quality, standard and capacity to oppose malicious access.
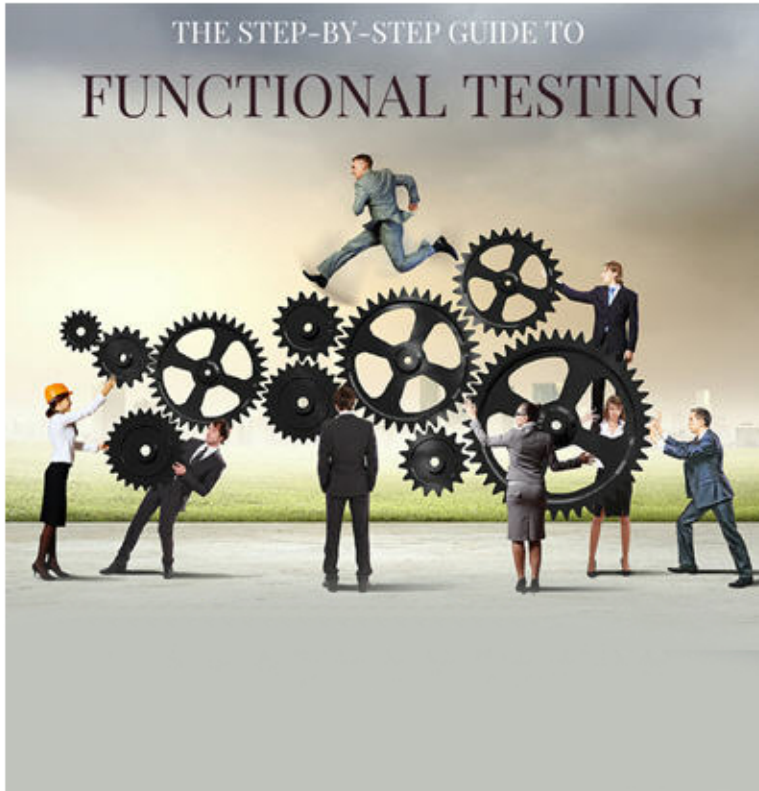
THE STEP-BY-STEP GUIDE TO
FUNCTIONAL TESTING

3 Functional Testing

- ☑ Domain expertise team having experience of testing 800+ applications.
- ☑ Effective manual functional test cycle with well-defined processes and test deliverables.
- ☑ Focused to improve the quality of the product while ensuring a cost-effective test cycle(s).
- ☑ We approach every job from a business user perspective, thereby ensuring that the system satisfies all user requirements.
- ☑ Our domain knowledge spans across Banking, Media & Entertainment, Telecom, ERP and so on which helps us to quickly understand the architecture of the core application as well as the interfaces.

4 Performance Testing

- ☑ Rigorous use of JMeter to develop frameworks for effective performance testing.
- ☑ Provide assistance to clients in testing normal and anticipated future load.
- ☑ Ensure applications meet all key performance requirements.
- ☑ Know your system capacity that how many concurrent users your system can deal with and what is the break point after which your systems performance degrades.
- ☑ We help you to predict application behavior and performance in a simulated real life environment, thus saving you from unpleasant events later which frustrate customers.

Load Testing | Stress Testing | Volume Testing | Volume Testing | Soak Testing | Scalability Testing

Performance Testing

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5 Mobile Testing

☑ Specialists in testing all types of mobile applications – native, web & hybrid on all major platforms i.e. iOS, Android and Windows.

☑ Trained pool of mobile testers with focus on functional as well as usability testing.

☑ We use innovative testing strategies and best practices to guarantee quality of mobile applications in a proficient way.

☑ Our dedicated Test Lab is stocked with the latest smartphones, tablets and devices which are used to test and troubleshoot mobile apps and websites.

6 Automation Testing

☑ A team of highly skilled Automation experts for web/mobile applications.

☑ Reliable, scalable, & maintainable framework.

☑ Reduced test cycle time by 70%.

☑ Our Rockstars help you to select the right Tool & Framework that fits your budget and suits your requirements.

☑ We provide test automation expertise and technology proficiency to boost client's productivity while reducing conversion efforts and risks associated with the transition.

Reduce time to market with Test automation

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Mobile Automation using Appium & TestNG

About The Company

UK based client wanted an application, which could track the driving behavior of the drivers. It would assist the vehicle owner to monitor the vehicles and drivers. Application would be smartphone driving application which could record each journey including Travel time, Travel distance, Video recording, Snapshots, Average and Top Speed. It had powerful accident management flow helped through what to do if anyone would be involved in an accident.

Challenges

- More than 1200 scenarios were to be executed for complete coverage of its functionality.

- Frequent updates were demanded by client, hence frequent regression cycles in the application.

- Application needed to be compatible with all devices available in market.

- Application was Cross platform. To test the apps manually, it took testers huge amount of time.

Solution

- Test coverage for error prone areas was increased. And test cases of these modules were executed first.

- BugRaptors, received consultancy from an accounting expert for accounting process.

- To cover all data migration risks,BugRaptors included Database testing in scope of testing.

- To ensure that all test cases are covered, requirement traceability matrix was maintained.

Benefits

- Accurate transaction results in accounting modules.

- Test cases updates and reusability increased thus saving time.

- Involvement of traceability matrix helped in test coverage thus reducing defect slippage and stable builds.

- Being ERP testing experts, feedbacks given by BugRaptors were gracefully accepted which inturn resulted in Client's Benefit.

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Performance Testing using JMeter

About The Company

The client is a leading application development and application service provider (ASP) in the domain of banking and finance. Application was a finance tracking application in which client wants to manage all his customer's financial activities and updates on web and mobile platforms.Client hired us to identify the application performance under different conditions and the behavior of the system on increasing possible number of users in future provided by client, so that necessary changes can be done at infrastructure or application level prior to moving the application in live environment.

Challenges

- ☑ It was hard to get each test's threshold even after number of iterations.

- ☑ Ajax requests and the scenario in which we have to create scripts was a challenge.

- ☑ Identify or predict the performance, bottlenecks that need to improve for expected load conditions.

- ☑ After running an iteration and identify next iteration's requirements based on different parameter was also a challenge

Solution

- ☑ Created a test strategy based on client requirement with custom framework.

- ☑ We used Test Script Recorder to trace Ajax request in the application and also used jUnit scripts by integrating WebDriver.

- ☑ Based on Report analysis, we recommended database fine tuning to client.

- ☑ Used "PerfMon Server Agent" to monitor server resource utilization e.g. CPU, RAM, Disk i/o and Network i/o.

Benefits

- ☑ Reduced risk and overall time for testing life cycle.

- ☑ Response time improved by 70%.Identified production server requirement based on performance data.

- ☑ Time and cost saving by performing test under tight deadlines.

- ☑ Representation of the response time, throughput, possible error % and server resource utilization of current infrastructure.

Real Estate Testing

About The Company

The client was a forward thinking entity who envisioned a website that would serve as a real estate marketplace. It was a Property Management ERP to cater automation needs of Real Estate. It was a product based on a SaaS model and was for other Property Management companies and individuals to manage their Residential and Commercial Properties. It includes Rent/Sell/Manage Properties along with their transactions, accounting information, general and financial Reports and payments. There was separate portal for various user types.

Challenges

As client already had existing multiple desktop applications, which were working independent of each other however he wanted a centralized system which solve the purpose of independent system.

- ☑ It was not easy to ensure all the existing functionalities and features are covered in the new system

- ☑ Being a real estate application, testing the whole functionality & features every time manually was very costly and time consuming.

- ☑ Ensuring the performance in the new system is faster as compared to the old one was also a challenge

- ☑ Testing lakhs of records in a set time frame became a tedious task. It was time taking to verify that all data of existing application is migrated correctly to new system under new environment.

Solution

- ☑ As the scope of application was vast, BugRaptors used RTM to cover-up the entire features and functionalities. Requirement traceability matrix was prepared which helped us in tracking the functionalities and test cases coverage.

- ☑ Being a SaaS based application and having vast modules we could foresee that regression testing would eat away our time. So, BugRaptors' started developing comprehensive automated regression test suites to increased reusability and maintainability.

- ☑ Data handling had become a challenge as the product had lakhs of records. Thus guaranteeing the reporting area with manual testing was a difficult task. To tackle the challenge Database Testing came into the picture.

- ☑ Data was migrated in the new framework, after that all existing as well as new data was compared in data base testing.

Benefits

- ☑ By using standardized accounting methodology the product delivered to the client was highly accurate in terms of financial calculations and transactions

- ☑ By using our results and feedbacks from load testing setup, development team fine-tuned their code which was causing performance issues resulting in increased performance.

- ☑ Being ERP testing experts, the suggestions and feedbacks given by Bugraptors were gracefully accepted which in turn resulted in client's benefit.

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01
DEDICATED TEAM

- Dedicated pool of resources
- Flexible team size
- Test lead assigned for all communication and team management
- Seamless knowledge transfer among team members
- Client controlled testing environment

02
TIME & MATERIAL

- Well defined scope analysis
- Client confirms the final team members
- Detailed and regular task sheets preparation
- Task progress and testing process analysis on daily basis
- Detailed time sheets released to client weekly/monthly
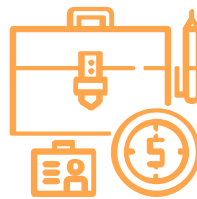
03
FIXED PRICE

- Scope is very well defined
- Detailed project analysis
- Testing efforts & costs estimation
- Direct influence of team expertise over costs
- Milestone wise invoice generation

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Perks of becoming our partner

☑ We deliver results by combining customer-centric business models, critical thinking and the ability to achieve customer's goal.

☑ We use proprietary frameworks as well as industry standard tools to provide innovative testing solutions to various applications built using emerging technologies.

☑ Experienced professionals help to make near perfect test estimation, better test design, implementation strategies and execution plans coupled with outstanding reporting mechanism.

☑ BugRaptors helps its customers to optimize quality, performance and availability of their software applications in cost and time effective way.

☑ Our Experts understand clients need and exceeds client's expectations with their outstanding sense of responsibility and delivery of quality work.

☑ We deliver 'business ready software' within compressed timelines using structured software testing methodologies, offshore delivery and test automation expertise.
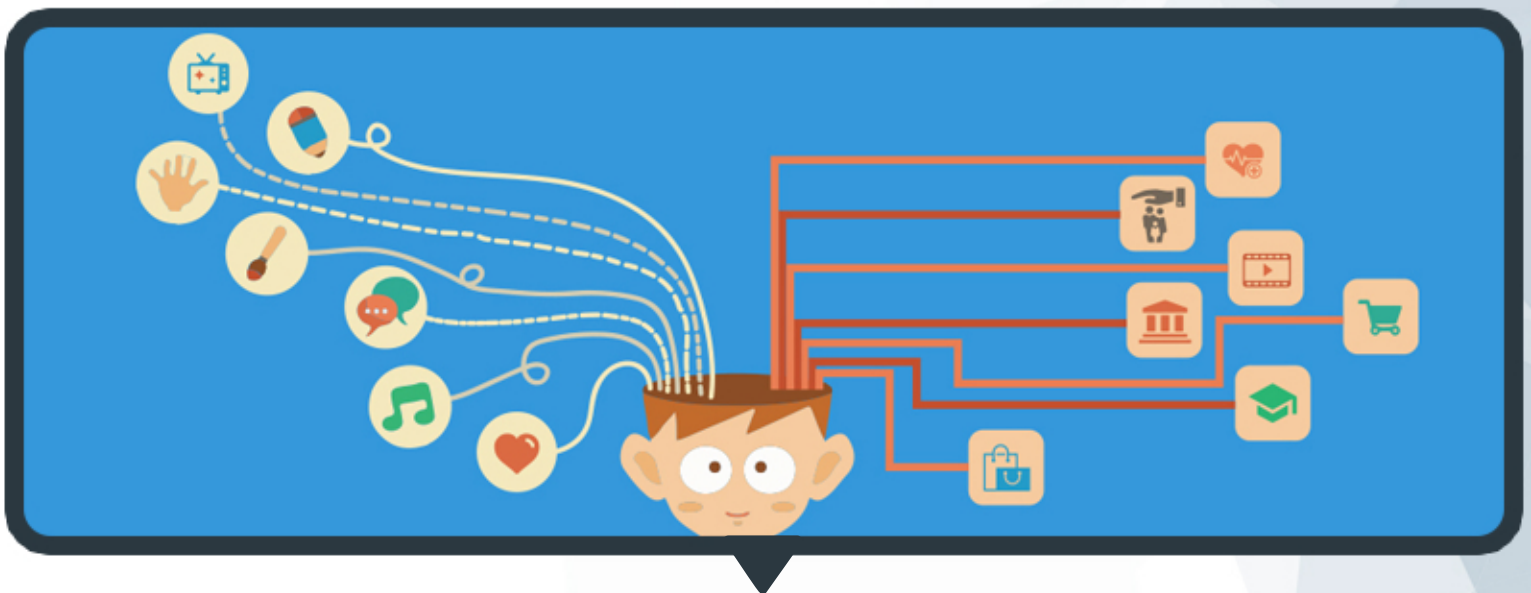
"Be a yardstick of quality. Some people aren't used to an environment where excellence is expected."
— *Steve Jobs*

We are better…!!

1. **Highly skilled automation experts and certified testing professionals**

2. **Proven experience in testing complex and highly mission critical applications**

3. **Reliable, scalable & maintainable automation frameworks**

4. **Improved efficiency, shorter test cycles and increased test coverage by automation testing**

5. **Effective testing methodologies**

6. **Results and solution-driven approach**

7. **Wide choice of physical devices**

8. **Loyal partners**

9. **On-time delivery**

10. **Transparency in process and communication**

11. **Real time collaboration with clients**

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Thank you!