

QUALITIMES

A quality that does not change with times

EDITOR'S CHOICE...

Charanjeet S Minhas

HOLI

What distinguishes a song from a poem? In most cases both rhyme, have strong emotional overtones; either are used to reach out to multitudes. The big separator is music; it makes a song entertaining, evocative, melodious and memorable. A song lyric conveys its power through music and sound. Lyrical images, descriptive phrases need to connect with the ear, as well as the brain. Music makes the verses lyrics and likable!

No surprise then, we know today's songs but who amidst us knows anything about today's poems!! The ones we ever read or had to read were at least decades old if not centuries. Keats, or other of his kind like Tennyson knew very well that "old order changeth, yielding place to new" and therefore picked up appropriate times for their birth. Were they late, they would have sat on the couch and just heard Miley Cyrus or Justin Bieber.

Like music is color; versatile and powerful. Anything festive has to have color. Word 'colorful' is synonymous with happiness, positiveness, excellence, brightness, and so on. Value of the color can be valued from the fact that it is used in many forms to heal and aid the sick, diseased and the distressed. Chromotherapy is all about treatment of diseases by color.

The vitality of culture in India is far from easy to discern. Then, there is 'festival of colors' Holi which showcases the richness of its legacy in a simple and joyous way. There are many legends attached to its origin. One of them is "...the lovable prank of Krishna where he applied color on Radha and other gopis using water jets called pichkaris gained acceptance and popularity. So much so that it evolved as a tradition and later a full-fledged festival".

Without ruling out the possibility of ignorance, if I were to name a full-fledged festival in India that is not Holy, I will say HOLI.

Khoob malo te khoob adhao raang
 Holi kahe rahe tuhada har pal rango raang
 'Chan Daroli wale' di raab kolen eho maang
 Rangeliyan te raang sada rahen tuhade saang

(smear and splash colors
 In your every moment, Holi wants colors
 'Chan Daroli Wale' asks only this in prayer
 Let colorfulness and colors always take your care)

March 2011

Volume 1, Issue 6

Editorial Panel:

- Sunmeet S
- Venu M
- Prachi P

(Want to be a part of the panel - Forward your interest to "qualitimes@qualitreeinc.com")

Best wishes to everybody for a Holi filled with sweet moments and memories to cherish for long.

!!Have a fun filled Holi!!

Inside this Issue

SOA Testing - Approach and Challenges	2
In God's own country	3
Spot Me!!	2
Its Punches, pulls and bumps time	3
Jumble Times	3
Buzz of the Month	4
Word Puzzle	4

[Has anything to share - We are all ears!! Please send in your articles to: qualitimes@qualitreeinc.com]

SOA Testing

Part 3 - The Test Approach and Challenges

Rajnish Mehta

Test Approach

Traditional software testing that focused on code-level testing has evolved with Distributed and Web Service architectures. In traditional Web application testing, we do the functional test from UI. With SOA, the need to test the business logic still exists; however, many SOA services will not have a user interface, which is a challenge.

Some of the new SOA Testing challenges are:

- Services that do not have a user interface
- Data driven business logic within services
- External services to the organization
- When defect occurs in SOA, hard to detect if it at Application Layer or at Integration Layer
- Large investments on regression testing,
- Predicting the future usage of services to assist with performance, load, stress, scalability
- As your SOA evolves, security testing will have a higher priority and needs to be tested throughout the test phase

Function test and performance test approach is very different for SOA compared to traditional test approach.

In SOA, Services developed by different team a used by different. For example one web service can be called from several different application and projects. IN SOA testing Tester must have a architectural knowledge of system so that test strategy can be written to cover all aspect of application under test.

In SOA, application logic is in the middle-tier, operating within numerous technologies, residing outside the department, or even outside the company.

Test strategy for SOA should cover the application from application layer as well as Integration layer. There must be robust test scenario written to cover testing for Web Services (WSDL/SOAP). We need to make sure that testing of transaction at messaging layer. We need to make sure that the right entry being reflected in the database. Function test and performance test approach is very different for SOA compared to traditional test approach.

SOA Testing – Challenges

It is very important for test team to know the SOA testing challenges in order to deliver the defect free product. We should know how different the test approach should be from the testing of other traditional system architecture. SOA applications are composed of loosely coupled, business-level services, distributed over a network, we must test the application:

- end-to-end
- service-by-service
- and interface-by-interface

We need to trust SOA services in the following areas, but we may not control the testing

- Functionality
 - API
 - Interoperability/Integration
- Publish, Find and Bind
- Security
- Performance

Functional Testing Challenges

The overall functionality of SOA applications should be easier to test. That is only if all component of SOA is thoroughly tested. If SOA testing approach has not been taken correctly then In the real world it is so common to see the defect responsibility jumping from one team to others in defect triage meeting. Question is so common, who owns the defect Application layer or Integration layer? This leads to prolong defect fix time since the possibility of defect origin could be several area.

Starting with lower-defect components typically means a smoother testing process but SOA applications generally have an increased number of APIs (one for each service) communication paths between those services. There is an increased level of integration and interoperability testing that must be performed. It is important but complex for test team to put in strategy that which team is responsible for testing? Service provider or service requester?

(To be continued...)

In the God's own country

I would like to share my Kerala trip experiences with all of you. Last month we were on a vacation in Kerala – one of the most beautiful states in India. Kerala is also globally famous for various tourist destinations. Cochin, Munnar, Periyar and Alleppey were the destinations of our tour package. The package fulfilled our desires to explore beaches, backwaters, hill stations, wildlife etc.. Our fun-filled journey started from Bangalore via Cochin to the favorite spots of Kerala . The first stop was at beautiful and enchanting Munnar. We really enjoyed visiting Munnar, although the stop was short one. It is one of the most popular and beautiful hill stations in India. It is also very popular destination of Kerala for honeymoon tour. It is gifted with exceptional nature’s beauty. We captured several beautiful memories of Munnar in our cameras. We also visited Munnar tea gardens. Next we arrived at Periyar to visit famous Periyar Wildlife Sanctuary and Tiger Reserve. We enjoyed boat cruise at Periyar Lake as it gave us the opportunity to view the attractions of wildlife sanctuary.



After Periyar, our journey embarked towards serene Alleppey. Our tour at Alleppey was for two days. We explored the beautiful landscapes in and around Alleppey. Alleppey is basically famous for scenic backwaters so we had spent our days exploring the breathtaking backwaters. On the last day at Alleppey we had a stay in a houseboat. The stay in the houseboat was a very delightful experience. Next day houseboat took us to Cochin. For shopaholics like us, Cochin was heaven, we did not spare a single store and probably made the best bargains. After a farewell party all of us went to the railway station to leave for Bangalore. Overall, It was very delightful experience of tour to Kerala, God’s Own Country.

(.....Ashvini H)

Punches, pulls and bumps!!

- Mar 8 - Melwin T
- Mar 15 - Syam M
- Mar 25 - Sumanthu G
- Mar 25 - Pranend M
- Mar 29 - Sumeet M
- Mar 30 - Vikram K

Answers to last months Jumble:

VERTEX, TRACE / REACT , HYBRID, NIBBLE

Last Month's Winner: **Amit C**

Other correct entries: Srikanth K, Praneeth K, Hari K, Vinod K, Rakhee S, Badal S

!!! SPOT ME !!!



Ah - ha!! Even Lady Gaga cannot steal attention

The cake looks **Yummm...** Certainly Surinder wants to have it all !!!



JUMBLE

LDIMEAC

PEOCIML

ZTOMIPE

MANDCYI

This months Jumble is contributed by Shruti B

Participate and win; the first correct entry wins a gift of \$10.00*. Send in your completed entries to: jumble_qualitimes@qualitreeinc.com



Plot 220&221, Jigani Bommasandra Link Road
 Bangalore - Karnataka
 India - 562105
 Ph: +91 8027 839215

18 Shea Way, Suite 101
 Newark - DE
 USA - 19713
 Ph: +1 302 709 5900

1699 Wall Street Mount
 Prospect - IL USA - 60056
 Ph: +1 847 640 8448

45 Bramalea Road
 Suite 208
 Brampton - Ontario
 Canada - L6T2W4
 Ph: +1 647 428 4470

A - 47 New Amritsar G.T
 Road
 Amritsar - Punjab
 India - 143006
 Ph: +91 183 2700055

www.qualitreeinc.com

BUZZ OF THE MONTH

- Abbas M takes over as the prime face for the major PDA application development team serving a major telecom client in the Qubec province of Canada.
- A proof of concept is in full swing for one of the major Insurance client in the Ontario province of Canada.
- Successfully completed one iteration of iPhone application testing for a major telecom client.
- An emerging retail bank and a financial services provider from the United States takes interest in "Cross Browser Testing" services from Qualitree's offshore testing center.
- A healthcare client in Burlington makes evident his liking for our quality onshore and offshore services by inking an extension for another twelve months.
- A telecom company with a major strength in providing VOIP solutions and services is in thick talks with us for procuring a high end enterprise solution.

Eternal Love

When I was a boy
 Grazing cattle
 Cultivating paddy
 Harvesting wheat
 Dreaming her was the only joy

Went years, life yet surreal
 Wind was dancing
 Water was clapping
 Crops were melodious
 In all this was her feel

Ticking of moments shook me awake
 She was nowhere
 I was alone
 Time was owed
 Why heart still thinks of her, for whose sake?

Then one day I died
 There were no demons
 There were no angels
 This was the end
 Only she was by my side

Answers to last month's
 Word Puzzle:

- AROMA
- TROUT
- THRIFT
- OREGANO
- TYPIST

Last month's winner:
Prahjot B

Other correct entries:

- * Srinivasa R
- * Srikanth K
- * Robert M
- * Praneeth K
- * Vinod K
- * Sarah J
- * Abhishek S
- * Rakhee S
- * Parthive Z
- * Badal S
- * Rajesh R
- * Shashank K

Word Puzzle

In the following word puzzles, a word starts and ends with the same letter.
 Figure out the words and win*

1	_ A P T O _	
2	_ U M M _	
3	_ V E R D _	
4	_ O T A T O _	
5	_ A R D I A _	

* Send in your entries to "qualitimes@qualitreeinc.com" with the subject "Word Puzzle"
 The first correct entry wins a gift of \$10.00