

QUALITIMES

A QUALITY THAT DOES NOT CHANGE WITH TIMES

EDITOR'S CHOICE...

Charanjeet S Minhas

History

History is largely and predominantly a record of Human saga. It lays out sagacities as well as follies of the times, individuals, groups, communities, kingdoms, countries and so on. A powerful subject that often is treated under par; it does not get its right priority in educational institutions as well as formal educational years of students.

However a keen mind can easily unravel the fact that all great men- be they gigantic leaders, military strategists, inspirational religious gurus, or for that matter a towering personality in any field- not only contribute to and funnel the shape of history; more often than not are avid students of it. Especially important is this for those who believe in learning from others' mistakes. Even for those who wish not to repeat their own follies!

It can be very effectively argued that most devastating catastrophes or holocausts could have been avoided, had the powers that be were learners of/from history. All the challenges that any human being can prepare to overcome or conquer are invariably inspired by history. No wonder then that it is not only a great teacher but also source of happiness of equal measure.

Yuri Gagarin was first one to go to space; Neil Armstrong was the first to go on moon, and Edmund Hillary and Tenzing Norgay were first humans to set foot on Mount Everest. Usain Bolt is the fastest man on earth so far. These great achievers would not have had the honor of accomplishment and the privilege of gaiety associated with it, had there been no history!

At Qualitree, we respect and love it so much for all the reasons above that we want to create one. We know, it is arduous journey and requires many things like indomitable spirit. Once again it is history that readers of morrow years will read and see that we had them!!!

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"Any fool can make history but it takes a genius to write it" – Oscar Wilde

Nathuram Godse created history; Hitler did, and so did English demons by hanging the trio of Bhagat Singh, Sukhdev and Rajguru. But it takes a very enlightened mind to be able to write it as it happened without bias or malice towards none.

SOA Testing - Services and Methodology

Rajnish Mehta

What are Services?

Services are the foundation key building blocks of SOA. It is essential, therefore, to understand the precise meaning of "service" in SOA. A service provides an implementation of a distinct business or infrastructure function designed in a way that maximizes flexibility and reuse. Services can be categorized according to scope (the granularity or level of abstraction of business functionality provided) and purpose (software, infrastructure or business). Below are some examples of different categories of service to illustrate the scope of service implementations.

Business process services

A business process represents a sequence of activities that accomplish a business goal. Such a process can be represented as a service. For example, the process for applying for a loan at a bank can be represented as a business process service. Some more examples of business process service are createStockOrder, reconcileAccount, renewPolicy.

Business transaction services

Business transaction services represent business functions that change the state of the business in some way, such as by procuring materials or services from a supplier, or by recording a new transaction on behalf of a client. Such services might include orderStock or transferFunds.

Technical function services

These are services that are reusable, but that do not provide business functions; rather, they provide the technical or infrastructure functions required to support service interactions in IT systems, such as auditEvent, checkUserPassword, or checkUserAuthorization.

SOA Test Methodology

Test phases such as design, analysis, planning and execution must happen throughout the entire SOA project life cycle. The V-Model is a suitable test methodology that enforces testing discipline throughout the project life cycle. The project starts with defining the Business User Requirements. The V-Model would recommend that the Business Acceptance Test Criteria for these defined requirements are defined and agreed before moving to the start of the technical design phase. Before moving to the next phase/level of technical design, the model recommends test criteria defined for that level of technical requirements, and so on. The V-Model is simply encouraging the project team to continually determine how they would successfully test the project deliverables.

The V-Model is a suitable test methodology to deliver SOA projects for the following reasons:

- * It encourages a top-down approach with respect to defining the business process requirements, high-level functional technical design, security etc..
- * It then encourages a bottom-up test approach – test individual functions within a service, test an individual service then test a composite set of services through to testing an integrated process and finally testing a complete business system. SOA is 'loosely' coupled services and that is why a bottom up test approach is recommended.
- * The levels reflect different viewpoints of testing on different levels of detail.
- * The V-model encourages testing throughout the entire Software Development Life Cycle.

(Rajnish is a Senior Test Architect with a vision of setting up the SOA testing's center of excellence. He has also authored many publications and whitepapers on SOA and various other software testing techniques.)

SOA is "a way of designing and implementing enterprise applications that deals with the intercommunication of loosely coupled, coarse grained (business level), reusable artifacts (services) that are accessed through well-defined, platform independent, interface contracts."

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Business function services

Business function services represent business functions that return data or perform simple calculations, but do not by themselves change the state of the business. Such services might include CalculateDollarValueFromYen or getStockPrice.



**Saying "NO" to Swine;
"YES" to "Wine, Dine & Shine"**

**When the going gets tough,
the tough don't get FLU!!!!**

Team Qualitree all set and geared up to fight against the FLU season. A FLU immunization session was organized with the help of Zydus Cadilla at Qualitree's Bangalore campus.

*Punches, pulls
and bumps!!*

- Feb 4 - Srinivasa P
- Feb 10 - Subramanyam
- Feb 11 - Mayank R
- Feb 13 - Sunmeet S
- Feb 23 - Srinath P
- Feb 24 - Shital V
- Feb 26 - Atul K
- Feb 26 - Pallavi V

**Qualifiers QUEST
QUEST Qualifies**

Like all good things, January cricket season came to an end with the win for QUEST on Republic Day. The cricket season was a huge success in terms of providing quality cricket, keen contests and excitement. But striking feature was the series tally 6-1, which clearly indicates the dominance of QUEST over Qualifiers.

If we look back into the series it reminds of a good opening stand by Bharath & Shah Sir, an all-round performances by Naresh & Uday, Srikanth's pyrotechnic & clueless fast bowling, Vinod & Amit's spin spells which made batsmen dance on the pitch, Rohan's wicket keeping, Praneeth's die-hard fielding, Venu sir as victim of Paaji's words, Shah Sir's first hat-trick in Qualitree cricket history & last Rajat's quick witted words on the ground like "pressure-pressure". These were the some glimpses of this January cricket season which we will cherish.

- Rajat Rastogi



Standing (L-R): Bharath R, Amit K, Naresh K, Atul K, Praneeth K, Pritpal S, Venu M, Rohan P
Sitting (L-R): Sreekanth M, Hari K, Uday K, Konda S, Vinod K, Rajat R



Tum Jiyo 1000's Saal

JUMBLE

EXTRVE ○○○○○○

CARET ○○○○○○

DRYHIB ○○○○○○

BILBEN ○○○○○○

Answers to last month's jumble— PSEUDO; BAYSIAN; EXPLICIT; SCRUM
Last month's winner : Harry M
Other correct entries: Abhishek A, Michael G, Vijayshree P

Participate and win; the first correct entry wins a gift of \$10.00*.
Send in your completed entries to:
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BUZZ OF THE MONTH

- Gagandeep Kaur and Madhukar Gundurao join the steaming sales wagon. *It just seems that the bill is filled.* Amit Limaye joins the technical wagon.
- One of the prestigious BMS client from Canada decides to strengthen its relationship with Qualitree, Canada with testing of their signature products. The first phase would be a proof of concept phase for testing one product followed by their complete suite of products.
- Another online business optimization product developer chooses Qualitree as their prospective testing partner. The scope of the assignment will be evaluated via a PoC first.
- One of the largest retail bank and a financial services provider in the Unites States, which had been dormant for couple of years, has shown dramatic interest in the Resource Augmentation in the last months. With the number of recruitments in the last month and the projections for future, this surely would be a delight.



After a successful sales cycle at TCS, Qualitree organizes a “**Knowledge Transfer**” workshop to help the optimal utilization of the TTCN-3 technology and the TT workbench tool. The workshop was facilitated by **Prabhjot S Bal**. Prabhjot is one of the few TTCN – 3 certified champions known. The December batch of graduates were fortunate to have Prabhjot as their mentor. As one of the associates candidly appreciated in her feedback – “*This is one of the most useful TTCN-3 workshops that I have ever attended. This has given me a completely different insight of the capabilities of the TTCN-3 technology*”.

Word Puzzle

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

1	_ R O M _	
2	_ R O U _	
3	_ H R I F _	
4	_ R E G A N _	
5	_ Y P I S _	

* Send in your entries to “qualitimes@qualitreeinc.com” with the subject “Word Puzzle”

The first correct entry wins a gift of \$10.00