

# QUALITIMES

A QUALITY THAT DOES NOT CHANGE WITH TIMES

Volume 2 Issue 1

October 2011

## EDITOR'S CHOICE...

### Happy First Birthday

Charanjeet S Minhas

Who has ever seen writing in the 'wonders of the world' lists? No one! To be honest with you, I don't have the slightest idea, why is it that way? Those of you reading this while answering nature's call- that is where most of the voluntary reading of the day gets done according to a survey- may find it constipating to invest time thinking over it, hence discard it. While others may deem it unworthy of thought since, ostensibly, there is no return on this thinking investment.

The first anniversary occasion of the QUALITIMES is when I first ever thought about it myself. Writing was invented a few millenniums back and most believe in Mesopotamia. Since then it has been a great enabling skill/art/tool for individuals, families, groups, teams, leagues, and nations. Today's information world owes its genesis to writing. Imagine the world around you without writing. What would be the state of science, religion, history, sports, medicine, business, entertainment, etc as compared to how we know them today? Of course there will be no Face Book or Google or You Tube! Wonder what would have likes of Tulsidas, Shakespeare, Ved Vyas, Balmiki, & Khushwant Singh done if writing was non-existent.

All those who write, for sure, know that it compels one to think and expend intelligence on much higher level as compared to just speaking. No doubt then that the great writers are always great thinkers also. On behalf of QUALITIMES, I thank all those who have contributed to one or more of its last twelve issues and/or to this special celebration issue. A great initiative to facilitate communication, creativity and companionship in QUALITREE family has come this far only and only because of the tenacity of its chief editor Sunmeet. I have written in almost all the issues not because of any other reason but only because it was so difficult to say no looking at his selfless passion and unscratchable passion for it. I hope he intends to let the lucky lady, whoever gets the honor, know about the co-wife!


#### Editorial Panel

- Prachi P
- Sunmeet S
- Venu M

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


#### Inside this issue:

C.E.O Speak	2
Patron Prophecy	2
QUEST 3 for Page 3	3
Avani -A sacred Paradise	3
Jumble Times	3
Get Up Rohan	4
US Economy	5
Leader's Ladder	6
Mission Ambition	6
Web Application testing	7
Buzz of the Year	8
Word Puzzle	8


 I feel honored to be a Qualifier and writing on this occasion of the first anniversary of Qualitimes. I have seen Qualitree grow, seen it sail through the good and bad times. And, we have achieved this only due to our great "Teamwork". A good team environment is a catalyst that boosts the entire performance; however, the mantra lies in the old prodigy that all share one vision and focus on the "WE" than "ME"!!

All I have to say is to keep the team spirit and stay focused; success is just around the corner!!

**(Parthiv Zaveri)**

 On this important occasion, I would like to congratulate and convey my sincere thanks to all my colleagues who are stretching themselves hard towards achieving the Company goals and at times by sacrificing their personal time. Trust me; if we continue our efforts with same commitment, dedication and energy levels, the day we reach our goals is not too far.

**(Prasad Madineni)**

 On this important anniversary of Qualitimes, I would like to thank all Qualifiers and other contributors for their inestimable support sans which it would not have come this far.

My dear Qualifiers, it is my earnest wish that we keep this platform vibrant and pulsating and celebrate many more anniversaries together.

**(Sunmeet S Sethi)**



### C.E.O. Speak ...

**Subrat Patra**


This four letter word- WILL- helps taste accomplishment. While we all wish to achieve a lot but more often than not surrender. According to me Will of all successful should read "WILL will always be the food for hungry desires!"

Just last month a few of us went trekking in the melodious terrains of Ladakh. The altitude demanded 2 days of acclimatization before one could begin the trek. Having spent the 1st day we were excited enough

to begin the trek on the very next day and thus started our journey by vehicle to Chiling (the starting point of our trek), unaware of the surprises in store for us. And the first one hit us 19 kms before Chiling where we found the bridge under repair. The challenges we faced ahead were even more uphill and not always proportional to the steep of the slope. While a teammate gave up en-route, rest of us were nursing blisters and sore, very sore, bodies, especially limbs. To be succinct, it was only because of WILL and nothing else that I reached the destination.


Qualitimes is a case in point for all of us. It is the sheer WILL of Sunmeet that we are celebrating its anniversary. He alone must have done much more work in the last 12 issues than all of us put together. Three cheers to WILL and congratulations to Qualitimes on its first of many anniversaries to come!!!!

## Patrons Prophecy

 Qualitimes manifests the creative continuity that the resources of this company have always contributed along with admirable tenacity and penchant punctuality.

I wish the company and all the readers of Qualitimes a very happy anniversary.

**Robert Brodrecht; Senior QA Manager, TruePosition Inc.**

 I would like to congratulate Tekstrom / Qualitree on their endeavor to enlighten everybody – employees, clients & partners. Not only are you guys maintaining a transparency but are equally doing a great job for us. We appreciate all the efforts your employees undertake to ensure we reach our software test automation goals. All the Best.

**Arun Rele; President, ABELSoft Inc.**

 On behalf of Media 5 Corporation, I wish to congratulate Tekstrom / Qualitree from coming out with such an impressive Newsletter. I look forward to read the same – month after month. I also wish to thank you for the great job you are doing for Media 5. Keep it up!. All the Best for the Anniversary Issue.

**Mohammed Arezki; Director Technology, Media 5 Inc.**

**PAGE 3**

**QUEST 3 for Page 3**

**This is just a beginning**



**FRONT - FRONT SEE, What 's going to happen !!**

On being qualified to be a part of the esteemed group of Qualifiers, Qualitimes welcomes and wishes you all a great and a successful career !!

(L-R): Rakesh, Sujin, Subhadra, Rajendra, Satyajit, Karimulla, Prabhakaran, Brajesh, Devaraj, Naveen, Naresh,

**Punches, pulls and bumps!!**

- Oct 1 - Abhishek S
- Oct 4 - Anil K
- Oct 6 - Parthiv Z
- Oct 7 - Gurpuran S
- Oct 8 - Sumit K
- Oct 8 - Shashank
- Oct 9 - Ria J
- Oct 20 - Mona D
- Oct 23 - Devraj K
- Oct 30 - Kiran T
- Oct 30 - Naresh G
- Oct 30 - Pritpal S

**"AVANI" - A SACRED PARADISE**

It was not long when I visited "Avani" with my friends and family. "Avani" is not only a popular rock climbing location famous for its dreaded cliffs; the sacrosanct "Sita" temple on the top of the hills is just a jewel. This temple is one of the very few sacred shrines dedicated to "Sita Devi – wife of Lord Rama" in India. It is the Gaya of South India with the ancient shrines of Ramalingeshwara, Lakshmaneshwara, Bharateshwara and Shatruganeshwarama magnificently preserved from the periods of Nolamba dynasty. It also gains its significance as it is said that "Sita Devi" gave birth to her twin sons "Lava & Kusha" in this holy city of "Avani". The legendary war between Lord Rama and his sons "Lava & Kusha" is also said to have been fought in this village.

*(Srinivasa Uday Kumar)*



**!! YAA - HOO !!**



**JUMBLE**

VCEORS	○ ○ ○ ○ ○ ○ ○ ○
WOTYAU	○ ○ ○ ○ ○ ○ ○ ○
NOMADI	○ ○ ○ ○ ○ ○ ○ ○
BRICSE	○ ○ ○ ○ ○ ○ ○ ○

Participate and win; the first correct entry wins a gift of \$10.00\*.

Send in your completed entries to: [jumble\\_qualitimes@qualitreeinc.com](mailto:jumble_qualitimes@qualitreeinc.com)



And Parthive says that he is **“Acrophobic”**! Well, we don't think so !!



A volley ball game a day keeps my pressure away !! Bangalore Qualifiers taking a break from their schedules and trying their hands at a volleyball game. It 's one of their routine after work activity !



Vipin, Rakhee, Prasad, Gurnam , Charanjeet and Sunmeet celebrating Gurnam's birthday in September. Qualitimes wishes him many more returns of the day!



### GET UP Rohan !!!!!

Jaago - jaago - jaago; Subah ho gayi; jaldi jaldi cake kaato, candle bhi choti ho gayi !!!

On behalf of all its readers, Qualitimes wish you many more years of happiness, health and prosperity.

Answers to last month's Jumble:

- GOPHER
- CACHE
- COOKIE
- FINGER

**Last Month's Winner:**

**Amit C**

Other correct entries:

- Srikanth K, Atul K, Jean S,
- Minal D, Abhay L, Kishore K,
- Devraj K, Rakesh B



Sweetheart, I am sorry! They are just shipping one bug this release. You and the kids can join me in Service Pack 1.

# US Economy U or S

## Harneke Minhas

We are all asking this important question to ourselves in order to explain the current moribund state of the US economy and no easy answers come to mind. Ever since the economic crash of 2007 – 2008 led by the sharp downturn in housing, everyone was predicting a return to normal growth for the US economy. Well, the recovery that followed one of the deepest recessions since the great depression of 1930's was hardly a normal recovery. Unemployment still hovers around 10% with some estimates putting almost 25M Americans unemployed or underemployed. The poverty levels have risen to a record high and there is a very stark divergence in the economic fortunes of haves and have not's. The stock markets are gyrating daily trending steadily lower and the bond markets are signaling another recession. The response to all this economic mayhem by the Obama administration was the usual but record stimulus to generate growth that has failed to show the predictable results.

With interest rates at record lows, the usual tools to fight recessionary pressures are not working this time around. There is so much partisan rancor in Washington DC that it makes the Indian Parliament look a lot civil in comparison. Unemployment still hovers around record highs with no respite in sight.

So it begs a simple question, what is going on? And when does this end and normal economic recovery starts again? Has the US economy permanently shifted to a lower growth mode and the glory days of the US are in the past with the future looking more opaque?

These are all very important and interesting questions with no easy answers. In terms of what is going on with the US economy, one simple word comes to mind, deleveraging. We are all familiar with the term recession, which is typically due to the contraction in private sector demand primarily due to the central bank's tight monetary policy. In other words, central banks raise the cost of capital for everyone to borrow.

Although old in economic terms, deleveraging is a relatively newer concept that has manifested itself since the recession of 2007 – 2008, but explains the current economic contraction quite well. A deleveraging represents an economic contraction primarily driven by a shortage of capital and a lack of demand by consumers. In a deleveraging economy, a large number of debtors have debt obligations that they cannot service or meet. The central bank is unable to stimulate credit demand because the interest rates have already been lowered to 0% and can't go lower. This is precisely what is happening in the US, with the highly indebted US consumer unable to service the debt burden and either defaulting on their obligations enmasse or rapidly deleveraging or paying off debts, thereby reducing demand for credit and hence growth.

As we are all familiar, the Capitalist system works with the exchange of goods and services between individuals via the use of real money or credit. All changes in the economic activity are measured in a traditional sense by changes in the amounts of money or credit flowing in an economy. The central bank is the only entity that can create money while credit can be created by financial intermediaries like private sector banks etc. As the term implies, credit is a promise to pay your obligations in the future. In a well-functioning economy, money supply and credit availability are in equilibrium and the productivity of the economy represents the traditional growth or the GDP.

The US economy was clearly not in equilibrium over the past few decades, with easy money supply and credit availability that grew faster than the rate of economic growth or the productivity of the US economy. Although by traditional productivity measures, the US economy was growing at its usual pace over the past 30 years, with a brief recession in early 1990's and in 2002, the economy was able to correct itself and growth resumed. So what happened this time around? Why is the economic recession so deep with no end in sight in terms of when normal growth will resume? Some people have even started questioning the notion that the US is going to resume its normal growth path again.

Although, the emergence of China and India and wars in Iraq and Afghanistan has created structural issues for the US economy, these are not necessarily the only headwinds facing the US. The subtle shift in demographics with the 'baby boomers' hitting retirement and ever increasing health costs are a constant burden. But these issues will be and can be resolved in time. The immediate challenge is to break this cycle of deleveraging.

Though the deleveraging process is painful and produces great hardships, it's the only way free markets repair themselves. Deleveraging typically ends via a mix of debt restructuring that reduces debt obligations, or increase in money supply (print money), or re-distribution of wealth via taxation or other fiscal policies of the government. Further, the process or deleveraging is longer than your typical recessionary cycle and can take up to a decade or more (remember Japan) to rectify.

There is still hope that the US economy will come out of this deleveraging cycle and start growing again. But for that to happen, I think it will still take 3 – 5 years before normal growth resume again. There are no short cuts to get out of the present mess and we should all get used to the daily gyrations of the stock market and increased volatility. And there is one benefit for us all, cheap credit, if you can get it and afford it.

As sure as the spring will follow the winter, prosperity and economic growth will follow recession.

**Bo Bennett**

*(Harneke Minhas is a successful top official at one of the well-known global banks.)*

# Leader's Ladder

Geeta S

When in school, we were often taught that the leader carries a lot of responsibility on his/her shoulders. If the team leader can take his whole team with him through thick and thin, then there is no way that any enterprise or endeavor can fail. A leaders' role is of paramount importance—to be able to create faith, win the confidence of the ones working with you or under you is a Herculean task, challenging but achievable.

People today seem to have completely forgotten the dictum—"To lead by example".

A small phrase but such depth of meaning. It is very easy for all of us to preach but very difficult and daunting to set an example. There are many hurdles one has to overcome—for instance leave all vested interests behind and to think about the larger good of all. History is witness to great leaders like Mahatma Gandhi and Martin Luther King who put the interests of the masses before their own. Not only did they galva-

Many people talk about the decline of the work ethic. In reality it is not the work ethic which has declined. Rather, it is leaders who have failed. Leaders have failed to instill vision, meaning and trust in their followers. They have failed to empower them. Regardless of whether we are looking at organizations, government agencies, institutions or small enterprises, the key and pivotal factor needed to enhance human resources is leadership.

Warren Bennis and Burt Nanus, 1985.

nize millions into action but changed the entire course of history.

Today when I look around me, I cannot find anyone who fits the bill. Why did an Anna Hazare need to do what he did? It hurts to tell myself that maybe I too am responsible in a way. Like every other eligible citizen of the country, I too voted for some leader. But the leaders after being elected soon forget how they got there and the purpose of being in a position of power...of being an elected representative of the people.

Talking about leaders brings me to Charanjeet Minhas—the CEO of Qualitree Solutions and the brain behind Qualitimes. In my opinion, that quality that makes a good leader stand out amongst the rest is 'empathy'. Management Gurus please excuse. Minhas is one such leader. To be able to empathize is something for which one needs a clear heart and a fine sensibility—Minhas has both. As Qualitimes completes a year under the able guidance of Minhas and his team, I am sure that under him it will grow by leaps and bounds.

So my friends at Qualitree—let us keep the "fathomless ocean", as our goal and move ahead on the path, whose first step we've just trodden. It is a journey like the rivers' through thorny thickets, craggy cliffs, boulders and mountains but with the right helmsman, no challenge, howsoever daunting, is insurmountable. Wishing you all an Onward and Upward flight.

Always remember that the great thing in the world is not so much where we stand, as in what direction we are moving!

May the years ahead see you forging ahead and achieving higher pinnacles of glory.

(Geeta Sharma is an assistant professor of English and is a lively and warm hub of social activity.)

*The river runs  
And runs for ever  
Through thorny thickets  
And craggy cliffs,  
Managing its way somehow  
Through boulders and mountains  
To merge and unite  
With the ocean  
Boundless and fathomless.  
H.L.Agnihotri*

# Mission Ambition

Jyoti R

A car pulled up beside mine at the signal, carrying a bunch of well-turned out youngsters in the latest big model on wheels, blaring the latest hit & the sight invariably pulled me back to my own teen years when we made do with little but the dearth of resources somehow actually translated into wealth of desires and I am pretty convinced that it were these desires that fuelled ambitions in most of us and produced a generation of super-achievers in practically every field. Coming back to the present, the sight also left me wondering what could possibly be the driving factor for these youngsters who have the world & its goodies at their beck & call. We led a life of struggle & came out with flying colors and subsequently built a life of comfort for our offspring but unwittingly, we have ended up trading their ambitions with these luxuries. Of course, they all still aspire to become someone of importance in their chosen fields and of course they still aspire to make lot of money but am sure if you were to ask them the purpose of all the money they'd make, most of them would be scratching their heads trying to think of an answer since they already have it all! Somewhere there is a lack of genuine ambition, that fire in the belly that acts as a catalyst to great achievements in life! No wonder the "achievers" of today are more the creation of some smart marketing & a manipulative media than actually having some ground shaking achievements under their belts. Imagine, for e.g., Sir Edmund Hillary discovering the Mt. Everest, dreaming of conquering it AND eventually doing so but if he were to build a house at the summit & live there, what ambition would his kids grow up with I wonder? Maybe they would want to come down all the way & experience the life of ordinary mortals & perhaps, therein lies our hope too..We now have the golden opportunity to wean our children away from the materialistic reasons for wealth creation & condition them to give back to the society & create a far more balanced & "equal" world. This is our time to put into practice all the lofty ideals gathering dust in books because the new generation has their tummies full & that makes it a hell lot easier to be idealistic!

(Jyoti Raghavan is literature critic and is consumed in many critic pursuits.)

## Web Application Testing using TTCN-3 - Part I

### Bernard Stepien

Web applications are developed and used by an immense community. Web applications are also notorious to have a high density of bugs. It usually doesn't take more than five minutes to hit a bug on practically any web application. Bugs should normally be eliminated through testing. Most of the testing of those web applications is still widely performed manually either due to lack of technical knowledge or limitations of available testing tools. For those who have chosen the test automation approach, the next problem is the degree of precision that the tester wishes to achieve. Web testing is somewhat different from traditional software testing because web pages contain both application information and formatting information that are intertwined and difficult to separate. Thus, most testers choose a spot testing approach that by definition is not very precise. Also, spot testing doesn't make very much sense when the information found on a web page can be correlated with information stored in databases. In this article, we will compare the use of web testing dedicated tools to the use of generic but dedicated testing languages such as the standardized TTCN-3 language.

### What is TTCN-3?

TTCN-3 is an ETSI standardized programming language specially designed for specifying test suites. However, it is beyond most test scripting languages or general purpose languages extensions such as JUnit. It has three central principles:

A separation of concern between abstract test behavior specification and concrete test adapter also called test harness.

A very powerful matching mechanism that allows the verification of complex test oracles using a simple but composite assertion principle, the TTCN-3 template.

The concept of parallel test components that allows the distribution of test behavior among test actors.

*(Bernard Stepien is a senior research engineer at the University of Ottawa. He is a very instrumental player in the TTCN-3 technology and has authored many publications.)*



Answers to last month's  
Word Puzzle:

- EVADE
- AZALEA
- GASBAG
- TRACT
- TRAIT

**Last month's winner:**

**Amit C**

Other correct entries:

- \* Srikanth K
- \* Amit C
- \* Atul K
- \* Kishore K
- \* Minal D
- \* Devraj K
- \* Rakesh B

**Prabhjot Bal** chairing a TTCN-3 protocol testing event hosted by Reva Institute of Technology and Management at their campus in Bangalore, India. He was instrumental in creating deep and wide interest for the TTCN-3 technology.



Congratulations from Testing Tech for the first anniversary of 'QualiTimes'! We were promised from now on to receive this newsletter and of course we look very much forward to being kept informed on the latest news and chitchat regarding our trusted partner Qualitree. I am therefore happy to also contribute a few words to this special edition by describing the nice working relationship our two companies has been enjoying over the years. With Germany and India, respectively the US being so far away from each other, it is very remarkable that our cooperation has grown so close. We felt always very honored when representatives of Qualitree came over to our headquarter in Berlin and on the other hand feel very welcomed every time when visiting the ever growing Qualitree office in Bangalore, always feeling treated as special guests. With business and personal relationship growing steadily, I am convinced that we look into a bright future for our cooperation. At this point my special thanks goes to Mr. Atul Kaushik who has put in tremendous effort to making our cooperation succeed and we look to continue to working with him and everybody at Qualitree for many years to come. I would also like to thank Mr. Parthiv Zaveri for his continues efforts to deploy our joint business in North America. And I am convinced that together we can deploy this business further. Thank you team! Finally I would like to say that I am happy that thanks to the editors of this newsletter we can now read about this and other important events in the upcoming editions of 'QualiTimes'!

**Theofanis Vassiliou-Gioles, CEO Testing Technologies**



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

18 Shea Way, Suite 101                      1699 Wall Street Mount  
 Newark - DE                                      Prospect - IL USA - 60056  
 USA - 19713                                      Ph: +1 847 640 8448  
 Ph: +1 302 709 5900

45 Bramalea Road                              A - 47 New Amritsar G.T  
 Suite 208    Road  
 Brampton - Ontario                              Amritsar - Punjab  
 Canada - L6T2W4                                  India - 143006  
 Ph: +1 647 428 4470                              Ph: +91 183 2700055

[www.qualitreeinc.com](http://www.qualitreeinc.com)

# Word Puzzle

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

1	_ R A S _	
2	_ O C A _	
3	_ P N E _	
4	_ A R G E _	
5	_ L I N I _	

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

## BUZZ OF THE YEAR

- Our Atul Kaushik was guest speaker at the world TTCN - 3 user conference hosted by Wipro technologies where he spoke on "TTworkbench - The Reliable Test Automation Platform"
- Strategic reseller tie-up with "QualiSystems". Qualitree acquired the rights to resell QualiSystem's flagship product "Test Shell" in North America and Indian sub-continent.
- Qualitree's affair with C-DOT continues - building on a big order September 2009, C-DOT places another implementation order.
- The Province of Alberta, Canada opens its doors to work with Qualitree Limited.
- Polycom once again reposes its business interest in Qualitree products.
- Experitest in Qualitree universe steams off from Sunnyvale, CA with Innopath's order.
- "What a marvel is Experitest!!" says the PO from Marvell Semiconductor
- 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.
- 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 global telecom service provider with a strong foothold in India looks forward to partner with Qualitree for its LTE testing requirements which would require implementation of products from Nexus Telecom .
- A public sector IT consulting organization from India further entrust the TT products and orders term licenses.
- Our interest in doing business with government sector in India takes a concrete shape and moves a step forward with our empanelment with Andhra Pradesh government and vendor registration application submission with a DRDO lab.
- Qualitree and Nexus successfully demonstrate the implementation of the Nexus tools at a premier government organization in India.
- Alberta State Department of Health and Wellness enters a contract with Qualitree's Resource Augmentation division