



# QUALITIMES

A QUALITY THAT DOES NOT CHANGE WITH TIMES

## Editor's Choice...

# Tum Jiyo Hazaron Saal...

### Editorial Panel

- Geeta S
- Jyoti R
- Sunmeet S
- Venu M

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

### Charanjeet S Minhas

Two friends meet after long time wearing watches widely different in price and brand. While both tell same time, the times they tell of are far from same. The times prevailing in Qualitree is told by our two year old giant, and those who love reading it, and others who have passion for word, are addicted to it. Then there are blessed souls who have gift of thought and penmanship, relishing their part in its development and enrichment every month. For all these, it is so dear, as someone was to the shayar for whom it is said:

*Ai gulcheen-e-ajal tujh sey nadaani hooe  
Phool voh tora ke gulshan men veerane hooe.*

(O thou picker of life's flowers; you made a grave mistake;  
Plucked that flower which was the liveliness of whole garden)

While Qualitree lives and thrives as a result of efforts made by the world towards technological advancement, its true soul is reflected by our young giant. The soul that espouses tradition, celebration, literature, poetry, adventure, art, learning, technology, and everything else that can make us happier, wiser, tolerant, and respectful. *It tells the quality of our times.*

Let us make our times better: more fulfilling, full of love and laugh, stabilized by honest and hard work. As we daily toil towards there, let each one of us participate in helping our mouthpiece, Qualitree spoketree, to tell our tale, the tale of Times in Qualitree, *Qualitimes.*

There, here, and everywhere, boys and girls, ladies and gentlemen, let us say loud and clear, let us say together:

**"HAPPY BIRTHDAY QUALITIMES"**

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



# THE QUALI - WALL

Congratulations to the editorial team and to each of them who have contributed to QualiTimes. 2 yrs of relentless efforts and sheer dedication has not only made this initiative live but also bloom. As goes for all the Qualifiers "Believe Practice Deliver"... Sunmeet and team has ensured QualiTimes connects to all the Qualifiers... I wish them all the very best and look forward to see QualiTimes grow and become an integral part of each Qualifier.

(Subrat P)

QT is turning two now, but we have got so used to it that it feels it's been going on since ages. My congratulations to all the contributors for their valuable contributions and the team behind QT; had it not been for their dedication, their passion and their willingness to devote time; QT would have long vanished from our lives.

I believe that QT is something we earnestly wait for every month end. I for sure cannot wait to go thru the contents the first thing on the first of every month. For QT – everything else can wait!

(Parthive Z)

Many Congratulations to Editors of Qualitimes for nice and wonderful job. Qualitimes is now integral part of Qualitree family and its brings the complete information about the developments happening at Qualitree. Once again kudos to all members of Qualitimes .

(Atul K)

Qualitimes is not just a magazine or a journal; it is our monthly central focus for our globally distributed colleagues. It is a platform that brings us all together and enlightens us about the happenings in and around us. It has helped us in facilitating the connectivity across international boundaries.

On its landmark event of completing two years, I would like to thank all especially the editors and contributors, whose ardent efforts have helped Qualitimes see this day! This has only strengthened our belief that this unremitting endeavor for socializing within Qualifiers will go on with undiminished vigor!

Thank you once again!!

(Sunmeet S)

A hearty congratulations to Qualitimes as it celebrates its completion of 2 years! It is a powerful resource for all of us to socialize and be updated with the new and happenings in and around Qualitree!

Keep up the good work!

(Prasad M)



# Breaking Fast with the "General"



*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 13 - Jacob A
- Oct 23 - Devraj K
- Oct 30 - Kiran T
- Oct 30 - Naresh G

**A moment of honor** : Charanjeet and family having breakfast with the India's present Chief of the Army Staff - General Bikram Singh and his family at their residence in the Army Headquarters in South Block.

Answers to last month's Jumble:

● LUCRE ● MACHO ● MANIT ● PLOP ● SAPPY

**Last Month's Winner: Satyajit S.**

Other correct entries: Brajesh M, Devraj K, Atul K, Rakesh B, Sarabjit K.

Answers to last month's Word Puzzle:

● MAIM ● SPECIOUS ● AGORA ● NEUTRON ● CARDIAC

**Last month's winner: Devraj K.**

Other correct entries: Satyajit S, Rakesh B, Sarabjit K, Brajesh M.

**JUMBLE**

TMPHU ○○○○

IFYAR ○○○○

MFREA ○○○○

YINM ○○○○

GDRUO ○○○○

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



# Hum bhi agar bache hote...



Qualitimes wishes *hers his highness* Gurnam S a very happy B'day!  
(L - R : Prasad M, Vipin K, Sunmeet S, Gurnam S)



**Rohan:** *I don't want anyone to be around while I cut the cake!*  
Qualitimes wishes you a great year ahead and may all your birth day wishes come true!

Dear Qualitimes,  
I wanted to complement and congratulate the entire team on successful completion of two years.  
Qualitimes has definitely created a common sharing platform to bring all of us, the Qualifiers together. I thank you all for updating us with the monthly news and happenings throughout the Qualitree family.  
Wishing you many more years of success and glory!

**(Harpreet M)**



September 2012  
Annavi K



- For an outstanding performance in the responsibilities held, Annavi K was chosen as the star of the month for September - 2012.



Annavi K - The Star for September 2012

# Saccha Mitra

Har Maah Aatha Hai Milne Mera Nanha Sa Sakha  
Samanya Lekh Mein Asaamanya Gyaan Sanjoya  
Ullekhaniya Saar Ko Takneeki Lekh Mein Samaaya  
Desh Videsh Ke Kayee Samachaaron ko Sunaaya  
Samasya Poornam Ko Ek Prathispardha Banaaya  
Har Pag Par Humein Isne Jeebhar Ke Hasaaya  
Iseeliye Humne Iska Bhavya Janam Din Manaya

(2 yrs old)  
(Editorial/General article)  
(Technical article)  
(Buzz of the Month & Other Events Information)  
(Puzzles & Jumbles)  
(LOL)

Venu M

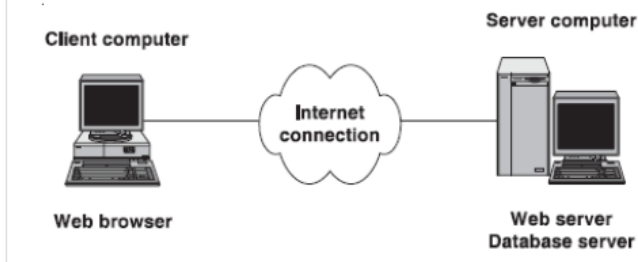


# Glimpse at Java Web Applications - Part I

## INTRODUCTION TO WEB APPLICATIONS



### Components of a web application



The Figure above shows the basic components that make up a web application. Because a web application is a type of client/server application, the components of a web application are stored on either the client computer or the server computer. Keep in mind that many clients can be requesting services from a server computer and many server computers might need to be accessed by a given client.

To access a web application, we use a web browser that runs on a client computer. The most widely used web browser is Microsoft's Internet Explorer, and the most popular alternative is Mozilla Firefox.

The web application itself is stored on the server computer. This computer usually also runs the web server software that enables it to send web pages to the web browsers. Although there are many web servers available, the most popular for our Java applications is the Apache Software Foundation's Apache HTTP Server, usually called just Apache.

Because most web applications also work with data that's stored in a database, most server computers also run a database management system (DBMS). For Java web applications two popular database systems are Oracle and MySQL. However do note that the DBMS does not have to run on the same server computer as the web server software. In fact a separate database server is often used to improve an application's overall performance.

Although the figure shows the client and server computers connected via the internet, this isn't the only way a client can connect to a server in a web application. If the client and the server are on the same Local Area Network (LAN), they function as an intranet. Since an intranet uses the same protocols as the Internet, a web application works the same on an intranet as it does on the Internet allowing stepwise scalability.

### Review Notes

- ◆ In a typical web application, a user at a client computer accesses an application at a server computer. The client and server computers are connected via the Internet or an intranet.
- ◆ A user usually works with a web browser at the client computer. The web browser provides the user interface for the web application. IE and Firefox are popular.
- ◆ A web application runs on the server computer under the control of web server software. Apache is the most popular web server for Java applications.
- ◆ For most web applications the server computer also runs a database management system (DBMS). Oracle and MySQL are popular ones in this area.

### Next Articles in series

In following articles we will take a glimpse at how static as well as dynamic web pages work. We will then introduce ourselves to JavaServer Pages and Java Servlets. Happy readings!

Prabhjot B





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# Word Puzzle

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

1	_ A I _	
2	_ P E C I O U _	
3	_ G O R _	
4	_ E U T R 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

# BUZZ OF THE YEAR

- Alberta State Department of Health and Wellness enters a contract with Qualitree’s Resource Augmentation division
- One of the biggest retail banks of the United States approached Qualitree for one of their biggest onsite training assignment.
- The lottery corporation in British Columbia, a province in Canada, shortlisted Qualitree for their functional and performance testing requirements.
- Tekstrom Limited signs an non disclosure agreement with a RFID solutions company in the province of Ontario to test their enterprise and mobile applications.
- ZAP and Qualitree partnership strengthen their feet in the Asia Pacific region by joining hands with HP and market the ZAP-fix line of products.
- Qualitree enters into an “Offshore Testing” contract with a company developing virtual makeover solutions in the Ontario province of Canada.
- Qualitree inks in a contract for software test automation services with a scientific product based company based out of Vancouver in the province of British Columbia in Canada. The contract comes after a successful completion of proof of concept of their products which were executed couple of months ago.
- Qualitree consolidates its relationship with a non profit organization from the Ontario province of Canada. A successful completion of a short term assignment resulted in the promising start of the much longer assignment. The assignment starts in the middle of the month.
- One of the existing client, a major financial institution in the United States, further strengthens its relationship with Qualitree by seeking onsite services for their mobile application testing assignments.
- Government of Saskatchewan has entered into a multiyear contract with our Canada office.
- Team Bangalore forays into using Open Source Tools for Test Automation. Expertise build on Selenium, SOAP UI & Load UI and monkeytalk.
- Polycm continues its relationship with Tekstrom by signing up for Support & Maintenance for its Testing Technologies tool sets.
- Tekstrom Canada signs up an agreement with Babin Strategies Inc, Quebec. Babin Strategies would be marketing Tekstrom’s services to clients in Quebec.

