

Next Generation Testing Conference (Spring) 2010

Meeting New Challenges

19 - 20 May 2010, London

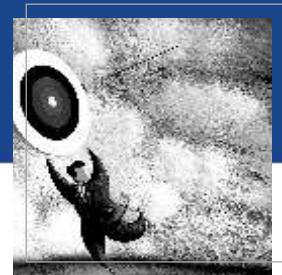
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Pre - Conference Workshop:

Keyword-driven Automated Testing with Free Tools

18 May 2010, London

Presenter: Martin Gijsen, DeAnalist.nl



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Keyword-Driven Automated Testing With Free Tools

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Background

A major reason for functional automated testing failing before the investments pay off is the amount of maintenance to the tests and other testware. This is actually easy to avoid with keyword-driven testing. It ensures that test analysts do not require programming skills to create or maintain automated tests. It also significantly reduces the test maintenance effort for as long as the system is being tested. A key feature of the approach is the use of business oriented 'keywords': easy to use test instructions that are defined by the test analysts themselves, specifically for a System Under Test.

Benefits of attending

This practical workshop will supply the participant with:

- A good understanding of the theory of test automation, including the causes of the usual maintenance issues,
- Sufficient practice in defining and documenting good keywords,
- Experience creating automated tests (for several, very different systems - no recording!),
- Applied techniques to further reduce the maintenance effort for automated tests,
- An initial version of keywords and some test cases for a real system of your choice,
- An overview of the available free and open source tools,
- Experience implementing keywords with free tools like Selenium, WebDriver and Abbot (optional),
- How the approach fits into a waterfall or Agile process,
- Tips on introducing the approach into an organisation.

Depending on the individual attendee's interests, the focus can be on test analysis, test automation or both. So this workshop is suitable for both test analysts and developers/test automators.

The approach can be used with many tools, including commercial ones. A laptop is required. To implement keywords and run tests, all the necessary software will be provided for Java.

Who should attend:-

- Test Analysts
- Developers
- Test Automators

■ BACKGROUND

This is the UK's most topical and up-to-date testing conference, which provides clear guidance to help with the challenges and issues faced in testing today, how best to address them and how to cope with changing conditions and the need to optimise every effort.

This programme is the result of extensive research into what are the testing issues of most concern to organisations right now and in the future – the agenda reflects the feedback of those involved in testing in the real world. One of the issues of focus for many organisations is Agile Testing, and this has proved a popular strand at all our conferences. Therefore, as in the two previous (Spring and Autumn 2009) "Next Generation Testing conferences", the programme reflects the challenges facing testers today. Topics covered include Test Automation, Debugging in Extreme Stress Environments, Exploratory Testing and Agile Testing, as well as the psychology of Testing.

The testing function in many organisations is evolving and sometimes the division of roles between testers, developers and users are becoming less rigid as new developments in software development and testing make testers out of developers and end users, and developers out of testers. Users and developers bring valuable new viewpoints and insights, while dedicated testers have the experience and training.

Taking a holistic view of testing involves seeing the product from the user's point of view, while bringing to bear the problem-solving skills of the tester.

There is also a related pre-conference workshop on "Keyword-driven Automated Testing with Free Tools" on 18 May.

■ BENEFITS OF ATTENDING

- You will take away from the conference fresh ideas and practical solutions to address current and future testing challenges.
- Presenters have been selected because they have the experiences and knowledge to provide answers.
- The format is friendly and interactive so that the participants can meet and put questions face-to-face to the presenters.
- For those seeking a top level view of the various schools of thought and testing techniques, this will be the ideal forum for exchanging views, sharing experiences and seeking guidance.
- For those particularly interested in the Agile route, there will be the opportunity to share experiences and stories of successes – or otherwise.
- As we learn from each other, from industry experts and from user case studies, we will be empowered to find the right balance in order to achieve success in testing projects – agile, traditional, or blended.

Workshop Fee

£350+ VAT
or £200 + VAT
if booked with the conference

PRELIMINARY PROGRAMME

DAY 1

09.00 Registration

09.30 Chairperson's introduction and welcome

09.35 Keynote 1: Test Automation Objectives

Dot Graham, Dorothy Graham.co.uk

- The importance of good objectives for test automation
- Five commonly-held objectives that can harm your automation efforts
- Six characteristics of good objectives for automation
- Automation in iterative/agile development
- Return on Investment for automation

10.20 Domain Specific Test Languages in Practice: Approach first, tool second

Martin Gijzen, DeAnalist.nl

- Domain Specific Test Languages are excellent for effective automated testing, for either Agile or traditional
- They separate testing and automation tasks, so these can be assigned to people with the relevant skills
- They require no programming and significantly reduce maintenance
- Learn about three approaches and the corresponding (free) tooling
- Compare the approaches using three versions of one complex test case

11.00 Coffee

11.30 Lessons for Testing From Debugging in Extreme Stress Environments

Clive King, Oracle

- Integration bugs live in dark corners
- Extreme load far in excess of anticipated production load flushes out a significant subset

12.15 Case Study: Using an Exploratory Testing Approach in an Agile Environment

John Stevenson, NDS Ltd

- A brief introduction to exploratory testing
- Exploratory testing and scrum – expanding test ideas
- Session Based Tester/Developer Testing
- A real life example of using ET within an agile environment
- Q & A Session

13.00 Lunch

14.00 Presentation details to be announced

Chris Ambler (TBC), Microsoft

14.45 Case Study: Going Agile in an Agile Way

Jenine Thorne, N&P [Norwich & Peterborough Building Society]

- We are N&P
- How we adopted Agile
- The outcome
- How to be more Agile at becoming Agile!
- Specific lessons learnt for Testing

15.30 Tea

16.00 Details to be announced

Keith Braithwaite, Zuhlke

16.45 Summary

17.00 Close – Drinks reception and Networking



DAY 2

09.00 Registration

09.30 Keynote 2: The Tester Identity - the psychology of testing

Andy Redwood, Credit Suisse

- Testers have a strong identity and purpose - why is that?
- What is the mindset of a tester and how special is that?
- What cognitive skills does a tester acquire and use?
- Do you see what you believe or do you believe what you see?
- What benefits are achieved for your business by understanding how to manipulate basic psychology?

10.15 Optimizing the Contribution of Testing to Project Success

Niels Malotaux, N R Malotaux – Consultancy

- How an important paradigm shift can make testers much more effective for concluding projects successfully and on time
- How Evolutionary Project Planning concepts can be used by testers in practice
- How defect prevention can make the testers job much more interesting
- Ensuring testing can never more be blamed for delays
- Intimately entangling the testing process with the development process, providing better testing through better co-operation

11.00 Coffee

11.30 Case Study: Impact of the Work Environment on “Super Fast” Agile Methodology

Ambighananthan Ragavan, Shopzilla Inc

- Pros and cons of a team working in closed/semi-open or an open cubicle environment
- Minute-by-minute communication is important for 'super fast' Agile - how do we achieve this in different environments?
- Communication traffic generated by QA engineers is a lot more than generated by other team members within the team
- How does delay in these communications affect QA in Agile?
- How does our environment contribute to these communication delays?

12.15 Solving the Puzzles of Agile Testing

Matthew Steer, Sopra Group

Rubik's Cube serves as a relevant and useful analogy to assist organisations with the understanding of the puzzles that an agile software development lifecycle presents to their testing function.

- The concept is an effective way for Management and the project team to visualise the testing function.
- Understanding the 'agile readiness' of our testing function is the most important and arguably the most difficult step in the agile transition plan.
- By determining 'agile readiness' the technical and cultural 'blockers' for transition are uncovered - the common ones will be highlighted.

13.00 Lunch

14.00 Test Automation for Mobile Phone Applications

Julian Harty, Google

Julian Harty helps you to learn what to test, how to test, and how and when automation can help with your testing of mobile wireless applications. You will learn a range of simple and practical tips, about typical (and even unusual) problems, that may just make the difference between success and failure.

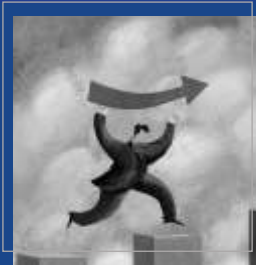
14.45 An Introduction to TMMi

Andrew Goslin, TMMi Foundation

- Explanation of what TMMi is, providing a basic understanding of what the model is, its structure and the reasons behind its structure.
- Provide practical examples of when and where TMMi could be of value
- Provide an insight into what “is not in the textbook” and tips on using TMMi
- Benefits to organisations and individuals of applying TMMi
- Why TMMi makes business sense

15.30 Tea

16.00 Summary and close



MAILING CODE: PDF

1st Delegate

Dr/Mr/Ms/Mrs.....First Name.....
Surname.....
Position.....
Head of Department.....

2nd Delegate

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Surname.....
Position.....
Head of Department.....

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Please Book Me On This Event
Next Generation Testing Conference - Spring 2010:
Meeting New Challenges

Registration Fee:

- Conference fee 2 days - £600 + VAT
- Workshop 1 Day - £350 + VAT
- Conference and Workshop - £800 + VAT

Related Events:

- Please tick as appropriate
Please send me more information on:
- Keyword-driven Automated Testing with Free Tools - 18 May
 - Agile Testing -23 June

Special prices available for booking together with conference.

Please call UNICOM on + 44 1895 256 484 or email
info@unicom.co.uk

Five Easy Ways To Book:

- Fax this page +44 (0) 1895 813 095 to book your place
- Post To: UNICOM Seminars Ltd, OptiRisk R&D House, One Oxford Road, Uxbridge, Middlesex UB9 4DA, UK
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- Telephone UNICOM on +44(0) 1895 256 484 to provisionally reserve your place


Registration Details:

The registration fee for the event covers the following: Attendance, copy of the documentation, lunches and light refreshments. Accommodation is not included. Detailed delegate information will be sent to you approximately two weeks before the event. Payment should be sent with the registration form or at the latest, paid at the event. All invoices carry a 10% surcharge which is payable if the fee remains unpaid on the day of the event.

What happens if I have to cancel?

Confirm your CANCELLATION in writing up to 15 working days before the event and receive a refund less a 10% + VAT service charge. Regrettably, no refunds can be made for cancellations received less than 15 working days prior to the event and the invoice will remain due. SUBSTITUTIONS are welcome at any time. You may also TRANSFER your booking to a future event for an additional charge of £125/person/day, payable within one week of invoice.

As we cannot guarantee that exactly the same course will be available, the transfer will be open to any other event taking place within six months from the date of the original event. The organisers reserve the right to amend the programme if necessary. INDEMNITY: Should for any reason outside the control of UNICOM Seminars Ltd, the venue or the speakers change, or the event be cancelled due to industrial action, adverse weather conditions, or an act of terrorism, UNICOM Seminars Ltd will endeavour to reschedule, but the client hereby indemnifies and holds UNICOM Seminars Ltd harmless from and against any and all costs, damages and expenses, including attorneys fees, which are incurred by the client. The construction validity and performance of this Agreement shall be governed by all aspects by the laws of England to the exclusive jurisdiction of whose court the Parties hereby agree to submit.

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