Lightning Talks

SPA2014, Tuesday 1st July, 2014 4:45pm – 5:30pm

TDA is Dead – Long Live TDD and DDD?

Tell Don't Ask – James
Sacred cows must be slaughtered
No value objects – system has no value!

CodeClub

www.codeclub.org.uk – nationwide network of volunteers that teach children to code.
As a volunteer, you only have to turn up for an hour a week and be a classroom assistant.
Use Scratch (drag & drop coding).

1 = 0.999999…

Some people think these are different numbers. In fact they're the same.
0.5 = ½.
0.37 = 37/100.
0.37373737… = 37/99
0.9999999… = X
10X - X = 9
9X/9 = 9/9 = 1

TDA is Dead

James
Sacred cows must be slaughtered
No values! So no pure functions!

System-of-Systems Testing

Many systems that need a co-ordinated change implemented across them.
This conference has delivered a solution:

- Test Diagnostics
  - Ignore Postel's Law
- Inconsistent representations (dates, units…)
  - Data dictionary
  - Define units carefully
- Simulate external systems
  - Assertions around their interfaces
- Test Data
  - Partition by type and make each type owned by one team
  - Testbed service owned by one team
- Interface Semantics
  - Careful naming
  - Data dictionary again

- o Illustrate with particular data sets that reveal interesting features (e.g. end-of-quarter)
- Configuration Confusions

ELM – Web Done Right
Mark Pawelek

About 1997 a paper on *Reactive Programming* suggested building a model and programming against it. A declarative language called ELM obviates HTML, etc. – you just describe the way you want your web page to look and function. It isn't quite finished yet.

Design Thinking

Book about thinking about design. Divergent phase is followed by a convergent phase. E.g. draw 6 different ideas for the way a web page should look. The second is usually the direct inverse of the first. In software design, a nice idea is to split a pair to think about a problem and then compare ideas afterwards.

SoCraTes 2014
Nicole Rauch

A conference (August 7-10, Soltau, Germany). Stands for Software Craftsmanship and Testing. The whole programme is run as an Open Space.

SPA Conference Session Selection
Anna Shipman
How the process works.

Why you need (some) documentation
Andy Longshaw
- Because I don't know what you're doing
- Because You don't know what you're doing

Not 200-page specs
- Mostly pictures
- Maps
- Incident reports
- Different scales
- Rough sketches (Simon Brown – context, containers, components, classes)
- Viewpoints and Perspectives

Choose a core, non-volatile subset
- Stick them on the wall
- Keep them up to date

Javascript Learnings
Andreas Leidig

Javascript is not the same as Java! It has closures, but few Java programmers realise it. No need to check for nulls either. Tests and stubs are very easy to set up. But Andreas misses static typing and refactoring support in the IDE.

Are You Passionate

Seb Rose

Word crops up a lot in CVs and job adverts. Hyperbole! Use words to mean what they really are defined to mean. Language does evolve, but "passionate" in job ads should be substituted by Enthusiastic, Dedicated and Keen. Programmers should be dispassionate – rational, impartial, not given to sudden outbursts of emotion. In the workplace, there should be no Threats, Intimidation, or Passion.

Ego Boosting

Moving to a new office. Get a cow bell and use it to celebrate something good. Retrospectives tend just to focus on what went badly.