

Learning and practicing software testing





Open Lecture by James Bach on Software Testing

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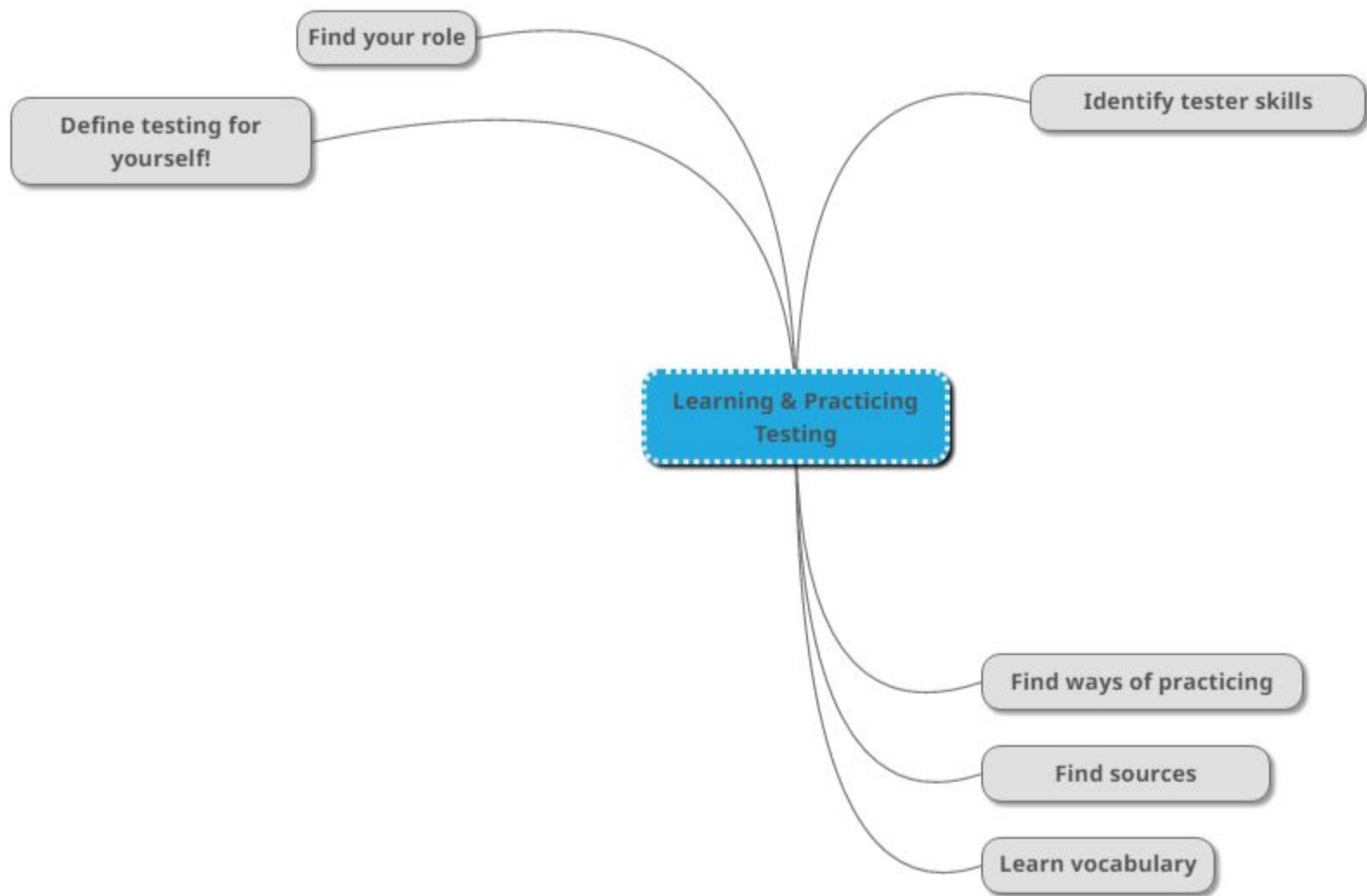
Software Testing Training
Guru99

Expert lecture on software

https://www.youtube.com/watch?v=ILkT_HV9DVU

I. Definition / Role

II. Skills



What is testing?

Over time the definitions of testing and the ideas behind it have changed.

This post brings together an expanding collection of testing definitions in chronological order and thus provide an overview on changing views. Views that are based on the changes in computer and software development one would expect to be outdated but often still are in use today.

- "How would we know a program exhibits intelligence?"
Alan Turing [1950]
- "Make sure the program runs" and "Make sure the program solves the problem"
Dan McCracken; Digital Computer Programming [1957]
- "Errors plague us, but hidden errors make our job impossible. One of our recurring problems lies not in finding errors but in not finding errors. We must be alert for them; we can never be complacent about our results."
Herbert D. Leeds and Gerald M. Weinberg, [1961]
- "Testing is the process of executing a program with the intent of finding errors."
Glenford J. Meyers; The art of software testing [1979]
- "Test means execution, or set of executions, of the program for the purpose of measuring its performance. That a program was executed with no evidence of error is no proof that it contains no errors; program errors are sensitive to the specifics of the data being processed." "The goal of testing ought to be the uncovering of defects within the program."
Robert Dunn and Richard Ullman, Quality Assurance for Computer Software, [1982]
- "Testing is any activity aimed at evaluating an attribute of a program or system."

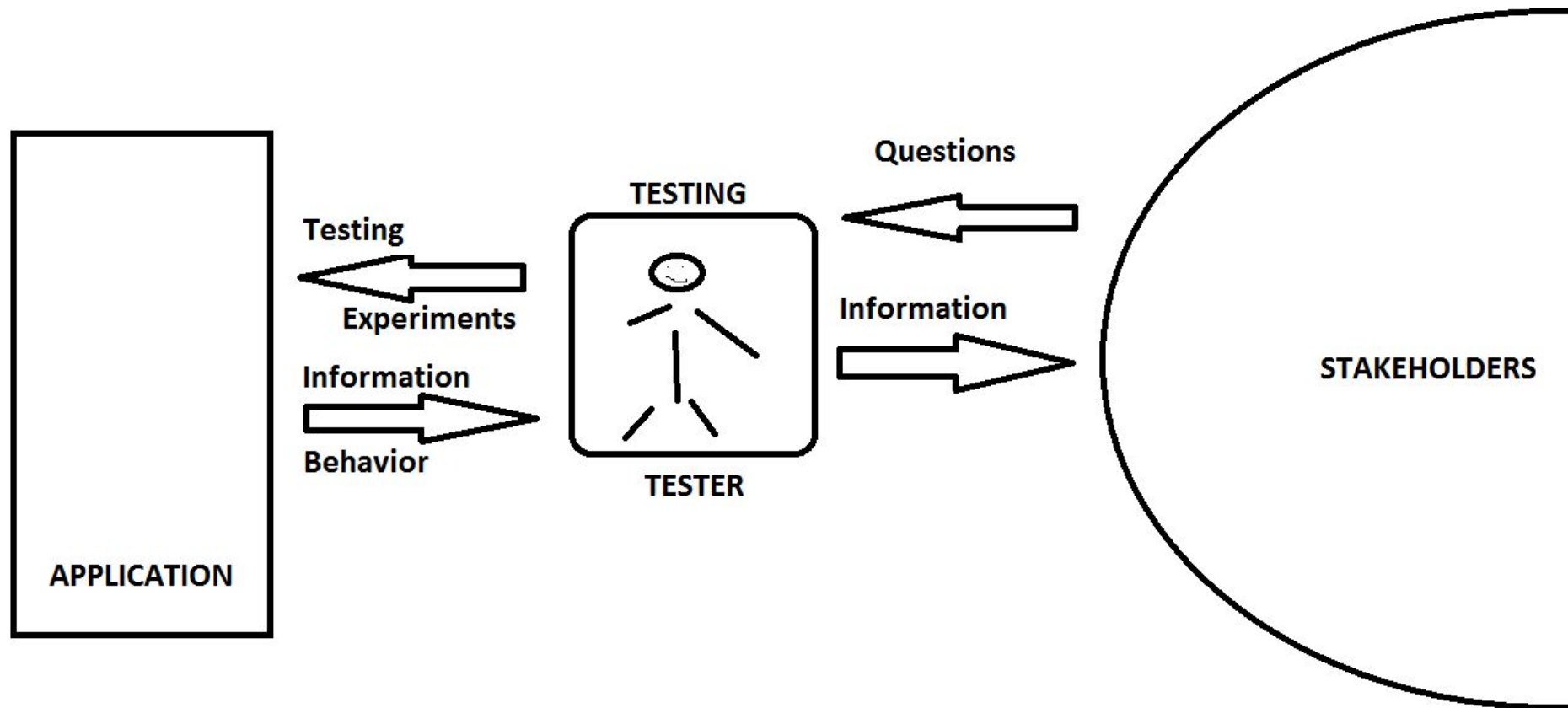
<https://arborosa.org/2015/06/14/what-is-testing/>

CEM KANER
JAMES BACH
BRET PETTICHORD

Lessons Learned in ***SOFTWARE TESTING***



A Context-Driven Approach





Library

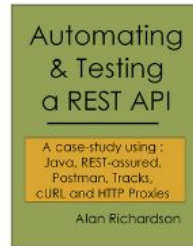
Library Archive



Selenium WebDriver
Alex Collins and Yujun Liang



Software Testing as a
Martial Art
David Greenlees



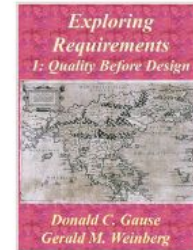
Automating and
Testing a REST API
Alan Richardson



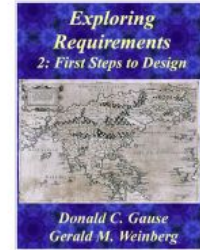
Bad Tests, Good
Tests
Tomek Kaczanowski



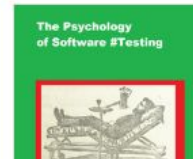
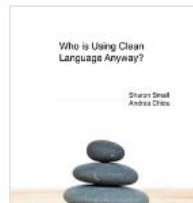
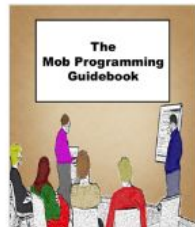
The Problems With
Software Testing
Rob Lambert



Exploring
Requirements One
Gerald M. Weinberg



Exploring
Requirements Two
Gerald M. Weinberg



https://leanpub.com/user_dashboard/library



Java Testing Weekly 1 / 2016

Petri Kainulainen January 4, 2016

12 comments

[AngularJS](#), [BDD](#), [Clean Code](#), [Design](#), [Selenium](#), [TDD](#)



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There are many software development blogs out there, but many of them don't publish testing articles on a regular basis.

Also, I have noticed that some software developers don't read blogs written by software testers.

That is a shame because I think that we can learn a lot from them.

That is why I decided to create a newsletter that shares the best testing articles which I found during the last week.



<https://www.petrikainulainen.net/weekly/java-testing-weekly-1-2016/>



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This is the largest (500+) collection of software testing blogs in the world. Each blog post appears as a link shortly after being published. Use our [contact form to submit a software testing blog](#).

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[#helpthelawyers founder has launched her second crowdfunding round and WILL have to SHUT DOWN COMPLETELY unless she meets her goal on Patreon.](#)

Author: noahsussman, Posted: February 26, 2017, 8:06 pm

[STP Radio: The Dominoes of Automation! Angie Jones and Paul Merrill](#)

Author: Michael Ensminger, Posted: February 26, 2017, 6:08 pm

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Testing Bits – 2/19/17 – 2/25/17

Comment



Here is this week's collection of articles, blogs, and announcements covering the days of 2/19/17 – 2/25/17.

Articles & Blogs

- 4 Steps to Rebuilding a Testing Team: Bringing Stability to Chaos – Raj Subramanian – <https://www.stickyminds.com/article/4-steps-rebuilding-testing-team-bringing-stability-chaos>

Testing Curator is launching a new service this year. **Sign up to our newsletter** to find out how you can be one of the first testers to access the ONLY comprehensive and searchable data warehouse of all things testing – Coming Soon!

Matt Hutchison

TESTING CURATOR



COMING SOON

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<http://blog.testingcurator.com/>

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About the Black Box Software Testing Courses

- These courses in software testing are available to AST members.
- We will accept up to 25 students on a first-come, first-served basis for each course offering.
- Each AST-BBST course includes video lectures, quizzes, homework of various kinds, and a final exam. All of the homework, and the exam, are peer-reviewed. Every participant in the course reviews work submitted by other participants and provides feedback and suggests grades.
- Each course lasts 3 weeks, plus 1 additional week for the exam. **You should expect to spend at least 12 – 14 hours per week on the course.** If you cannot dedicate this much time, please allow someone else to take the course instead.
- To take the course, you **MUST** agree to two policies:
 - [AST Course Site Acceptable Use Policy](#)
 - [Intellectual Property Policy for the Black Box Software Testing Courses](#)
- The Intellectual Property policy reflects the fact that while we teach these courses, we are doing detailed research on how to improve the teaching of software testing. In joining the course, you are agreeing to participate in an experiment (the course).
- It is essential that you review these policies before starting the course. If you do not agree to the policies, you cannot participate, because these policies govern your interaction with the other



Online Education for Testing Practitioners

Join us for the first course in our series. It presents the mission of testing, oracle problem, measurement problem, impossibility of complete testing.
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SUBSCRIBE

<https://www.associationforsoftwaretesting.org/training-2/courses/>



COURSES WE OFFER



BBST® FOUNDATIONS

Organized around four critical challenges in software testing:

- ✓ What the mission of a testing effort is and how the project strategy helps achieve that mission.
- ✓ How a tester can determine whether or not the program has passed a test.
- ✓ What the key challenges in



BBST® BUG ADVOCACY

Helps develop skills in effective bug reporting. Some of these skills are primarily technical, such as troubleshooting failures and isolating failure-producing configurations.

However, many bugs are left unfixed because they were not presented persuasively. The course applies lessons



BBST® TEST DESIGN

Our courses teach context-driven testing. Rather than relying on a few "best practices", we encourage you to adopt the approaches and techniques which are applicable to your project. To do this, you need to know a variety of techniques, with insight into their comparative strengths and blind spots.

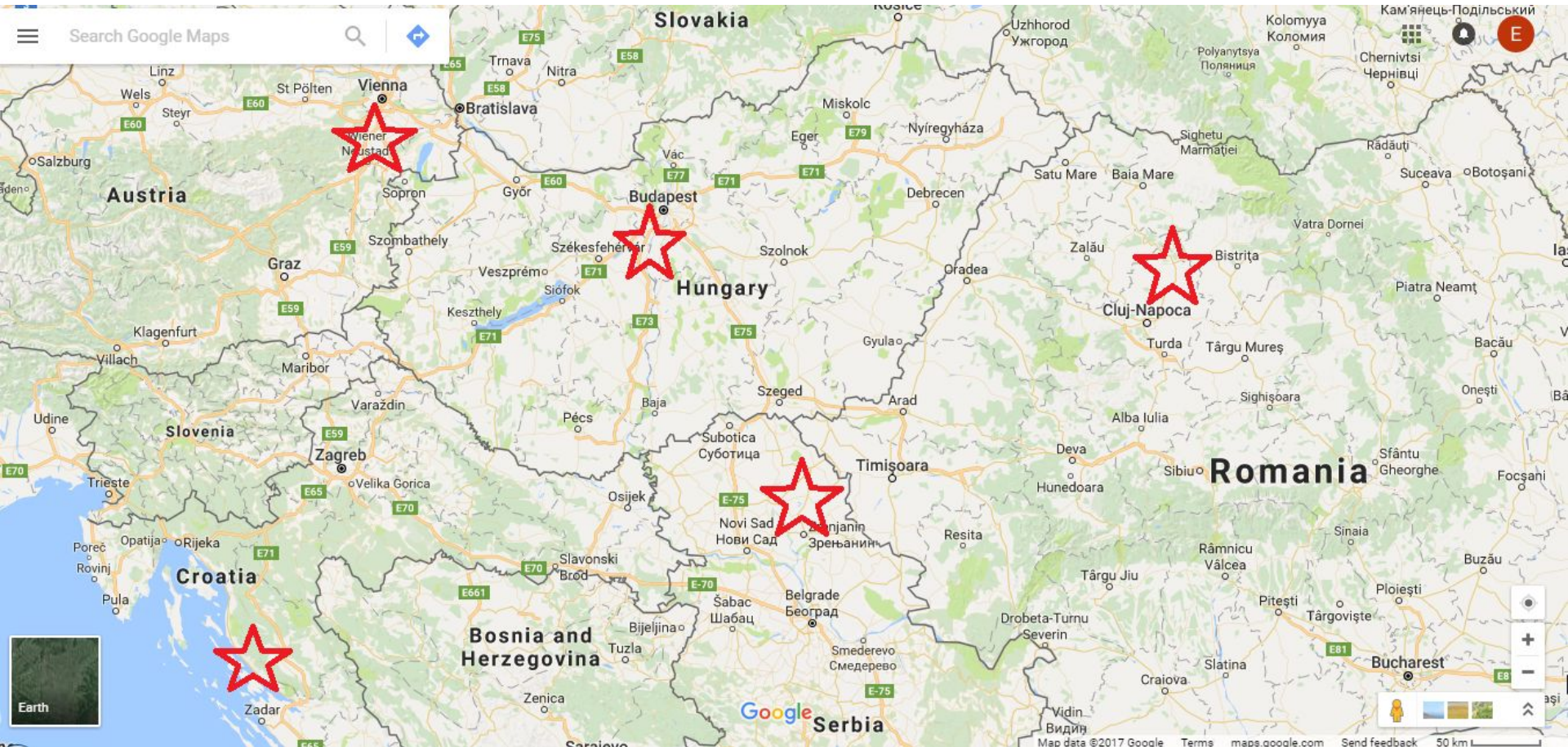


BBST® BUNDLE

Purchase all 3 courses in a bundle and save up to 400 euros.

The BBST series is designed as a sequence of courses, with each course building on skills introduced in the previous course. This gives students the opportunity to practice with and deepen testing skills. through an

<http://altom.training/>



<http://testingconferences.org/>

<http://www.testival.eu/> - Croatia - FREE

<http://www.romaniateesting.ro/> - Romania

<http://citconf.com/amsterdam2017/> - Netherlands - FREE

ages  #testing

#testing

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@BADtesting FOLLOWS YOU
Sharing QA & testing related items, bug news, IT security, social media & start-up stuff.
Followed by [testdawg](#) and 110 others

 Cassandra H. Leung and 2 others Retweeted



Michael Bolton @michaelbolton · Feb 26

1. You could "test like a user". You'll probably learn something from doing it. But that's only part of [#testing](#). So: test like a TESTER.

3 22 59

<https://twitter.com/hashtag/testing>

<https://twitter.com/hashtag/testers>

I. Definition / Role

II. Skills

skill

/skɪl/ 

noun

1. the ability to do something well; expertise.

"difficult work, taking great skill"

synonyms: expertise, skilfulness, expertness, adeptness, adroitness, deftness, dexterity, ability, prowess, mastery, competence, competency, capability, efficiency, aptitude, artistry, art, finesse, flair, virtuosity, experience, professionalism, talent, cleverness, smartness, ingenuity, versatility, knack, readiness, handiness; *informal* know-how
"once again, he demonstrated his skill as a politician"

verb

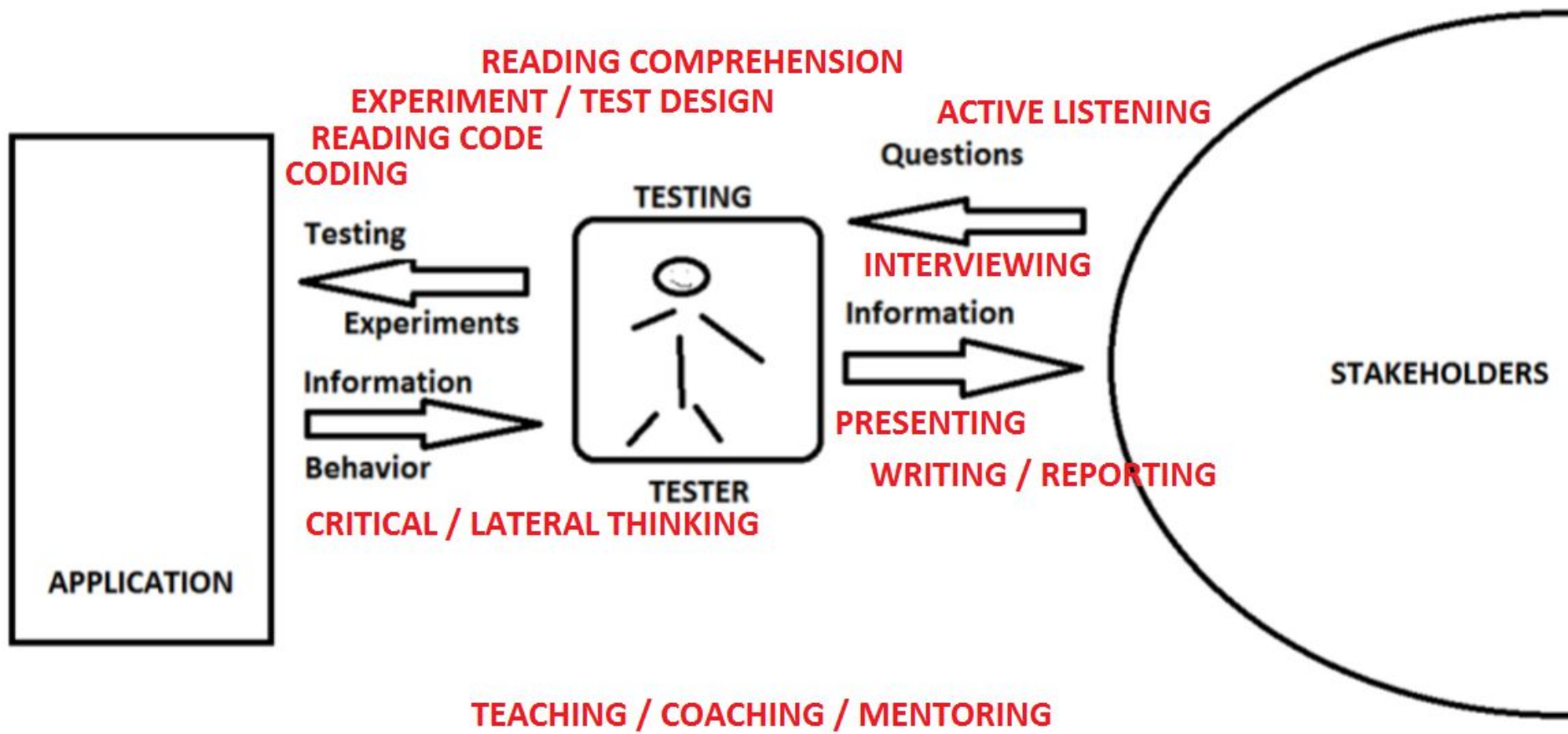
1. train (a worker) to do a particular task.

"there is a lack of basic skilling"



Translations, word origin, and more definitions

READING COMPREHENSION
CRITICAL / LATERAL THINKING
EXPERIMENT / TEST DESIGN
READING CODE
CODING
ACTIVE LISTENING
TEACHING / COACHING / MENTORING
PRESENTING
INTERVIEWING
WRITING / REPORTING



<https://dojo.ministryoftesting.com/>

<http://weekendtesting.com/>

<http://erik.brickarp.se/2015/08/practice-software-testing.html>

<https://www.utest.com/>

Improve your Technical Testing Skills

All our courses are taught by Alan Richardson : an experienced tester, consultant, author and keynote speaker with over 20 years of test and development experience:



Selenium 2 WebDriver Basics With Ja...

Learn to automate web applications using Selenium WebDriver with Java.



Alan Richardson

\$229.00



Technical Web Testing 101

Introducing the tools, techniques and thought processes that help you become more technical,



Alan Richardson

\$10.00



Evil Tester Talks: Technical Testing

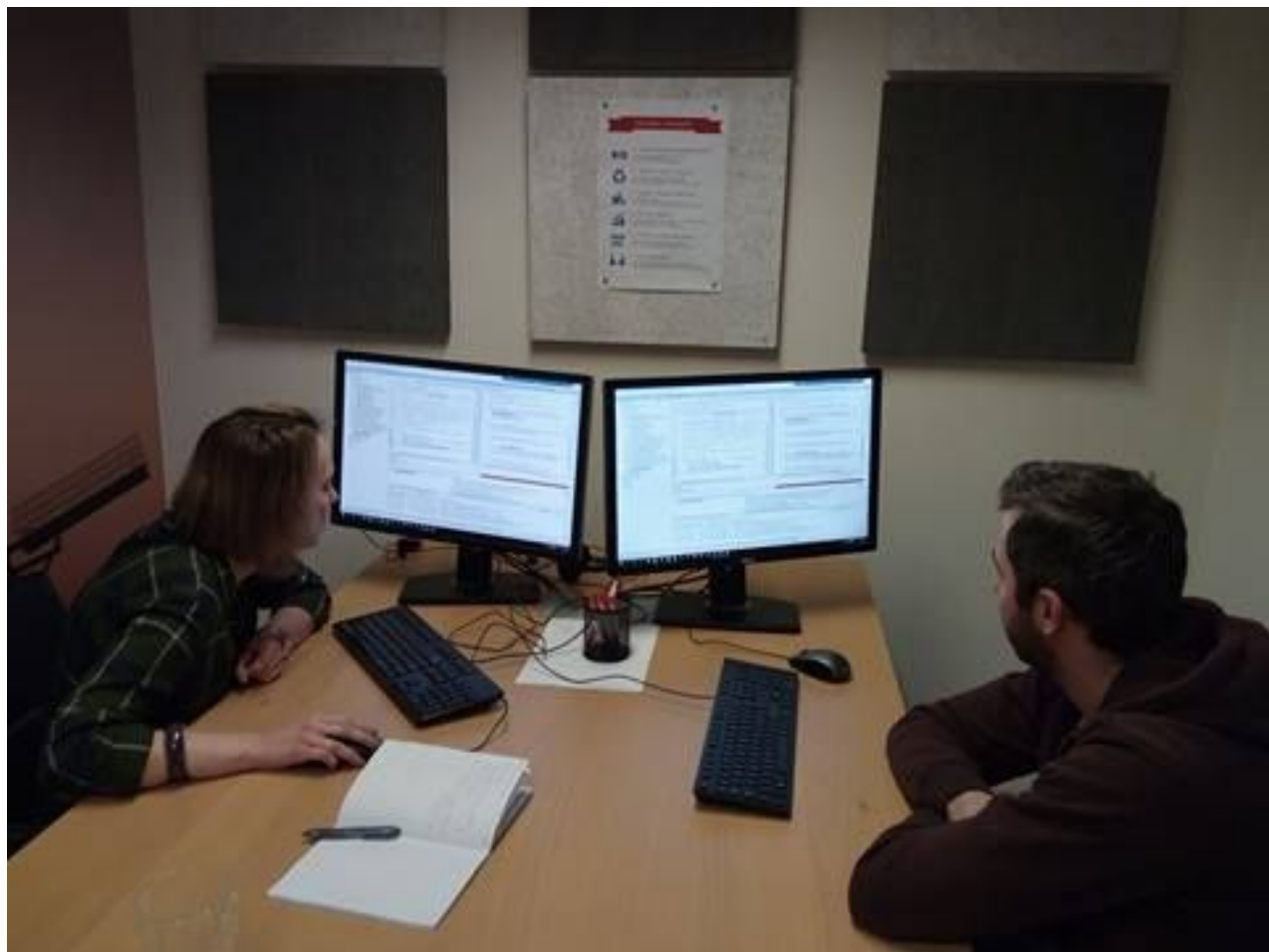
Technical Testing Conference talks, papers and additional information by "The Evil Tester"

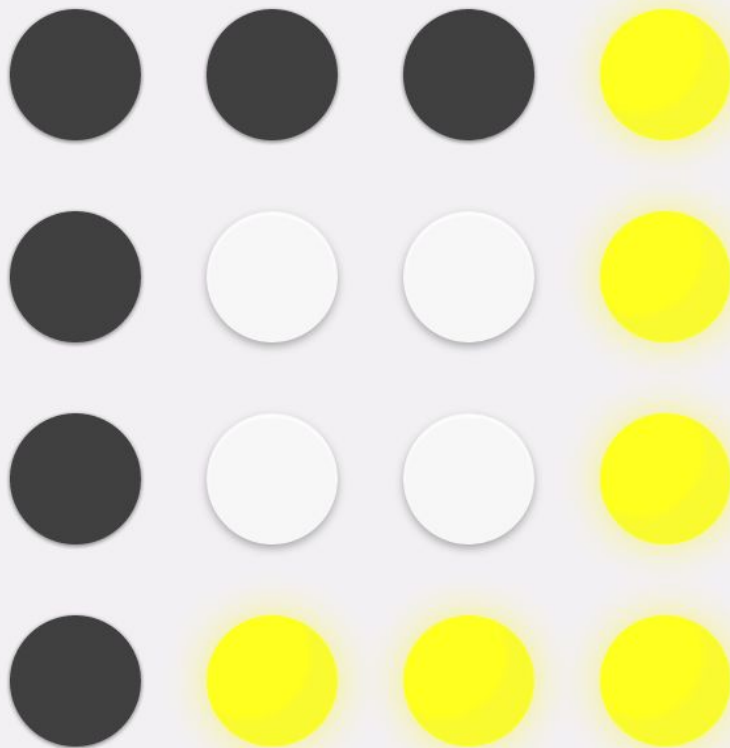


Alan Richardson

\$10.00

<https://compendiumdev.zenler.com/courses/technical-web-testing-101>





Puzzle 15
James Lyndsay - [@workroomprds](#)

Comments welcome

For reference: [Flash version](#)

© Workroom Productions 2015

<http://blackboxpuzzles.workroomprds.com/newtech/puzzle15.html>

Get in touch: join our slack channel: <http://slackinvite.me/to/testersbudapest>

The screenshot shows the Slack interface for the **#general** channel in the **testersbudapest** workspace. The left sidebar lists channels (**#general** and **#random**) and direct messages. The main area shows a message history starting from **February 20th**. A message from **erikhun** at 7:18 PM discusses a testing syllabus and provides a link to a transcript. Below it, a tweet from **WeekendTest Europe (@europetesters)** is shared. A message from **lj.szalai** at 9:58 PM confirms the fun nature of the events. A message from **zsuzsi** at 5:08 PM mentions a new member, **@buggylina**. At the bottom, there is a text input field with a plus icon and the placeholder text "Message #general".

testersbudapest ▾
● erikhun

🔍 All Threads

CHANNELS (2) +
general
random

DIRECT MESSAGES +
♥ slackbot
● erikhun (you)
♂ brigizs
○ dorka
○ feneri
○ gergobinszki
○ kmria
○ nagyidavid
♂ skati
● t.estee
○ zsmolnar
+ Invite people

#general
☆ | 👤 23 | 🗑️ 0 | Add a topic

February 20th

WTEU-73 – Building a testing syllabus | Weekend Testing
WTEU-73 - Building a testing syllabus

👍 1

erikhun 7:18 PM
Hey, yes, we could call it a Skype Meetup, why not. On the bottom of the link that Lestee copied you can read the transcript of the skype conversation (we were roughly a dozen of people), but maybe more useful the results of the brainstorming trying to create a learning syllabus for testers (for example: <http://weekendtesting.com/wp-content/uploads/2017/02/WTEU73-Group-D.pdf>, but there 2 other ones) and a even a real life example from an English university.
You can be notified of future events on twitter: <https://twitter.com/europetesters>

🐦 twitter.com
WeekendTest Europe (@europetesters) | Twitter
The latest Tweets from WeekendTest Europe (@europetesters). Europe Chapter of the Weekend Testers - <http://t.co/Nl9bOrwf3a> Test, Learn, Contribute. Europe

lj.szalai 9:58 PM
Hi there,
I can confirm that during Weekend Testing events you can learn a lot in funny way. (edited)

Yesterday

zsuzsi 5:08 PM
joined #general. Also, **@buggylina** joined.

+ Message #general

erik.horompoli@gmail.com

<https://twitter.com/erikhun>

<https://promptest.wordpress.com/>

How not to learn

<https://www.youtube.com/watch?v=ctiVIUg8hgz&t=11m23s>

Resources for a Beginner Tester

<https://docs.google.com/document/d/1en8zag1MctCtmqfFciNa-VcfavX1ou6O21QdswhmGnc/edit>



Skills - the survivors

- Interpreting
- Modelling
- Test design
- Note taking
- Bug reporting



#testbash



7:35

