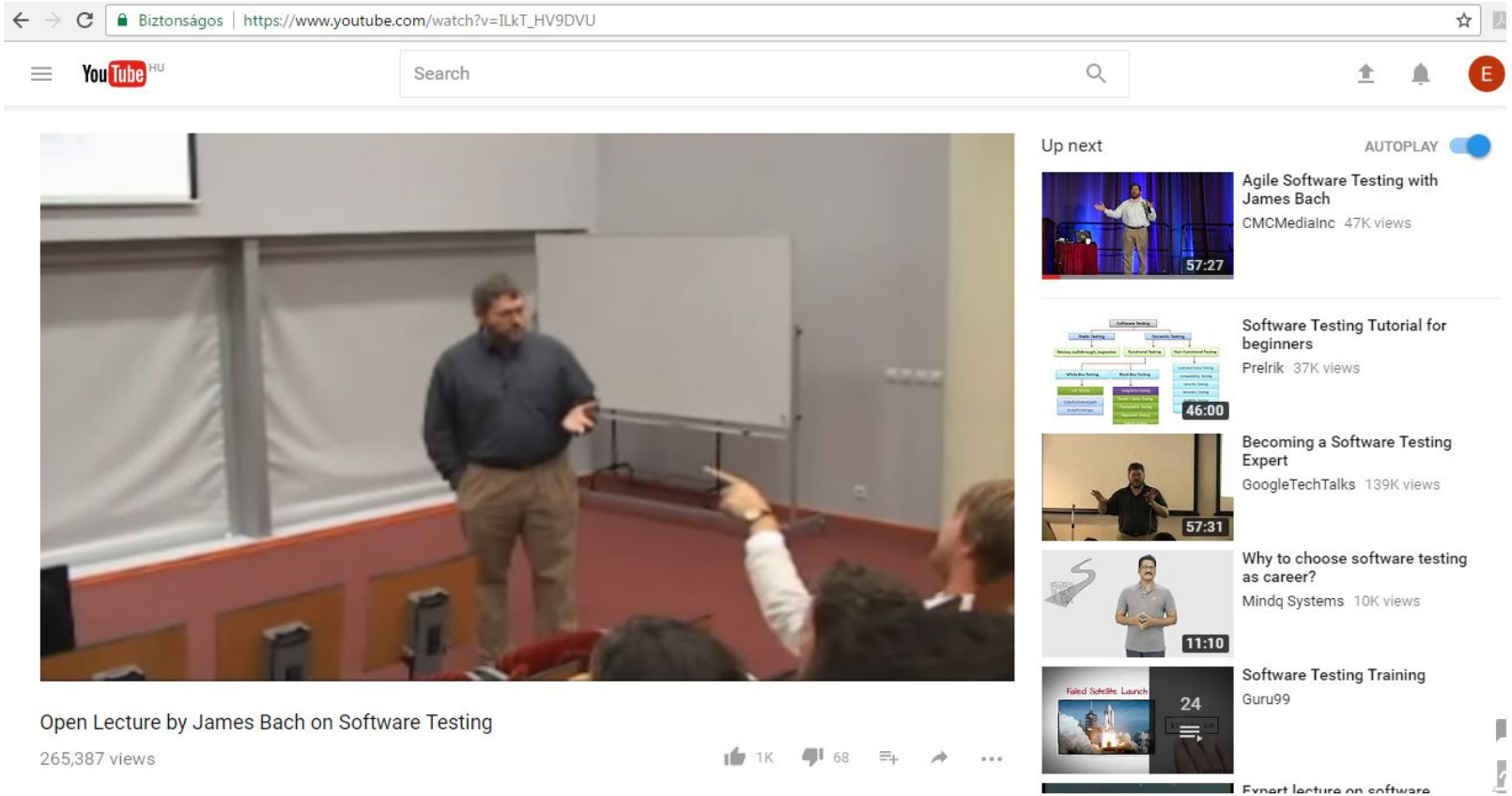
Learning and practicing software testing

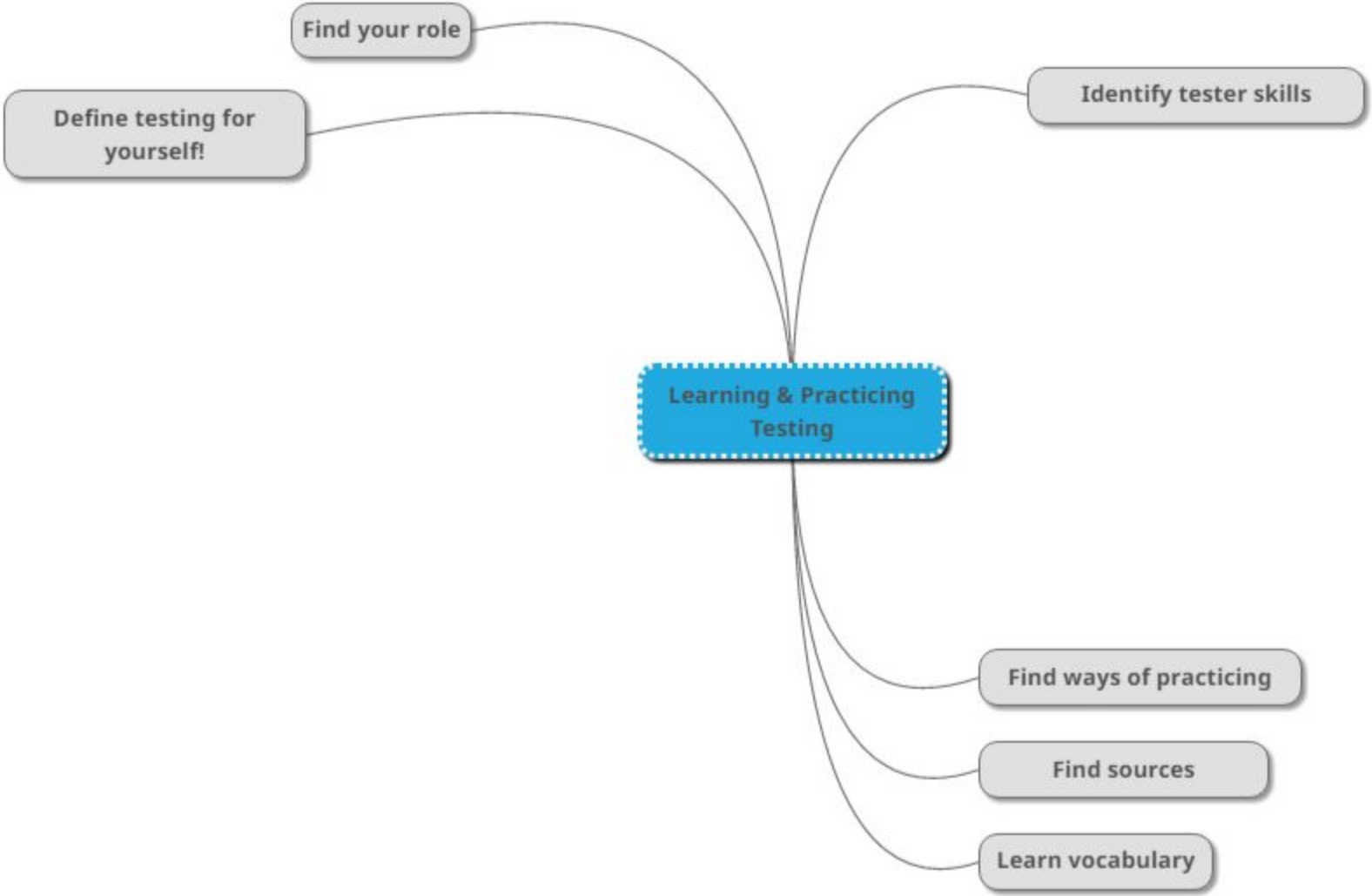
PálinQA_2017_02_28_Budapest



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

I. **Definition / Role**

II. Skills

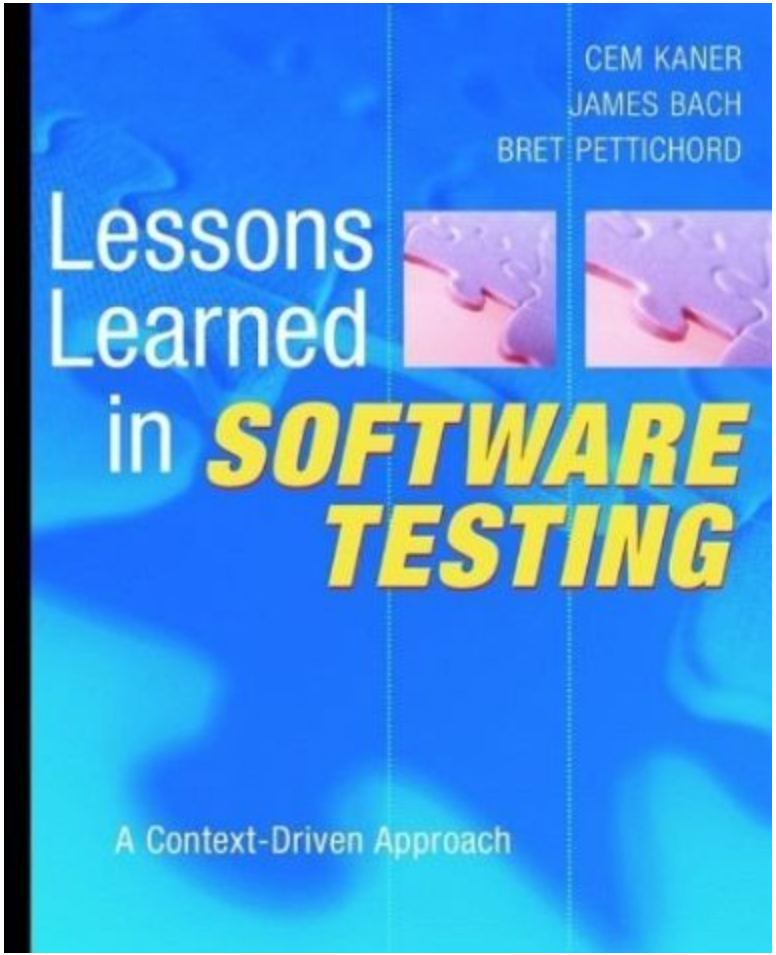

Find your role
Define testing for yourself!
Identify tester skills
Learning & Practicing Testing
Find ways of practicing
Find sources
Learn vocabulary

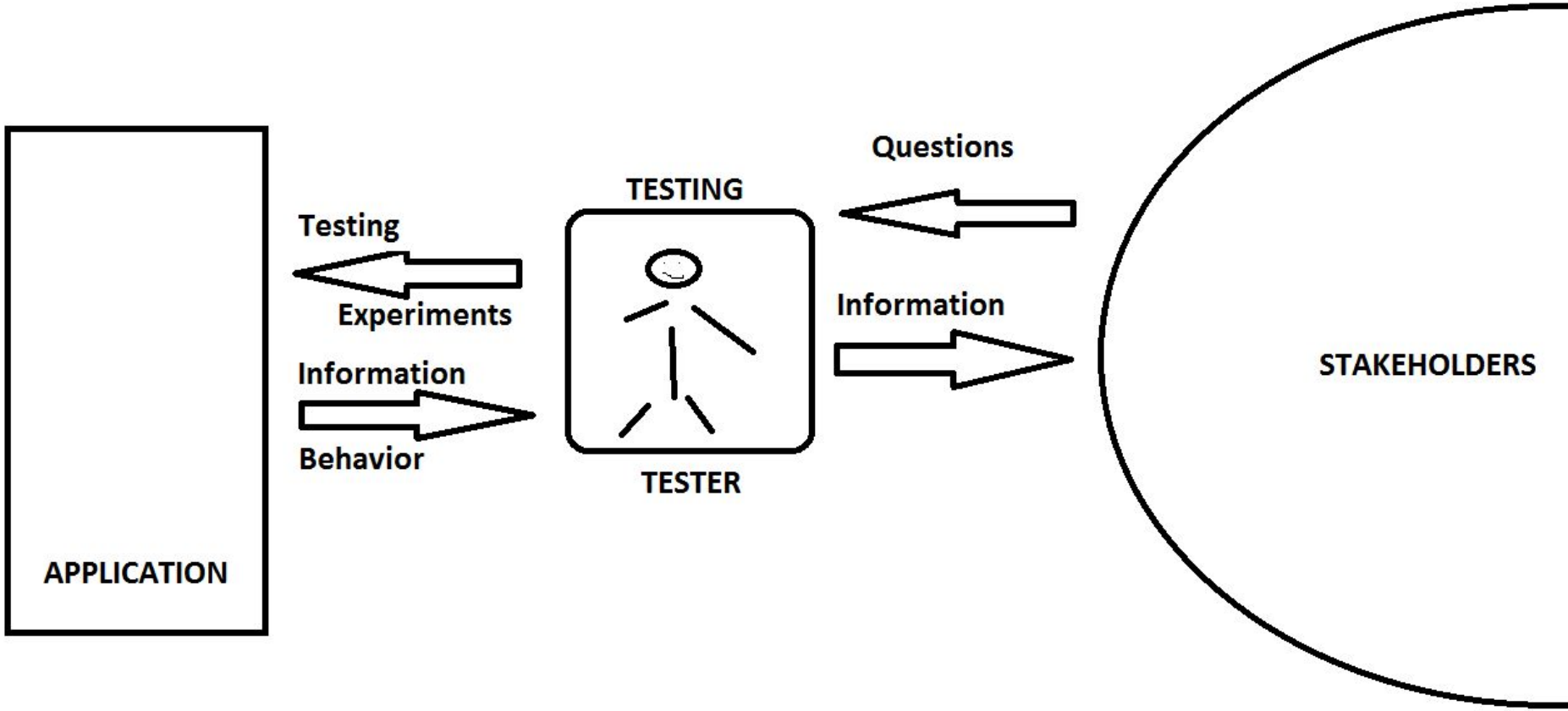
What is testing?

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 Views that are based on the changes in computer and software development one would expect to be outdated but often still are in use today.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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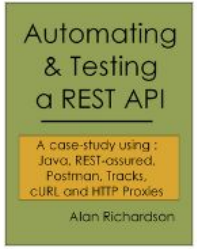
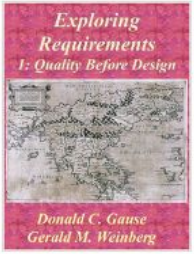
Software Testing as a Martial Art
David Greenlees



Automating and Testing a REST API
Alan Richardson

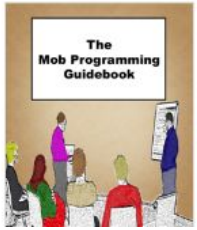
Bad Tests, Good Tests
Tomek Kaczanowski

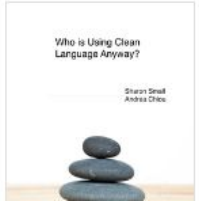
The Problems With Software Testing
Rob Lambert



Exploring Requirements One
Gerald M. Weinberg

Exploring Requirements Two
Gerald M. Weinberg





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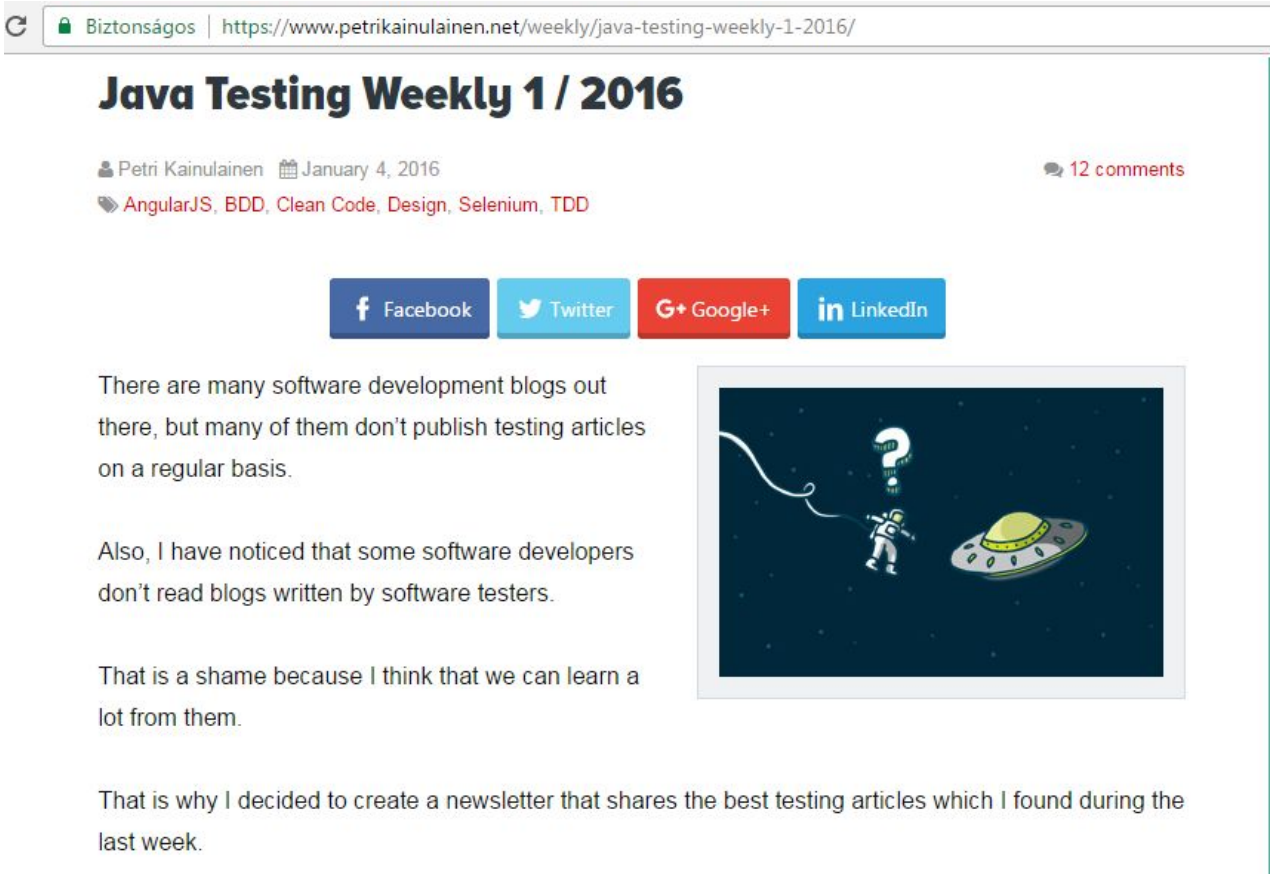

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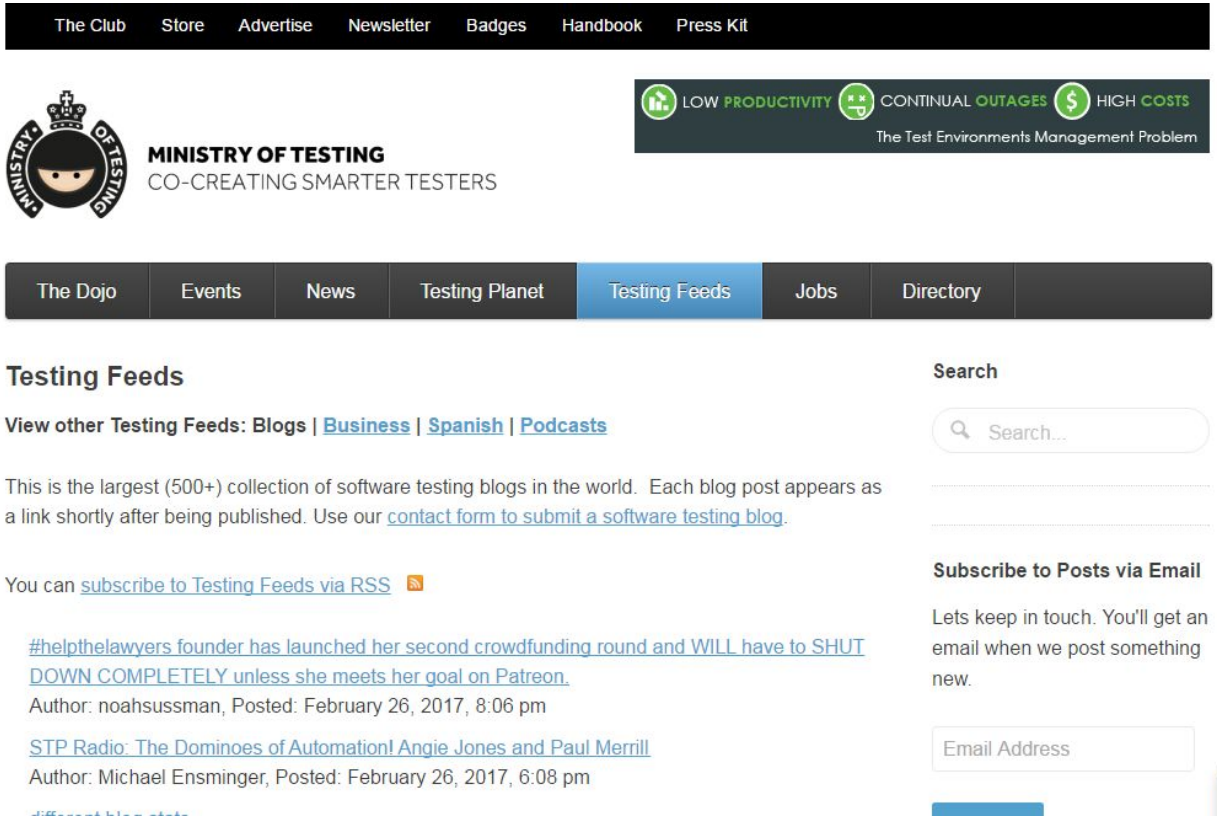

https://www.ministryoftesting.com/testing-feeds/

SUNDAY, FEBRUARY 26, 2017

Testing Bits – 2/19/17 – 2/25/17

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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

Tweets by @testingcurator

http://blog.testingcurator.com/

AST-BBST COURSES

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

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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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ABOUT COURSES CONTENT OWNERS FAQ BLOG 0

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

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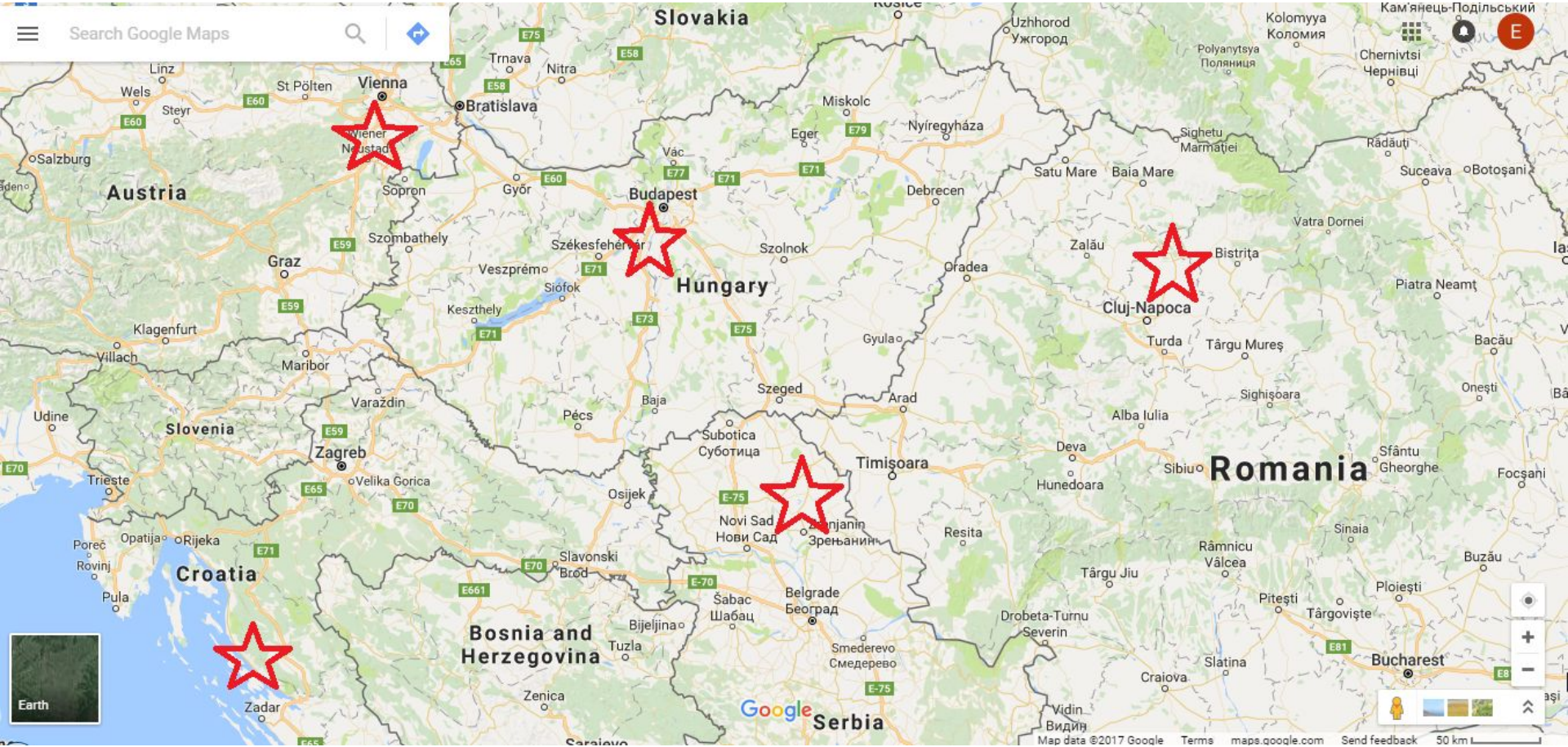
http://altom.training/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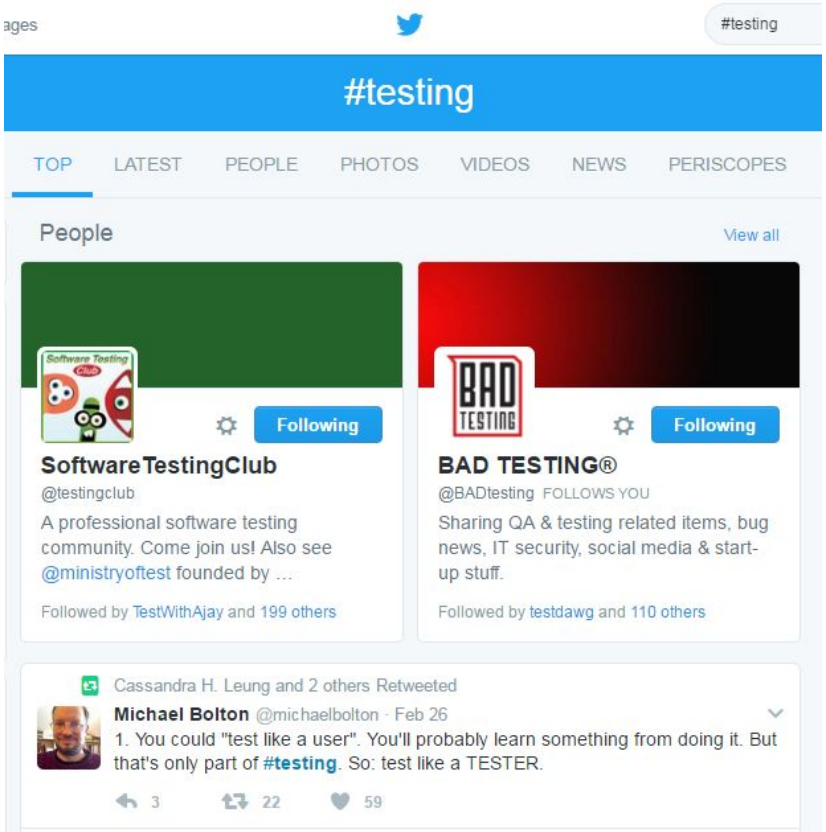

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https://twitter.com/hashtag/testers

I. Definition / Role

II. Skills

skill

/skɪl/

noun

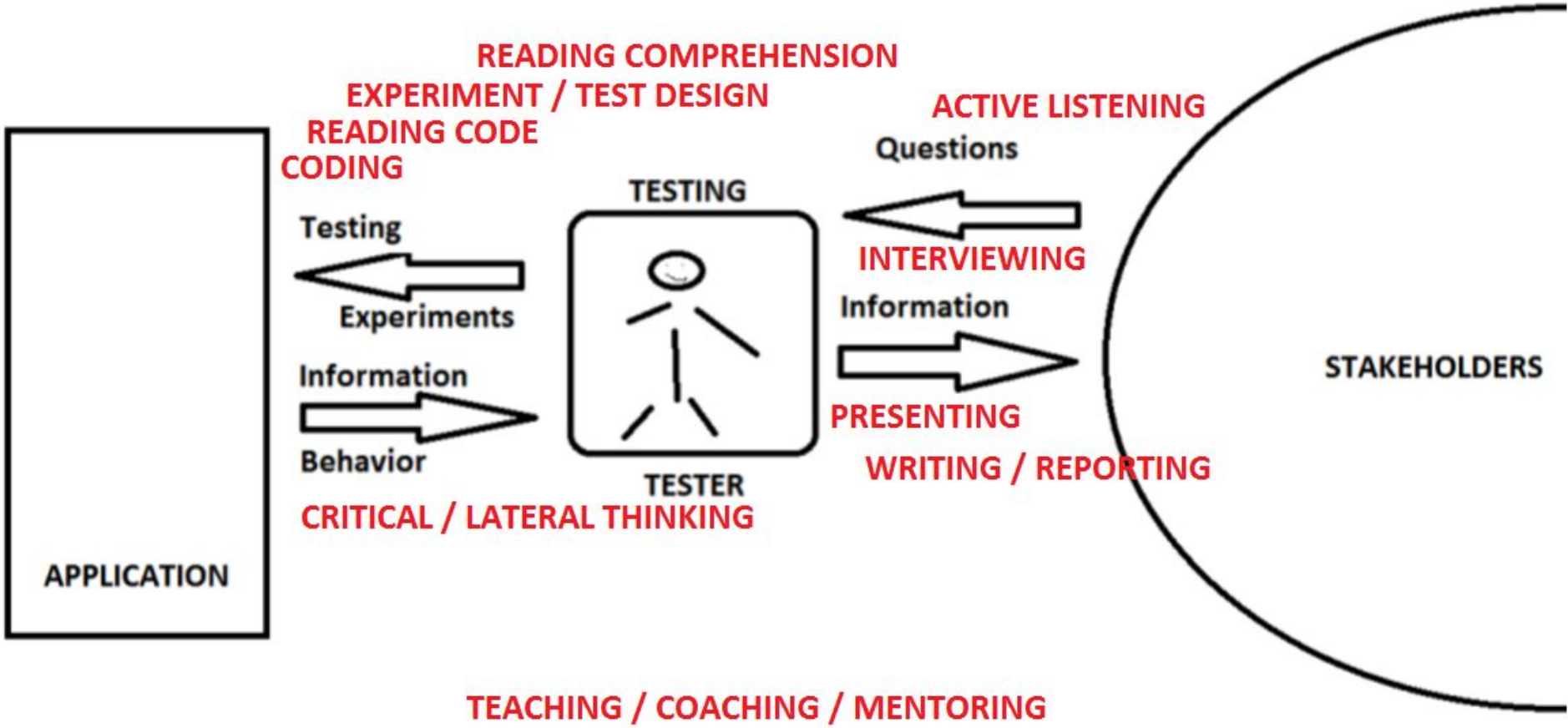
1. the ability to do something well; expertise.
   "difficult work, taking great skill"
   synonyms: expertise, skilfulness, expertness, adeptness, adroitness, deftness, dexterity, ability, prowess, mastery, competence, competency, capability, efficiency, aptitude, artistry, art, finesse, flair, virtuosity, 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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EXPERIMENT / TEST DESIGN
READING CODE
CODING
ACTIVE LISTENING
Questions
TESTING
Testing
Experiments
INTERVIEWING
Information
Information
Behavior
PRESENTING
WRITING / REPORTING
TESTER
CRITICAL / LATERAL THINKING
APPLICATION
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http://erik.brickarp.se/2015/08/practice-software-testing.html

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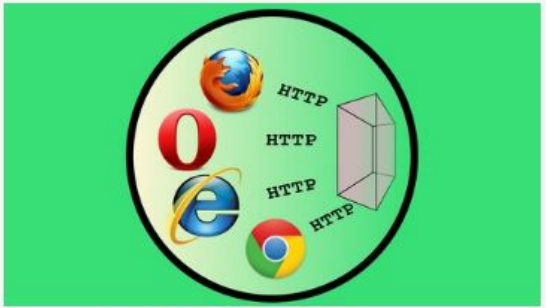

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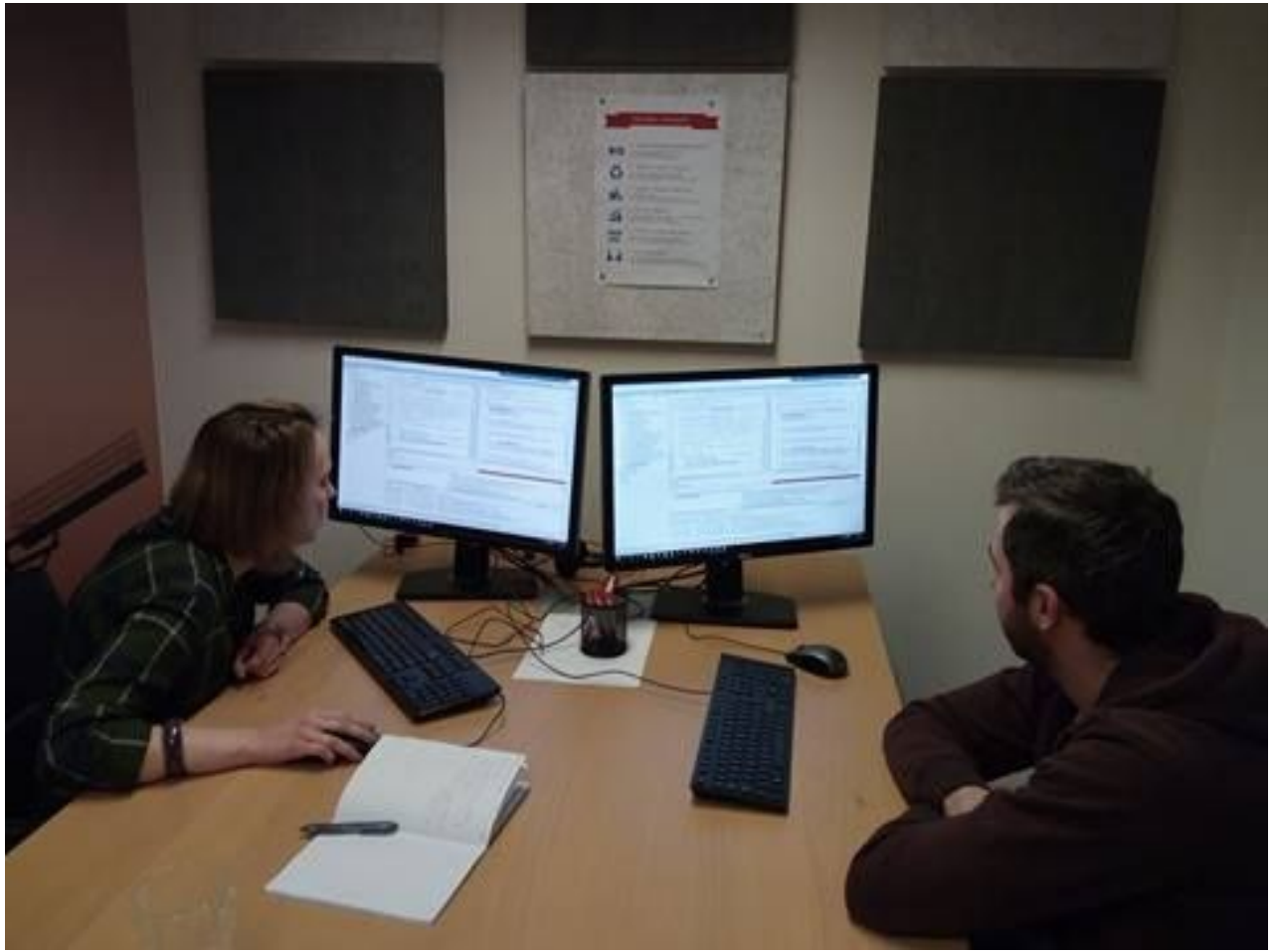

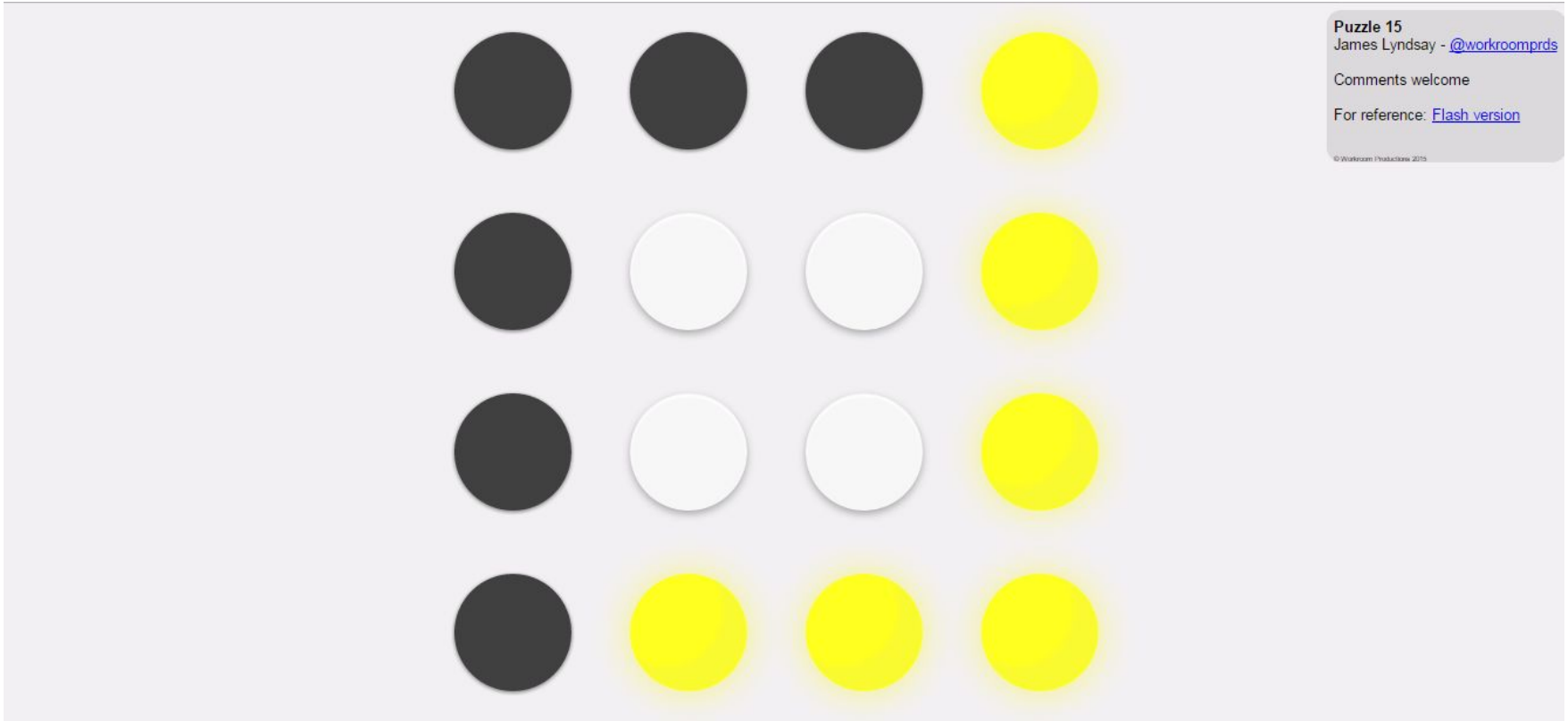

http://blackboxpuzzles.workroomprds.com/newtech/puzzle15.html

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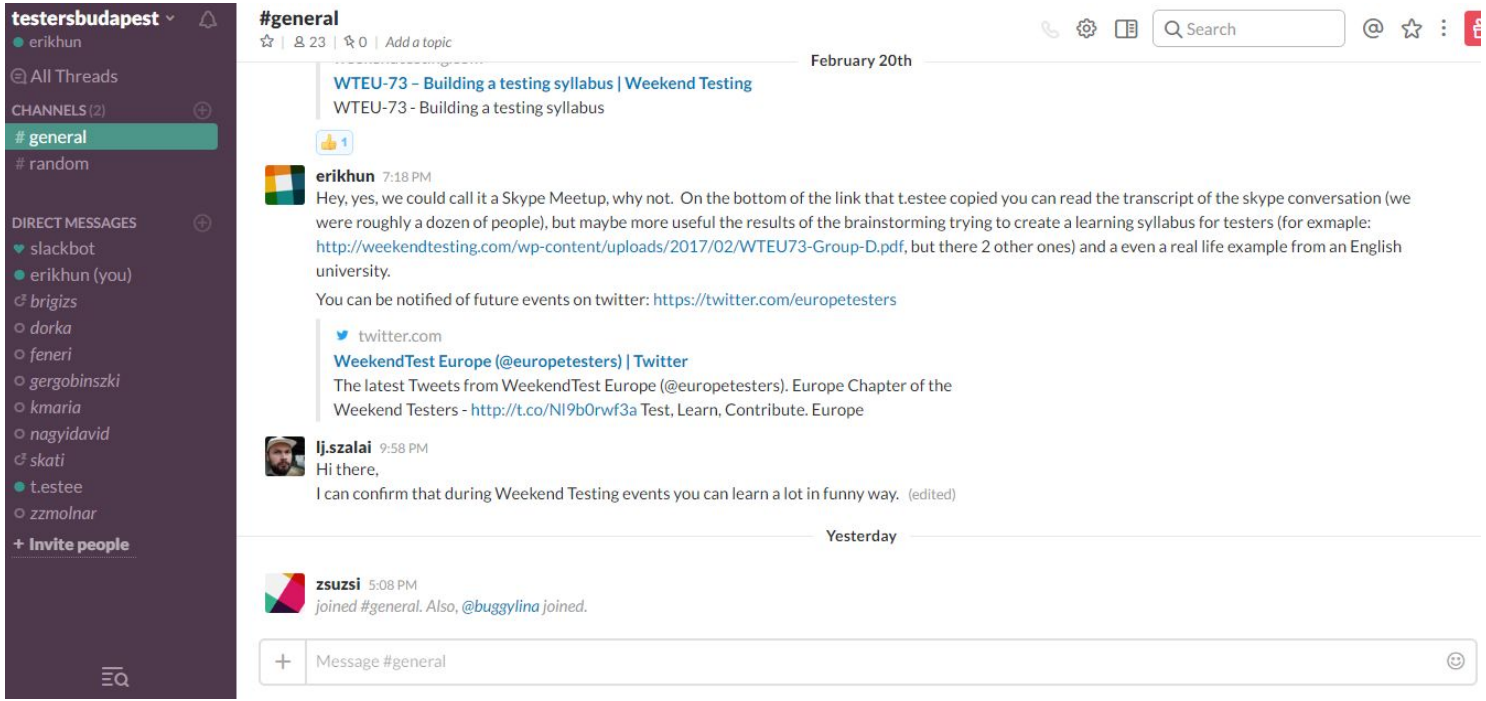

erik.horompoli@gmail.com
https://twitter.com/erikhun
https://promptest.wordpress.com/

How not to learn

https://www.youtube.com/watch?v=ctiVIUg8hzg&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

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