From idea to end user faster and with better quality

Kristian Karl, Spotify



Engineering Manager at Spotify







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MBT How to Supported features How to build it

Change Log

General workflow

Documentation Command Line Interface

Websocket API

Maven plugins

File formats Examples Download

License

REST API

Support

Getting started overview

Summary: GraphWalker is an open source Model-based testing tool for test automation. It's designed to make it easy to design your tests using graphs.

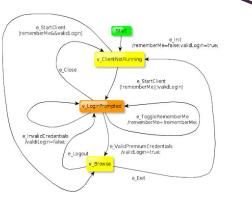
GraphWalker survey

We created a questionnaire which we would love our users to fill in. The purpose is to help us understand how GraphWalker is used.

Please go to GraphWalker Survey



A model can look like the one to the next. The model is collection of arrows and nodes and to ther they create a graph.



- An arrow represents an action.
- · A node represents a verification.

What GraphWalker does

Given a model and a generator rule, GraphWalker by mathematical algorithms generates a path which corresponds to your test idea. Next image illustrate such result.



graphwalker.org



Psychological safety





Gitte Klitgaard

more :) Cis, she/hers/her

Agile Coach, curious, believer in Altruistic

Reciprocity, hippie, friend, hugger, learner &

I love working with psychological safety. Creating a space for people to talk about things, contemplate, improve and learn. It is draining and rewarding at the same time.

Follow

V



Tweet your reply

Gitte Klitgaard @NativeWired - 12 Apr 2018 I keep learning about people and keep being amazed about the ideas people come up with to have that safe space for themselves and others. It is a privilige to help people open the gate to their ideas

Q tl 1 🗘 3 🖾 💟

Gitte Klitgaard @NativeWired · 12 Apr 2018 The more I work with it, the more I see just how important feeling safe is. Important to the work we do and the humans that we are

Q tl 3 (7 4 🗹 💟



 Gitte Klitgaard @NativeWired - 12 Apr 2018
 ✓

 Why draining you may ask?
 Holding the space, opening my heart, caring gives and drains.

 Facilitating intense sessions, reading people to see what they need to speak up it all costs energy.
 And it is worth it <</td>

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Karen Greaves @karen_greaves · 12 Apr 2018 Replying to @NativeWired I am amazed how much I have to reassure my team: I don't care what time they leave, I want them to invest in learning, they should take leave when they are sick, working from home is fine. Q1 11 0 4 Gitte Klitgaard @NativeWired · 12 Apr 2018 V It is amazing .. And just because they are not used to it .. Q_1 17 Karen Greaves @karen_greaves · 12 Apr 2018 Mostly it's because they have been told no in the past.





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Planning: understanding the whys



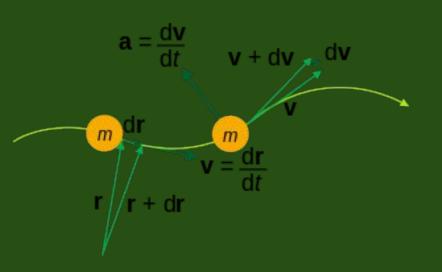


Realistic planning





Know your velocity



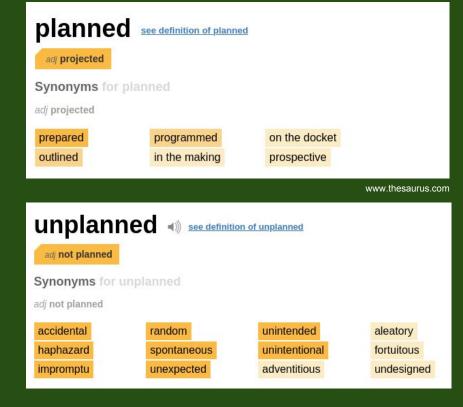


Capacity planning





Planned vs unplanned





Zero bug policy

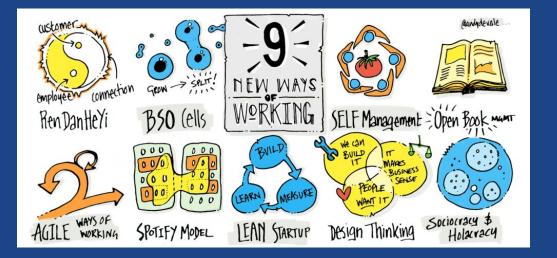








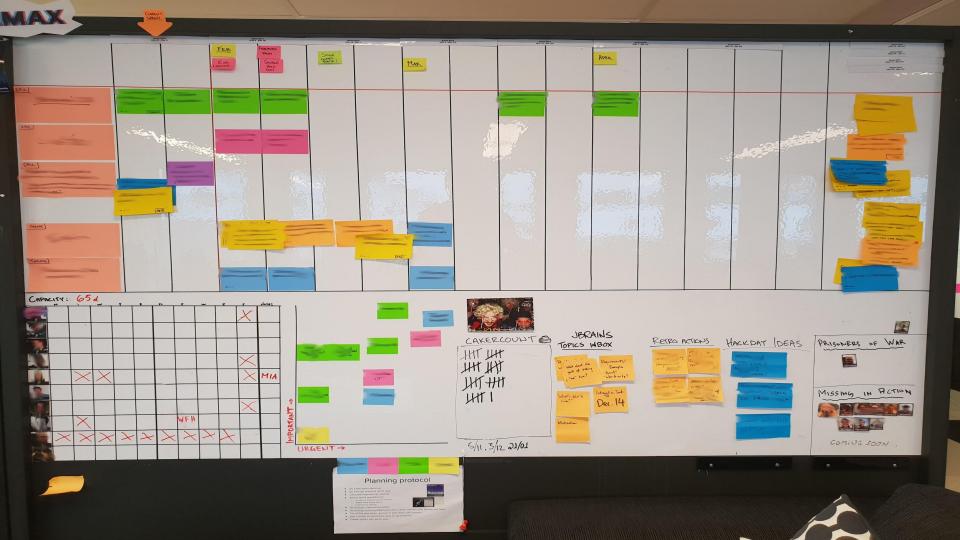




Ways of working









The silos within





Swarming and spiking





The T-shaped developer





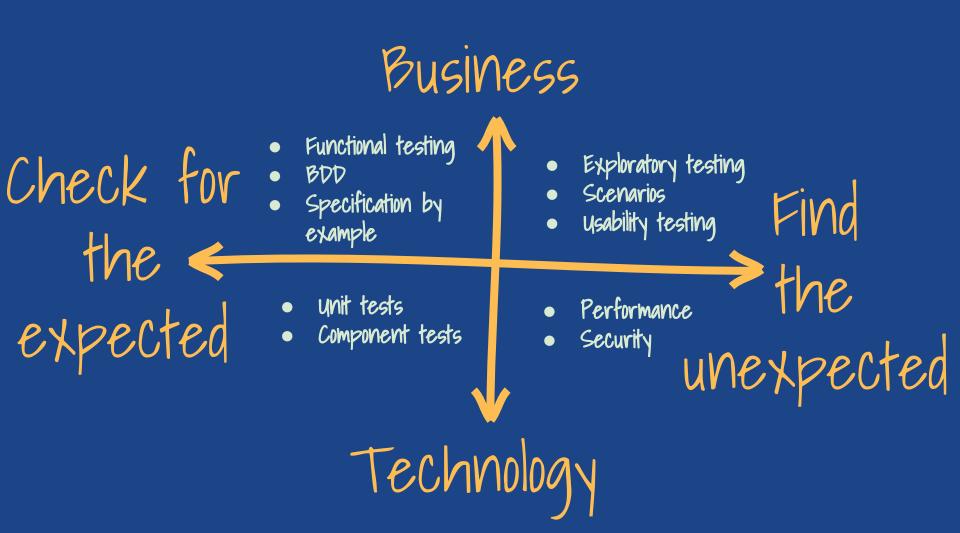
Always releasable master

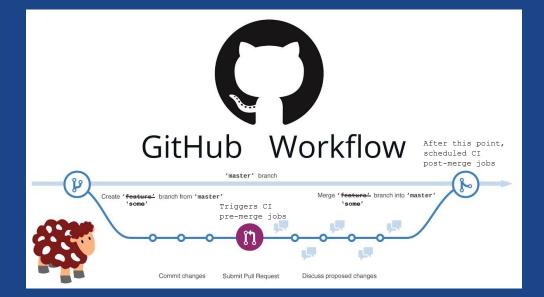




Testing and checking







Continuous Integration





Automation in Cl is designed to verify



Property-based Model-based Automation in post-merge is designed to find bugs

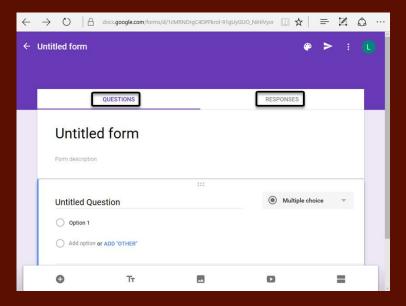


Testing in production





Getting feedback from users





Maintenance takes precedence







The outcome?

- Fewer incidents - More planned work finished - On-time deliveries

