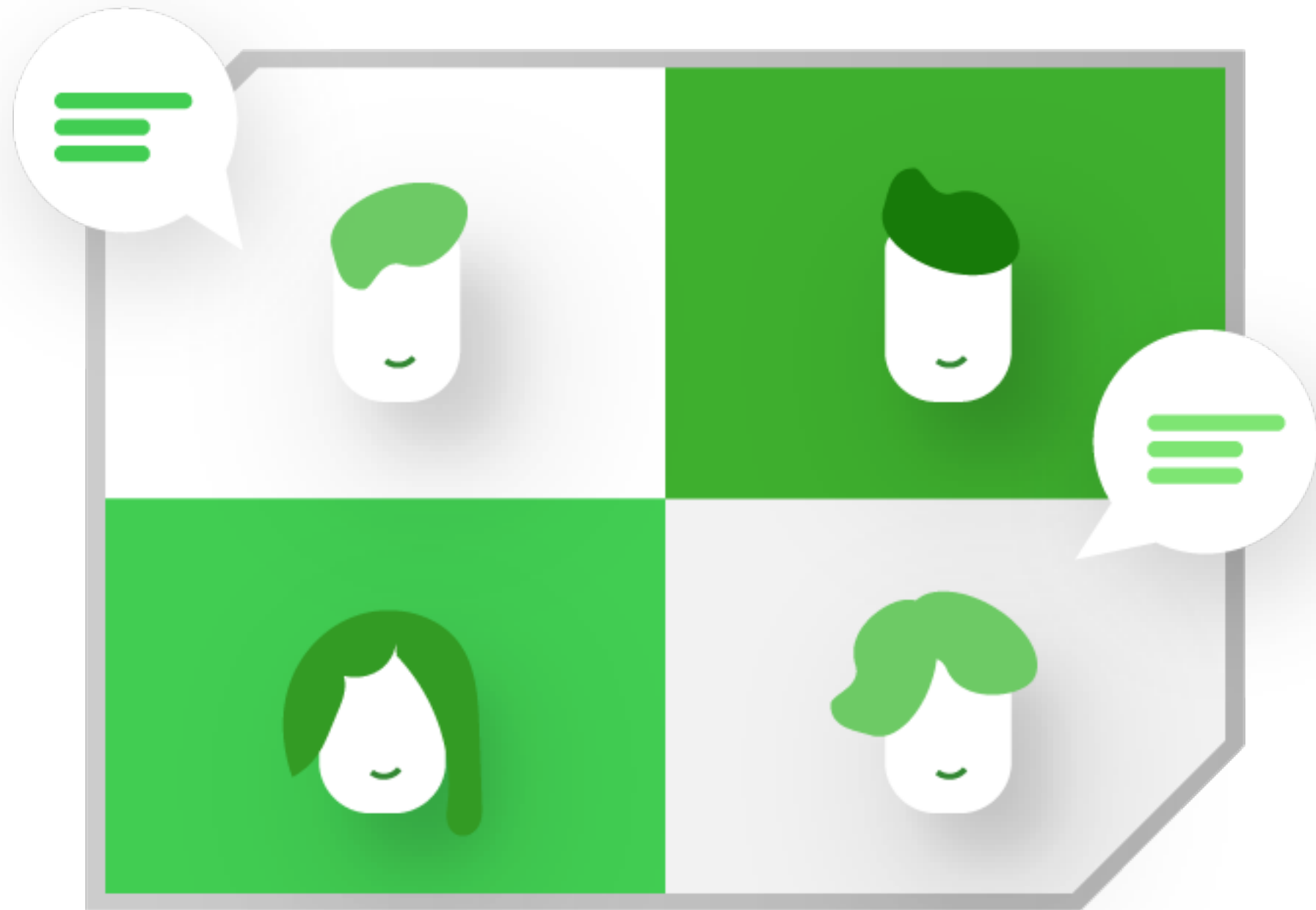


# Qt DESKTOP|DAYS

September 7th - 11th



## **Behaviour-Driven GUI Test Automation of Qt Applications**



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# Intro

Who am I?



Frerich Raabe

Software Engineer at froglogic

15 Years of Experience with:

- GUI Test Automation
- Test Coverage Analysis
- Code Coverage



# Intro

Functional, Behavior-Driven GUI Test Automation of Qt Applications using Squish

- What does it mean to do functional GUI Test automation?
- What does it mean to do Behaviour-Driven testing?
- What is Squish - and how does it help with all of this?

# Setting The Stage

What is functional GUI Test Automation?

- As Qt-based apps grow in complexity, so do their GUIs.
- Manual testing tedious at best. Slow & error-prone.
- Automation of tests makes testing scale.
- Functional testing fosters portability and stability.

# Setting The Stage

What is „Behavior-Driven“?

- Describe desired Behavior („What?“) instead of Implementation („How?“)
- Involve Domain Experts early
- Accessible Domain-Specific Language (DSL) fosters collaboration

Feature: Register Attendee

**Given** there is a registered attendee with the email address foo@bar.com

**When** a user tries to register with the same email address

**Then** the registration attempt should get rejected

# Setting The Stage

## What is Squish?

- Cross-platform tool for functional GUI Test Automation
- Dedicated support for Qt (Widgets & QML) applications running on embedded, mobile, and desktop.
- Built-in support for Behavior-Driven Testing
- First release in 2003, used by thousands of customers in all industries.

# Live Demonstration

# Want To Know More?

Get In Touch & Try It Yourself

- Get In Touch: [contact@froglogic.com](mailto:contact@froglogic.com)
- Behavior-Driven Development: <https://bdd.tips>
- Qt GUI Test Automation: <https://www.froglogic.com/squish/>

**Free Squish Trial**

<https://www.froglogic.com/squish/free-trial/>



# Questions & Answers

**Thank you!**