PropErty Based Testing

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- Underestanding DOs and DON'Ts of PBT
- Formulating your own properties for pure functions
- Designing and generating test data sets on the fly
- And making you eager for more!

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- github.com/spilgames/PBT-ErlangDCRB13
 - ► README.md
 - ► Makefile + rebar
 - src/ with source and properties
 - test/*_eunit.erl as test controllers

- What properties should hold?
- Properties document your code
- Properties generate the testcases
- Shrinking towards the smallest input that crashes

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PropEr A QuickCheck-Inspired Property-Based Testing Tool for Erlang

- Open Source
- Plenty of documentation
- Using & contributing via Github

- Available for multiple languages
- Trainings and support (at a price)
- Pulse for concurrency issues



- Start with simple tests
- Think properties
- · Always test your generators first
- Test a reasonable success/error rate

- Property Driven Development is not a thing
 - Thinking properties is hard
 - Refactoring properties is hard
 - Manual basic testcases help you think
- Naming is essential
- Avoid reimplementating + comparing
- PBT finds stuff you'd never think of

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- PropEr @github
- PropEr Docs
- Quickcheck For Erlang
- Concuerror @github
- Concuerror Presentation





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