

IN 80 TAGEN UM DIE WELT
ODER
WIE SCALA MICH VERÄNDERTE



Andreas Boss



Jörg Bächtiger



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SCALA

Consistent

Type safe

Scalable

Flexible

Concise

Object
oriented

Functional

Simple(r)

Inter-
operable

Expressive

If you always do what you've always done,
you'll always get what you've always got.

Henry Ford

MOTIVATION

Fun

Learn
new stuff

Become
smarter

Attract
new
employees

Quality

Push
others

HOW WE STARTED

Workshop

**Conference
videos**

Coursera

Tooling

**Training
course**

**Write
production
code**

**Get
coached**

CHALLENGES

SBT

Freedom of
choice

Under-
standability

Mocking

Manageme
nt

Laggards

Embrace
functional
paradigm

EXPERIENCES

Quality

Learning
curve

It is a
process
and takes
time

Inter-
operable

Less code

Java-style
scala

Freedom

Elegant

Concise

EXPERIENCES

To become competent you must feel bad

Hubert Dreyfus

EXPERIENCES

Quality

Learning
curve

It is a
process
and takes
time

Inter-
operable

Less code

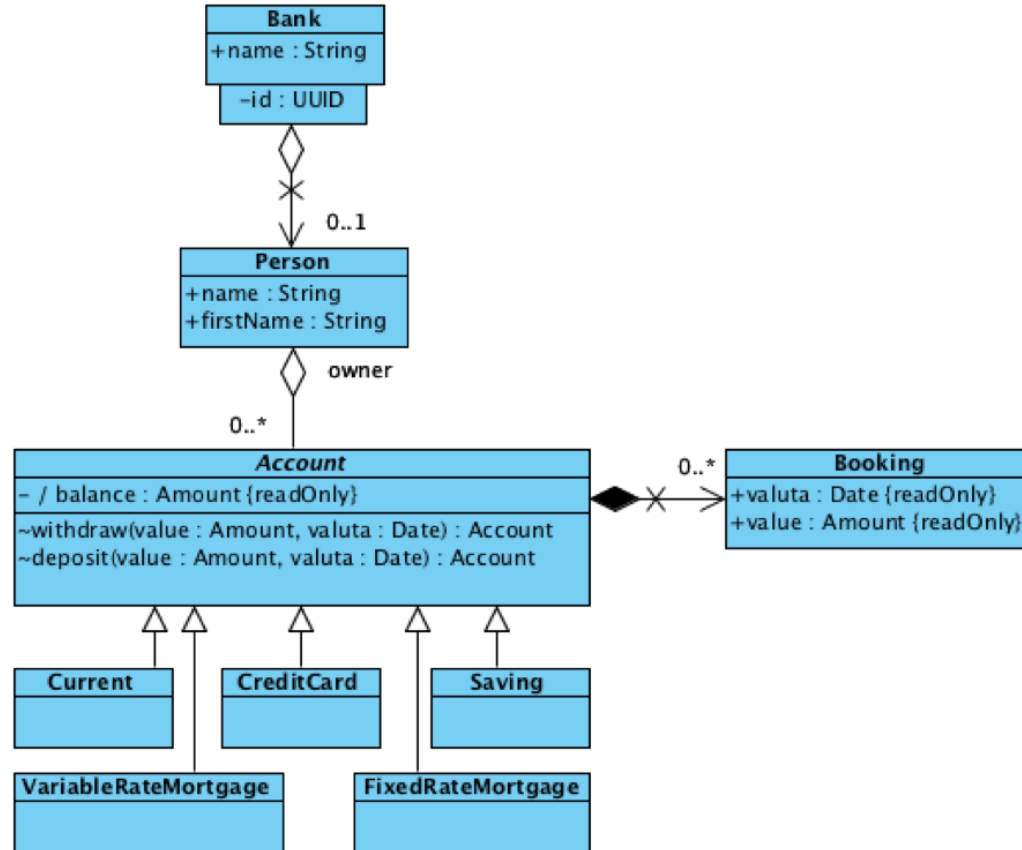
Java-style
scala

Freedom

Elegant

Concise

LIVE CODING



IMMUTABILITY

**Value
semantic**

**Single
writer
principle**

**Complexity
reduction**

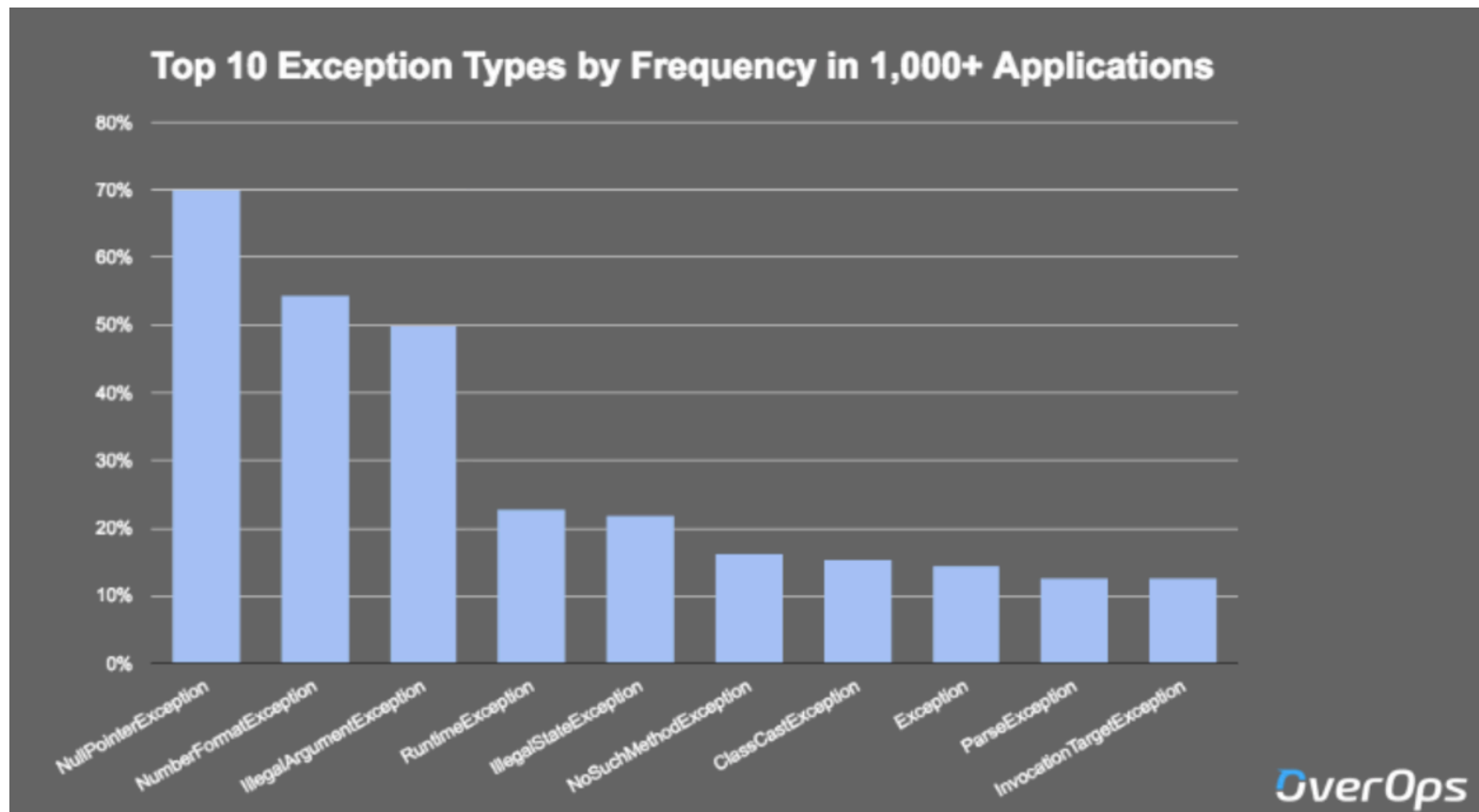
**Better
performance**

**Failure
atomicity**

Cacheable

**Inherently
thread-safe**

LIVE CODING

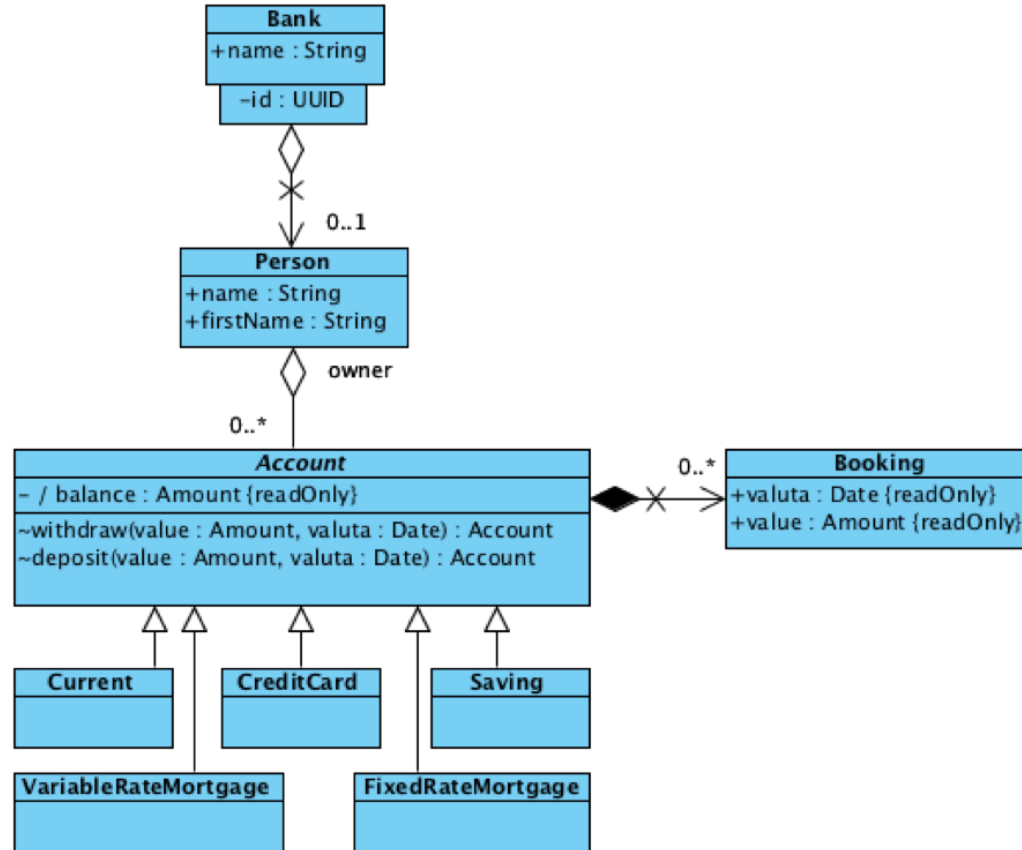


LIVE CODING

“This (null reference) has led to innumerable errors, vulnerabilities, and system crashes, which have probably caused a billion dollars of pain and damage in the last forty years.”

*Sir Charles Antony Richard Hoare
(Tony Hoare, inventor of ALGOL W)*

LIVE CODING



ACCOUNT CONSTRAINTS

	Overdraw	Withdraw Limit	Fee
Current	Limited	Limited	Balance based
Variable rate Mortgage	N/A	N/A	Timebased
Fixed rate Mortgage	N/A	N/A	Fix
Credit Card	Limited	Timebased limited	Balance based
Saving	No	Limited	None

PROSPECTS

**Scale in-
house**

**Further
training**

**Use in new
projects**

**Enabling
people**

**Use more
scala
features**

**New
technol-
ogies**

QUESTIONS

**THANK YOU
FOR YOUR
ATTENTION**