

Building next-generation enterprise applications in Java

a.k.a. Duke's Duct Tape Adventures at Jfokus



Paul Bakker

Sr. Developer at Luminis Technologies
@pbakker



Bert Ertman

Fellow at Luminis
@BertErtman

DISCLAIMER

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**What is an enterprise application
anyway?**





Functional vs. Non-functional

System capabilities

- Availability
- Capacity
- Extensibility
- Flexibility
- Manageability
- Performance
- Reliability
- Scalability
- Security
- Testability

How to accomplish that?

- Remoting
- Dependency management
- Caching
- Web Services
- Messaging (JMS)
- Scheduling / timers
- Load-balancing
- Fail-over
- Integration testing
- Asynchronous invocations
- Transactions
- Security
- Singletons
- ...

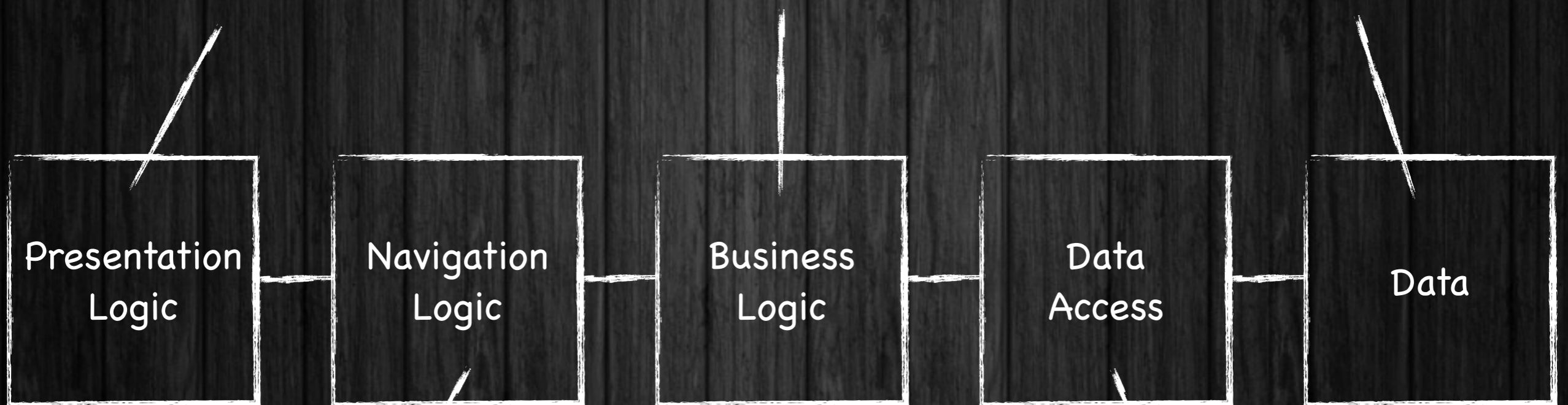
Architecture

Business rules/validations

Domain objects
Transactions

Data storage
Consistency

UI rendering
Client-side validation

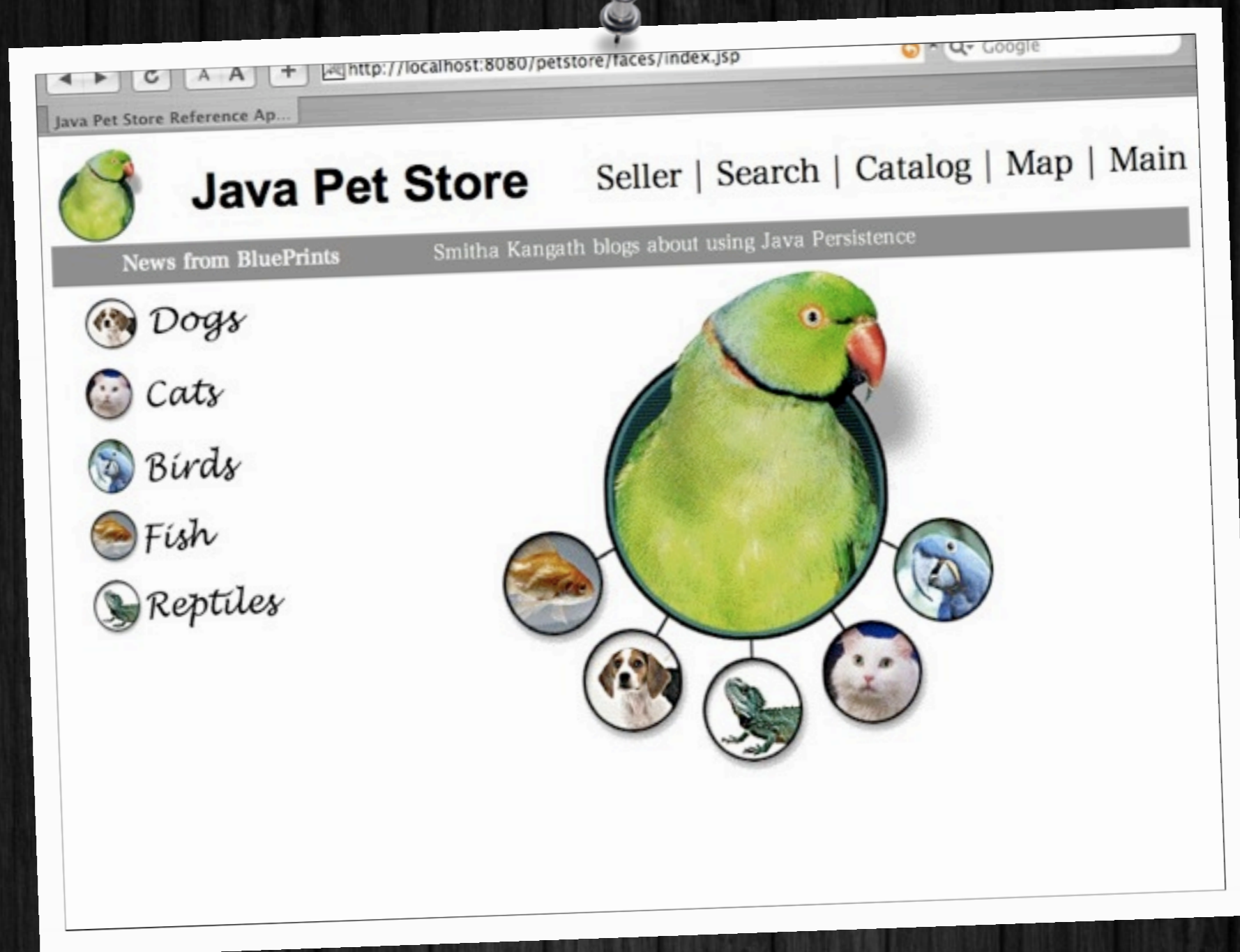


Screen/workflow
management

Object/relational mapping
Invoking Enterprise Information Systems

**So, what's the example
of a typical
enterprise application?**

WRONG!



Remember this?

Our toolbox

- Application Server – Glassfish v3.1
- Database – MySQL
- Build tool – Maven (ehhh...well)
- Java IDE – IntelliJ IDEA

But wait...

PET STORES SUCK...

Hmmm...let's think of a better analogy...

#qotd

“JAVA EE 6 IS THE DUCT
TAPE OF MODERN
ENTERPRISE DEVELOPMENT”

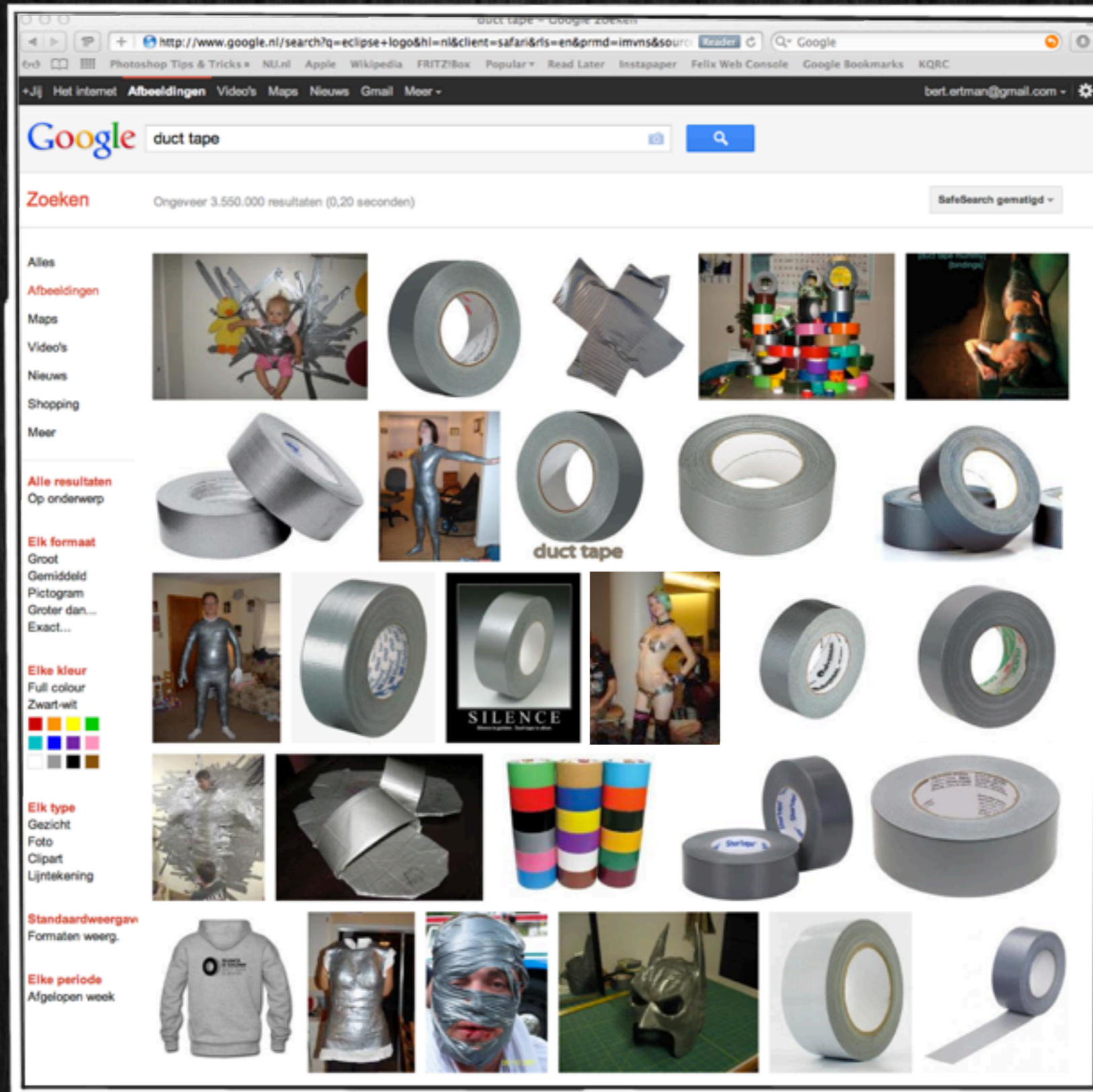
Let's visualize...

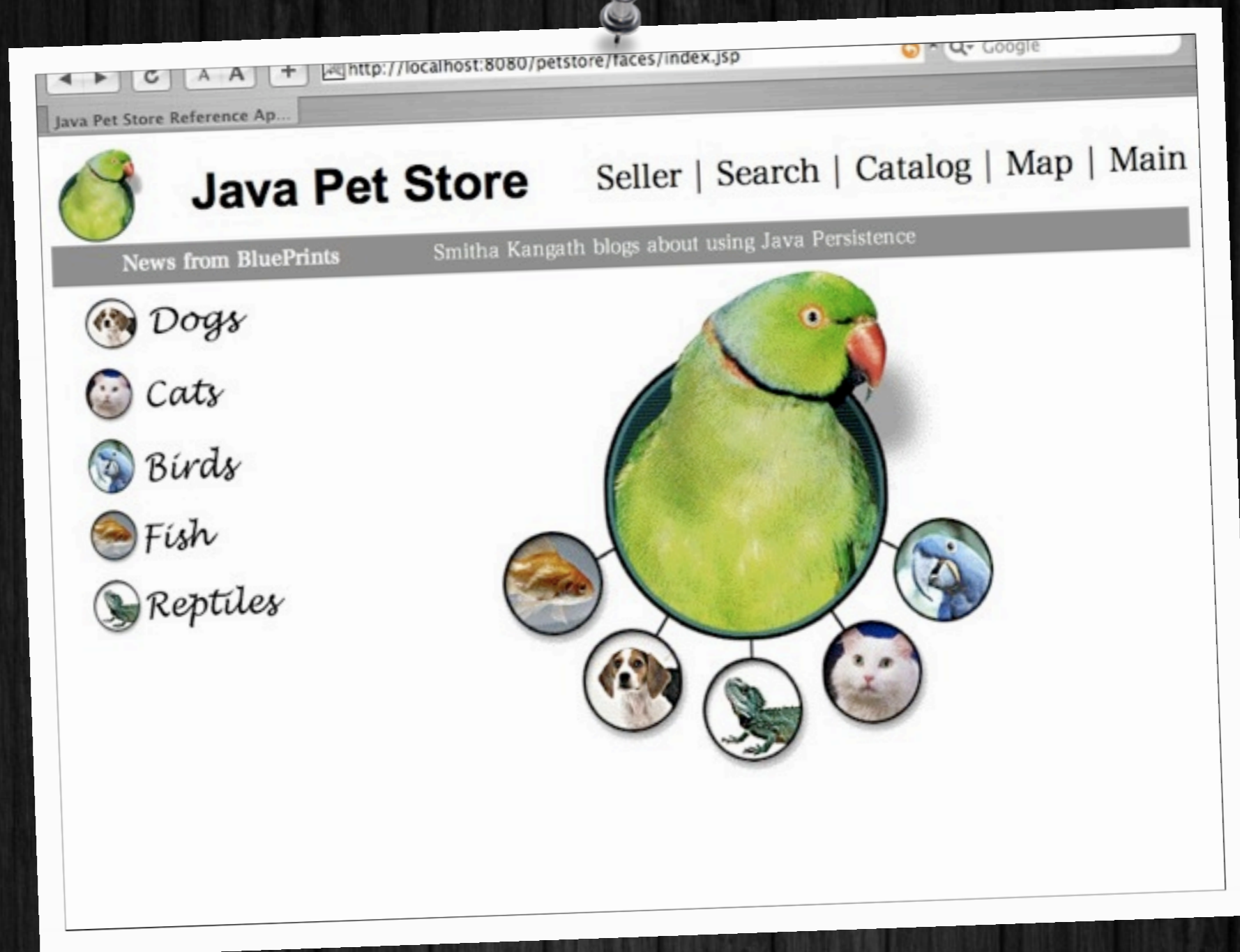




Yeah...duct tape is cool!

just to be sure...run it by google...





Enterprise - revisited!



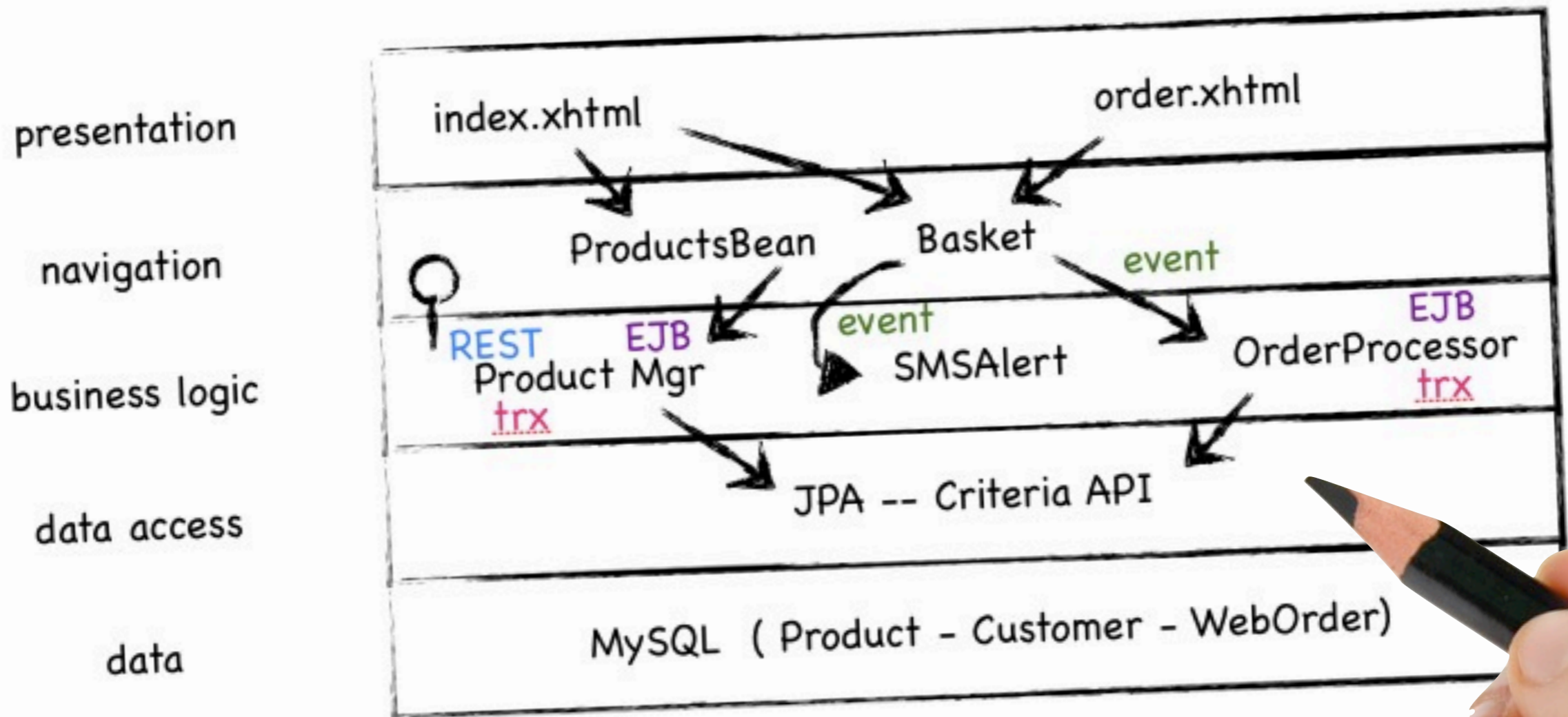
Enterprise – revisited!

DEMO

Code can be downloaded from:

<https://github.com/paulbakker/jfokus>

Where is the pattern love?



Heavy-weight

vs.

Light-weight

Downsides of Java EE 6 :-)

- **KISS, DRY, and YAGNI**
Instead of only talking about them you now have to prove them in practice
- **Less code, so more bugs per # LOC ?!**
- **QH: "So they spent 3 months building this app and it's ONLY a 100k WAR file?"**

More info

- Bert Ertman
- Twitter: @BertErtman
- E-mail: bert.ertman@luminis.eu

- Paul Bakker
- Twitter: @pbakker
- E-mail: paul.bakker@luminis.eu

Shameless plug

**Best Practices
for Migrating
Spring
to**



**Tue 14/2
14.00 - 14.50
Room: C3**

HAPPY
CODING!

HAPPY CODING!

