

THE LAZY PROGRAMMER'S GUIDE TO

APPLICATION DEVELOPMENT

WITH JAVA

 @OLIVERGIERKE

 OGIERKE@PIVOTAL.IO

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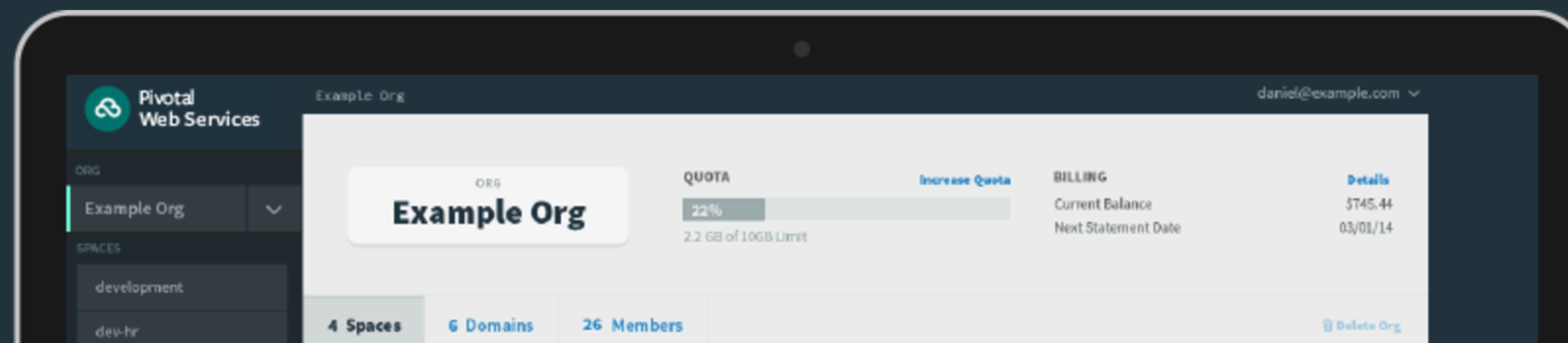
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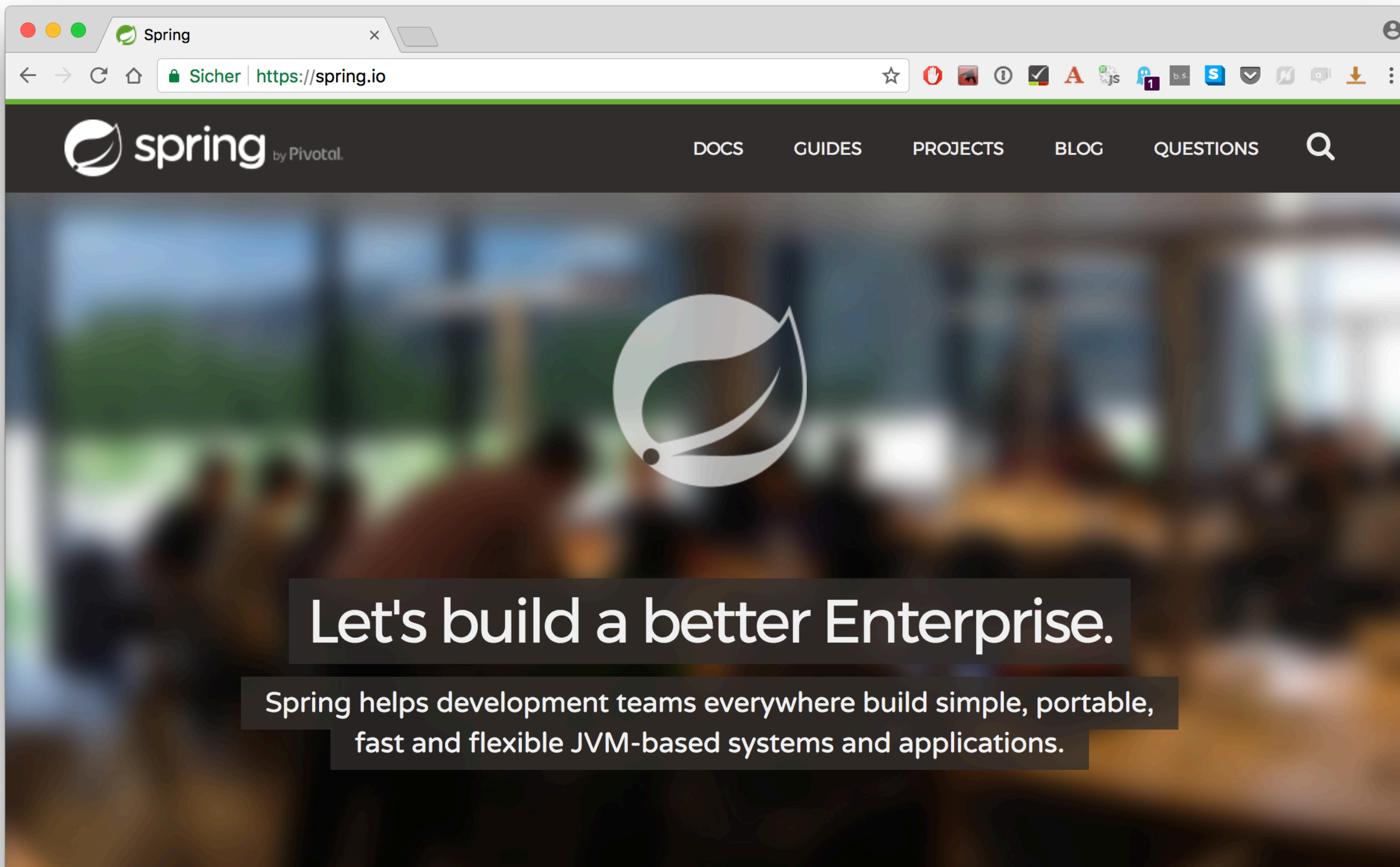
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Spring Framework



Spring Boot

We ♥ Java!

No, it's not Stockholm syndrome.

Maybe... a little bit.


```
@RestController
public class WelcomeController {

    @RequestMapping(path = "/", method = RequestMethod.GET)
    public Map<String, Object> welcome(@RequestParam Optional<String> name) {
        return Collections.singletonMap("greeting", name.orElse("World").concat("!"));
    }
}
```

GET http://localhost:8080/ -> { "greeting" : "Hello World!" }

GET http://localhost:8080/?name=Ollie -> { "greeting" : "Hello Ollie!" }

The image shows a web browser window with the following elements:

- Browser Tab:** Spring Data
- Address Bar:** <https://projects.spring.io/spring-data/>
- Navigation Menu:** DOCS, GUIDES, PROJECTS (highlighted), BLOG, QUESTIONS, and a search icon.
- Section Header:** PROJECTS (with a green underline) and Spring Data.
- Text:**

Spring Data's mission is to provide a familiar and consistent, Spring-based programming model for data access while still retaining the special traits of the underlying data store.

It makes it easy to use data access technologies, relational and non-relational databases, map-reduce frameworks, and cloud-based data services. This is an umbrella project which contains many subprojects that are specific to a given database. The projects are developed by working together with many of the companies and developers that are behind these exciting technologies.
- Call to Action:** A button labeled QUICK START.
- Background:** A large, faint, stylized database cylinder graphic.

Lehrveranstaltungen

- > [Organisation](#) > [Durchführung](#) > [Timetable](#) > [Gruppen](#) > [Ressourcen](#) > [Auswertung](#)

Softwaretechnologie-Projekt

Softwarepraktikum (WS 16) - Organisation

News

- **10.01.2017** Achtung, alle Teilnehmer an den Praktikumsabschlusspräsentationen müssen sich für das entsprechende Modul für die Prüfung in jExam bzw. HISQIS einschreiben.
- **Klausureinsicht SWT I** Am Donnerstag, den **27.10.**, findet von 14:50-16:20 die Klausureinsicht für Softwaretechnologie I (SS2016) in APB/2101 statt.

SALESPPOINT



Salespoint Framework

Paul Henke, Andreas Zschka, Oliver Gierke – 2016-12-11

Salespoint is a Java-based application framework to develop point of sales (PoS) applications using Spring Framework and Spring Boot. It consists of a variety of business modules that allows users to implement sophisticated web applications on top of them.

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1. Resources

[1.1. Latest release version - 6.3.1](#)

[1.2. Current development snapshot - 6.4.x snapshots](#)

[1.3. Sample projects](#)

Appendix

[Appendix A: Archive](#)

The framework generally consists of:

- 6 business modules - accountancy, inventory, catalog, orders, business time and user accounts.
- Domain types (entities and value objects) as well as Spring based repository and service implementations to provide Java APIs to be extended by (web) application developers.

st-tu-dresden / salespoint Private Unwatch 13 Star 1 Fork 2

Code Issues 14 Pull requests 2 Projects 0 Wiki Settings Insights

SalesPoint Edit

Add topics

1,258 commits 9 branches 11 releases 6 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

olivergierke #162 - Added Interval.toDuration(). Latest commit 0d16951 on 11 Dec 2016

doc	#5 - Added Buildsystem Maven to documentation.	3 years ago
etc	#25 - Overhauled domain code.	3 years ago
src	#162 - Added Interval.toDuration().	6 months ago
.gitignore	#32 - Added changelog to website.	3 years ago
Salespoint.sonargraph	#150 - Updated Sonargraph architecture description.	7 months ago
lombok.config	#9 - Introduced simplified Quantity abstraction.	2 years ago
pom.xml	[maven-release-plugin] prepare for next development iteration	8 months ago
readme adoc	#17 - Added artifact and site deployment	3 years ago

Software Engineering

”

*In theory there is no
difference between theory
and practice.*

In practice – there is.

– Yogi Berra



**JAVA
TOOLING**

**TEAM &
TOOLING**

**LIBRARIES &
FRAMEWORKS**

DDD & JPA

JAVA TOOLING

TODAY

- IDEs
- Dependencies
- Build

TEAM & TOOLING

JUNE, 23RD

- Issue tracker
- Version control
- CI

LIBRARIES & FRAMEWORKS

JUNE, 30TH

- JUnit
- Spring
- Web apps

DDD & JPA

JULY, 7TH

- Entities, Value Object
- Repositories
- Persistence

Scripts

 <http://static.olivergierke.de/lectures>

 <https://github.com/olivergierke/lectures>



TU Dresden lectures

Oliver Gierke – 2016-10-18 13:29:55 UTC

Software Engineering - Summer semester

- [Overview / Intro](#)
 - [Fundamentals of Java Tooling](#)
 - [Collaborative Software Development](#)
 - [Frameworks and Libraries](#)
 - [Domain-Driven Design and Spring](#)
-

Software Engineering Lab - Winter semester

- [Web applications with Java and Spring](#)
- [Web applications with Java and Spring \(until WS 2015\)](#)

Fundamentals of Java Development x

static.olivergierke.de/lectures/java-tooling/

Fundamentals of Java Development Tooling

Oliver Gierke – 2016-10-18 13:29:55 UTC
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