Software Engineering

Conference 1

Overview

1. **Project information**
2. Innovation and requirements
3. Tools and configuration
4. Quality Assurance
5. Why choose Salesmen?

Project informatie

Salesmen

salesman |ˈsālzmən|

noun (pl. -men)

a man whose job involves selling or promoting commercial products.

Project information

Salesmen

Professional

Fast

Smooth

Smart

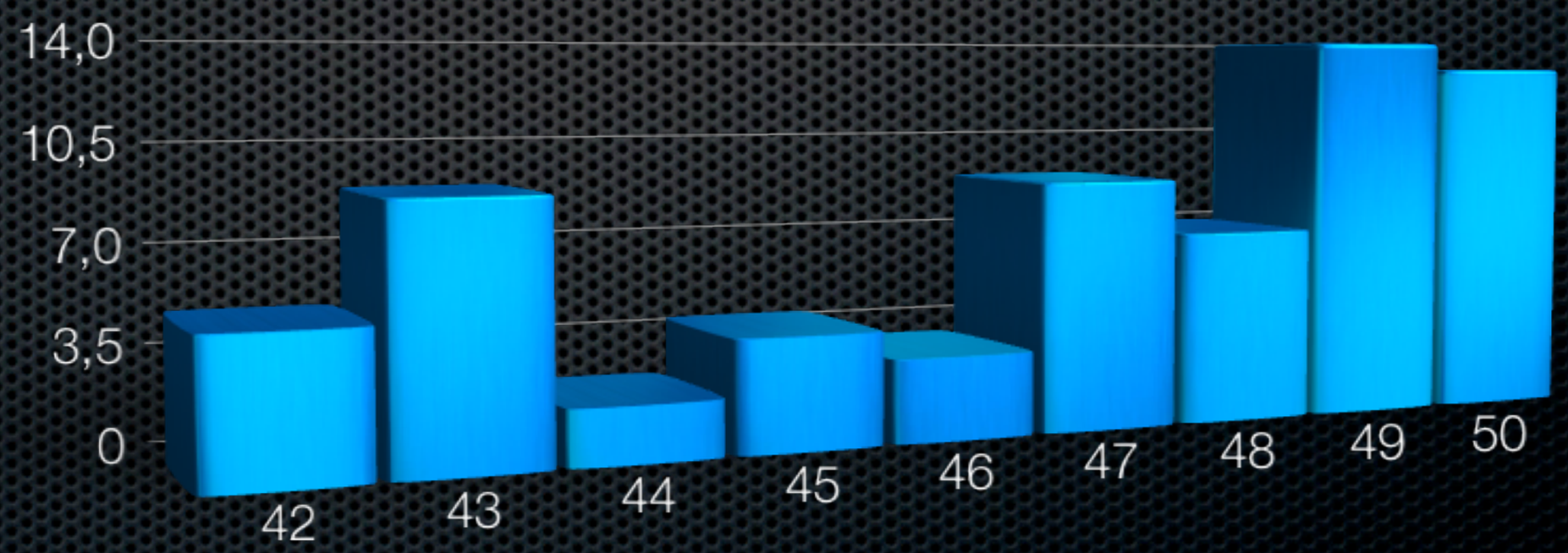
Team

- Nick De Cooman
- Jonathan Jeurissen
- Sina Khakbaz Heshmati
- Jorne Laton
- Bart Maes
- Patrick Provinciael
- Wouter Van Rossem

Team

Nick De Cooman

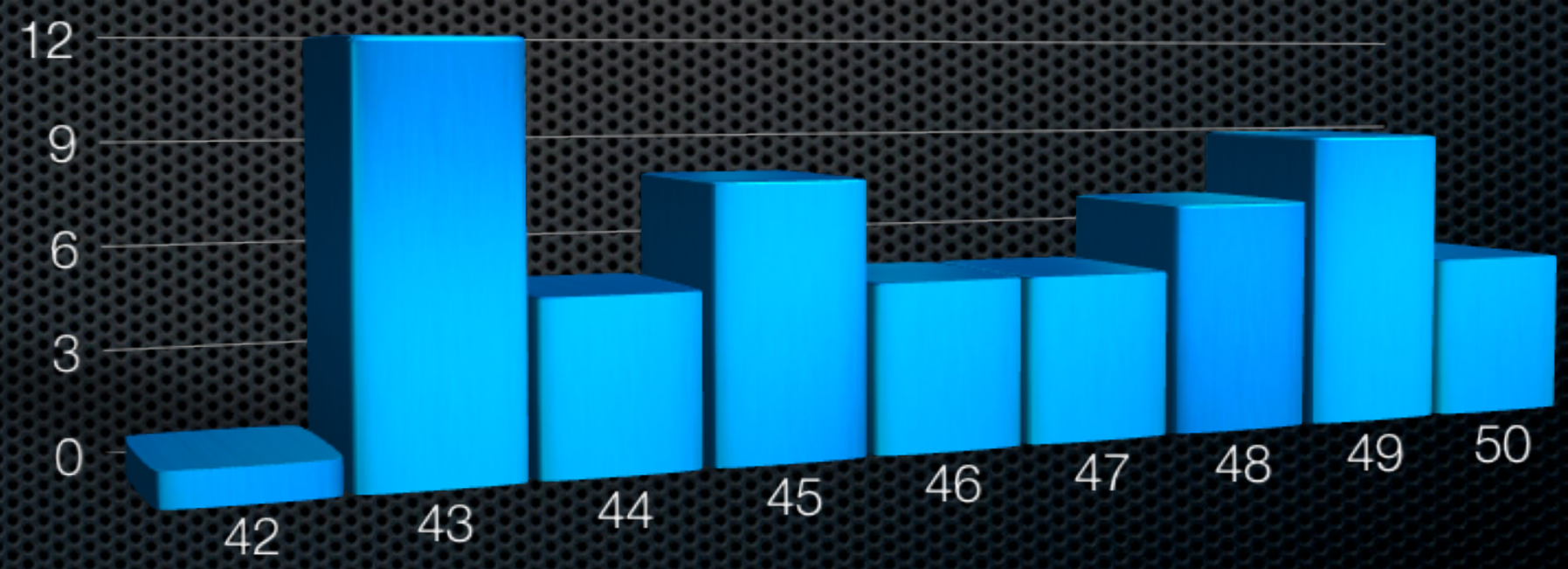
- Project manager
- Assistant Design manager



Team

Jonathan Jeurissen

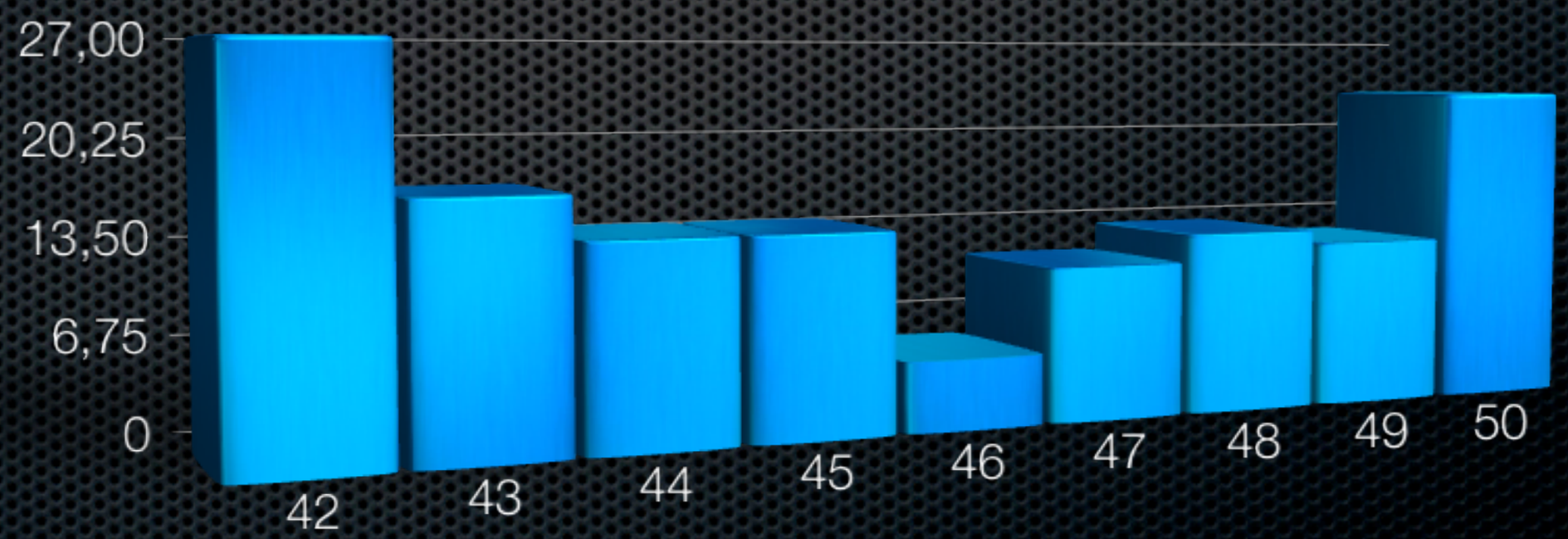
- Project secretary
- Assistant Requirement manager



Team

Sina Khakbaz Heshmati

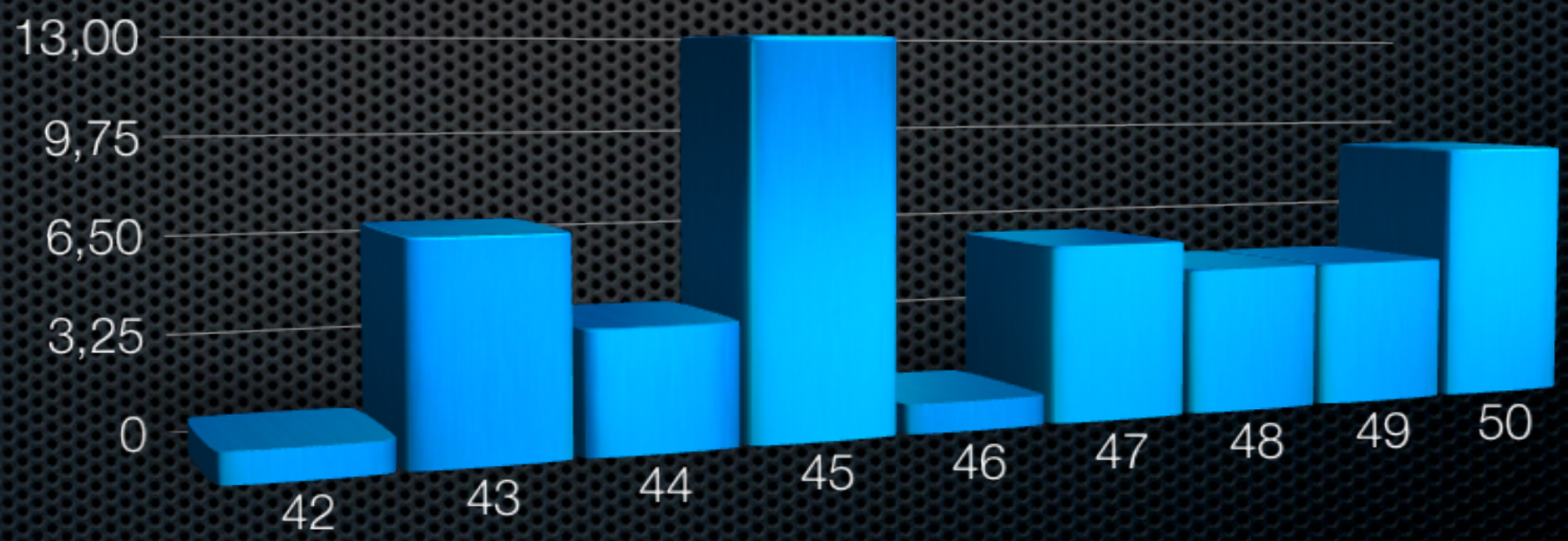
- Webmaster
- Implementation Manager
- Assistant Configuration manager



Team

Jorne Laton

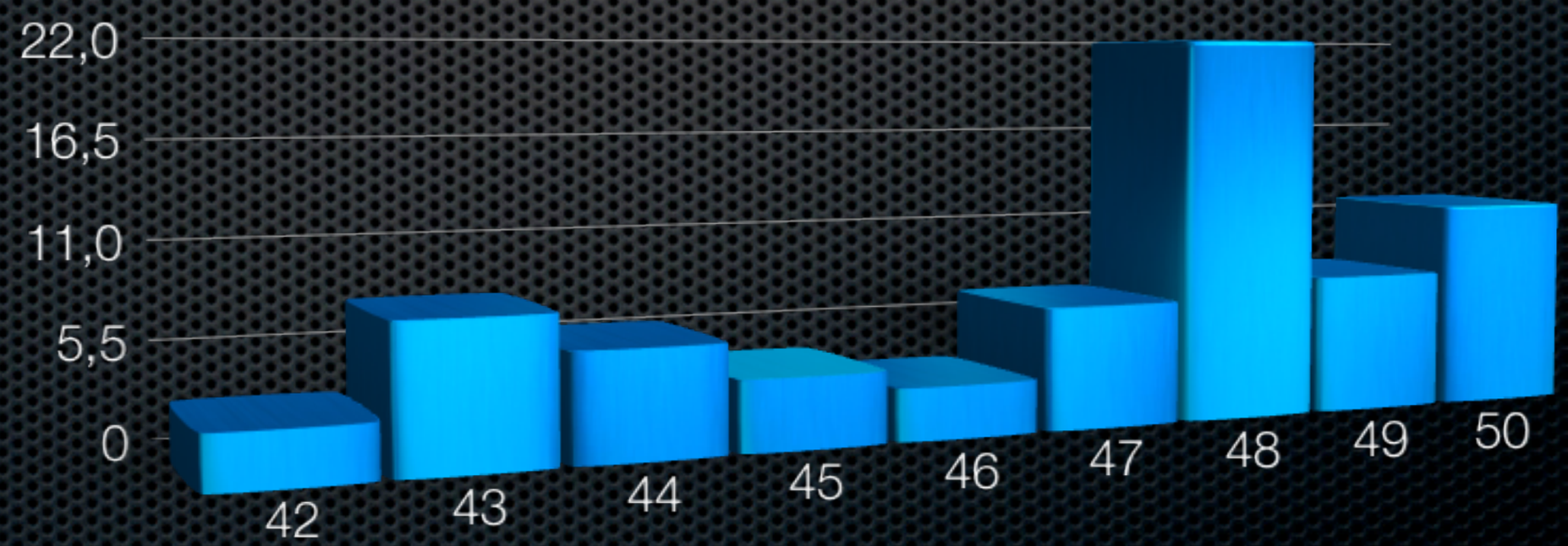
- Configuration Manager
- Assistant Implementation manager



Team

Bart Maes

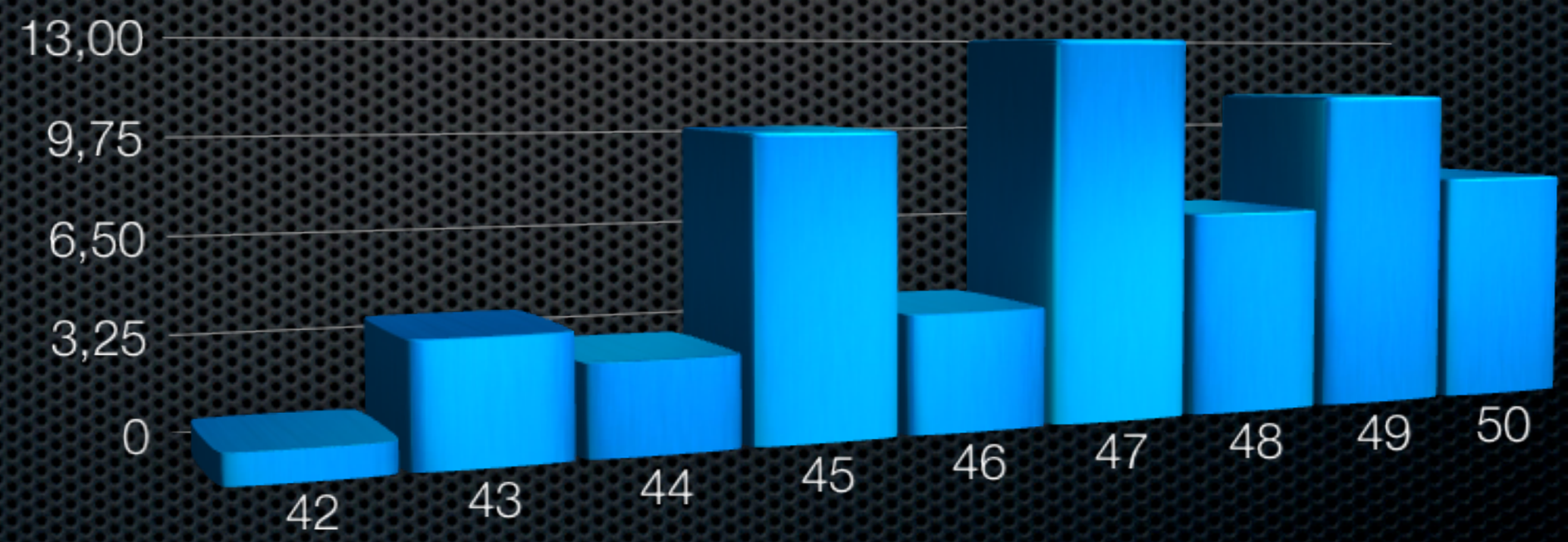
- Design Manager
- Assistant QA manager



Team

Patrick Provinciael

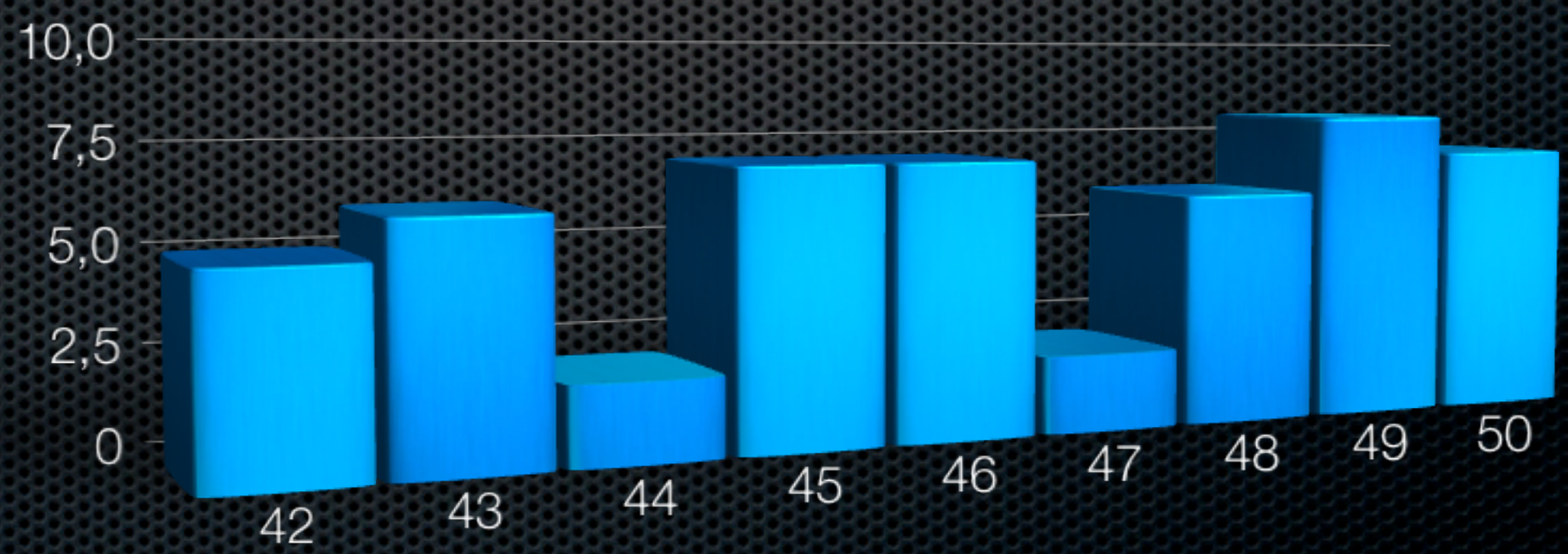
- Quality Assurance Manager
- Assistant Project Manager



Team

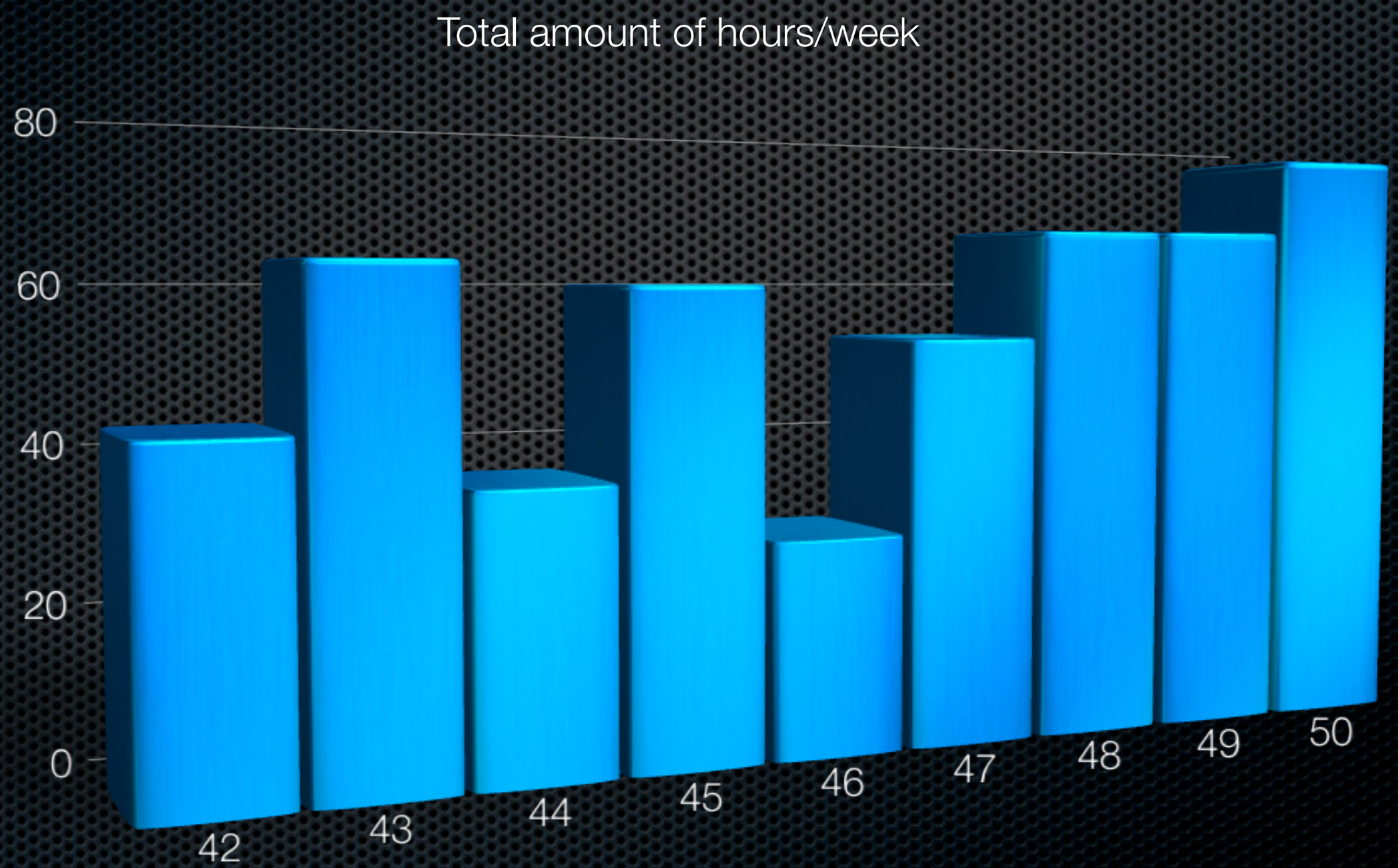
Wouter Van Rossem

- Requirement Manager
- Assistant Webmaster
- Assistant Project Secretary



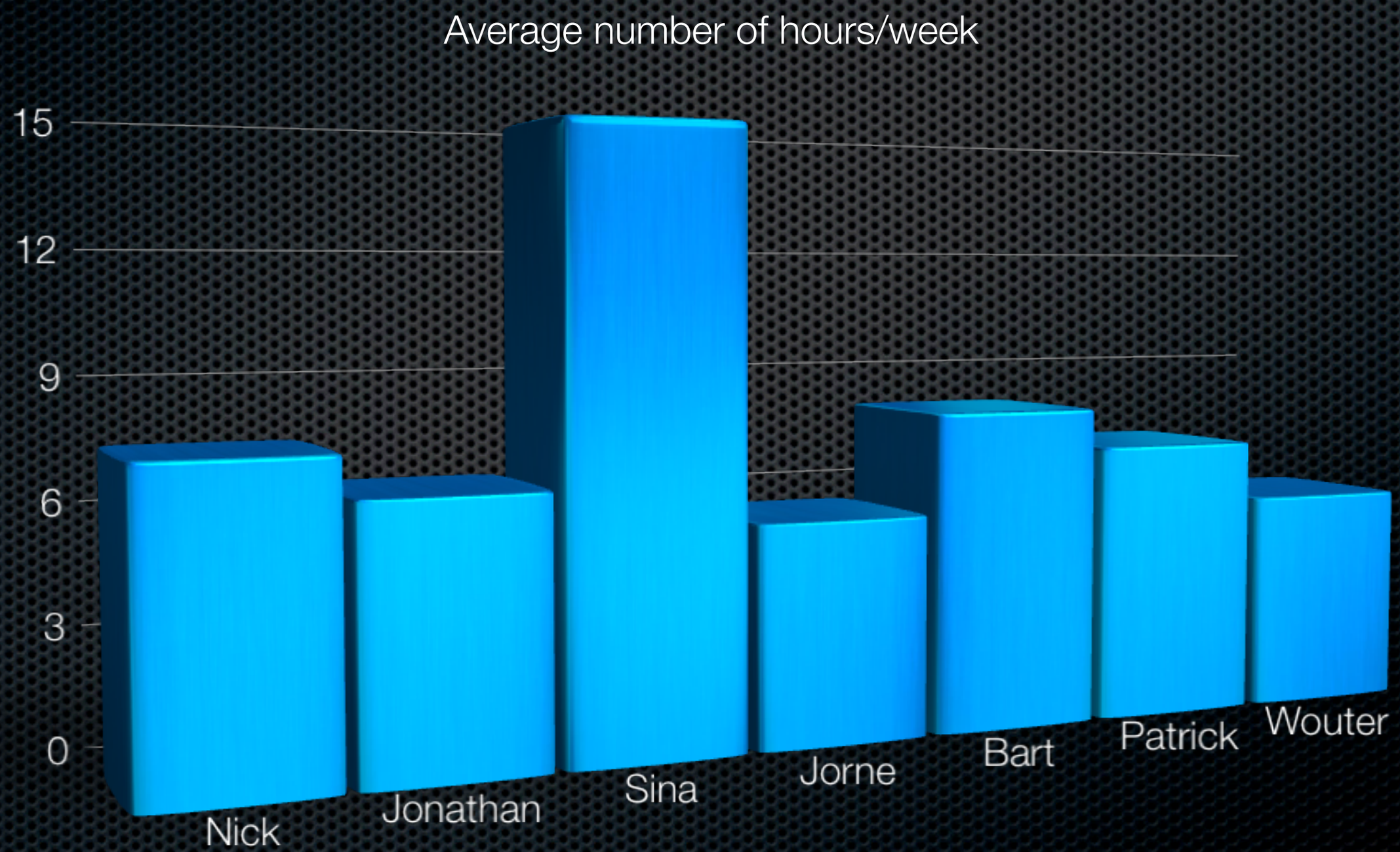
Project information

Statistics



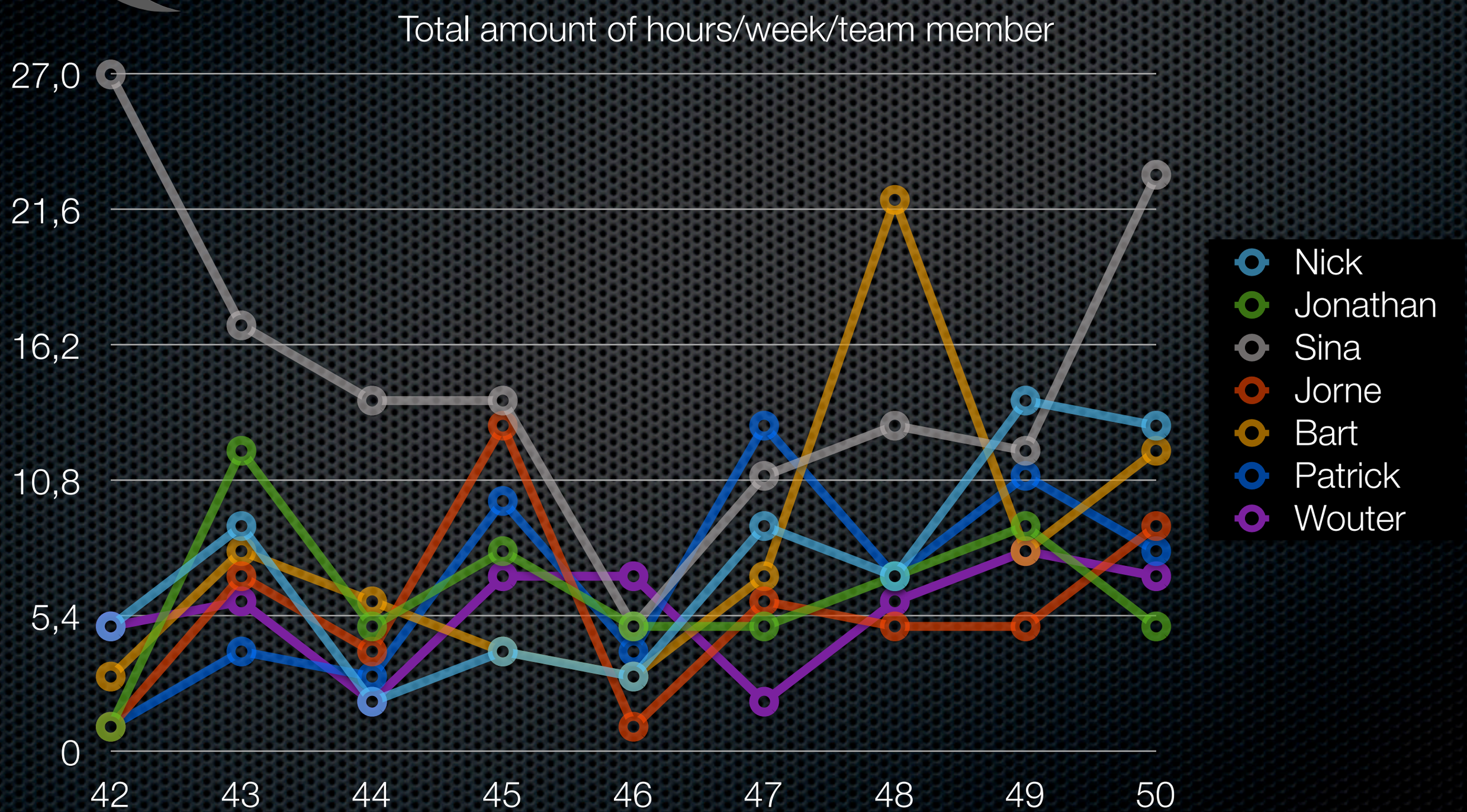
Project information

Statistics



Project information

Statistics



Project information

Statistics

Total amount of hours:	494 h
Average amount of hours/week:	55 h
Average amount of hours/week/person:	7,8 h

Costs

Start wage: € 2200 / month gross
152 hours to work / month

€14,5
per hour

Total amount of working hours: 494 hours

Current cost: €7.163,00

Costs

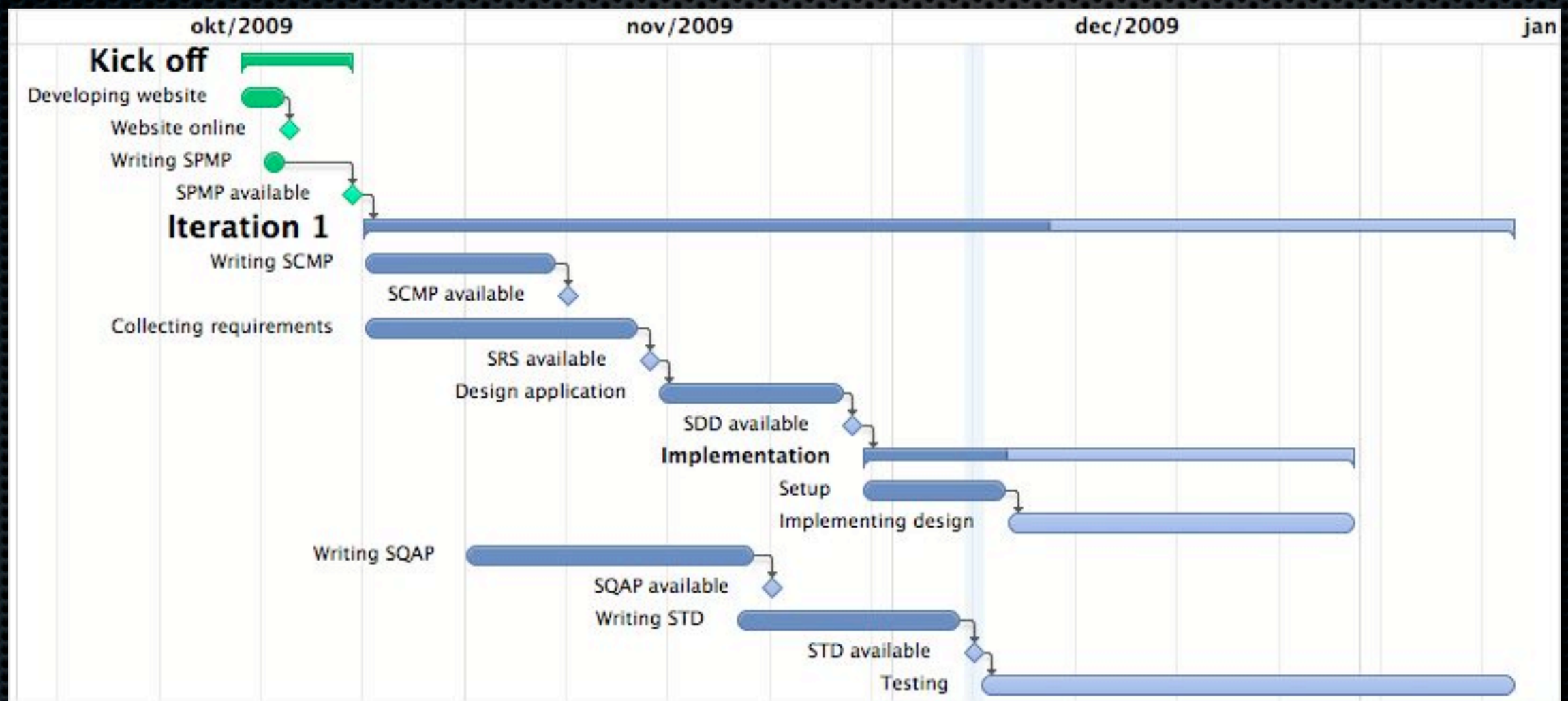
Average number of hours/week: 55 hours

Expected number of weeks: 27 weeks

Total estimation of costs: €21.530

Project information

Planning



Project information

Open-source

Communication online available for anyone

http://groups.google.com/group/salesmen

Overview

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4. Quality Assurance
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Introduction

Advantages for

- Buyers
- Sellers
- Owners

Advantages for buyers

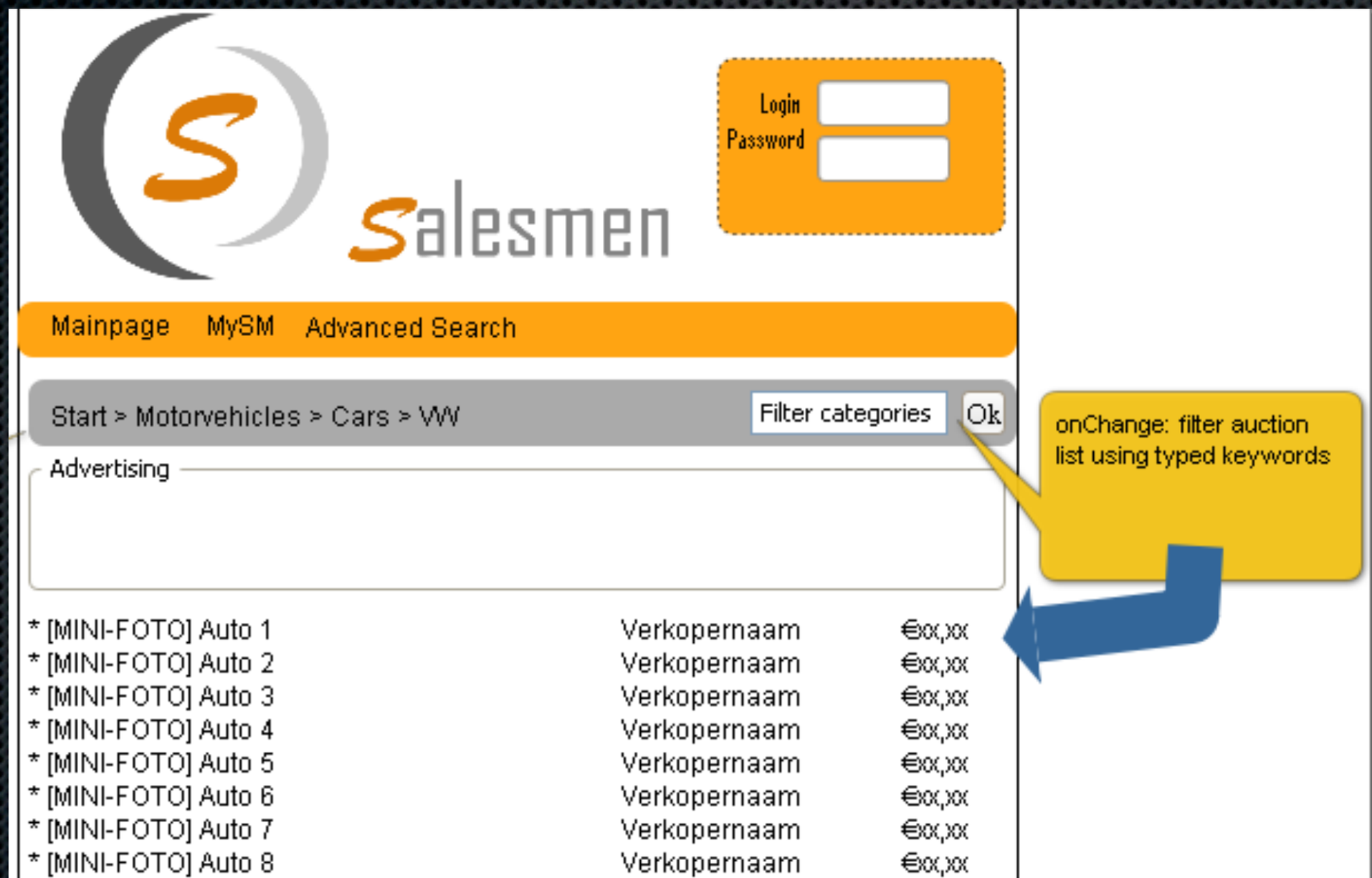
Smooth interface

- Minimize page refreshes

Smooth

Advantages for buyers

Advantages for buyers



Advantages for buyers

Smooth interface

- Minimize page refreshes

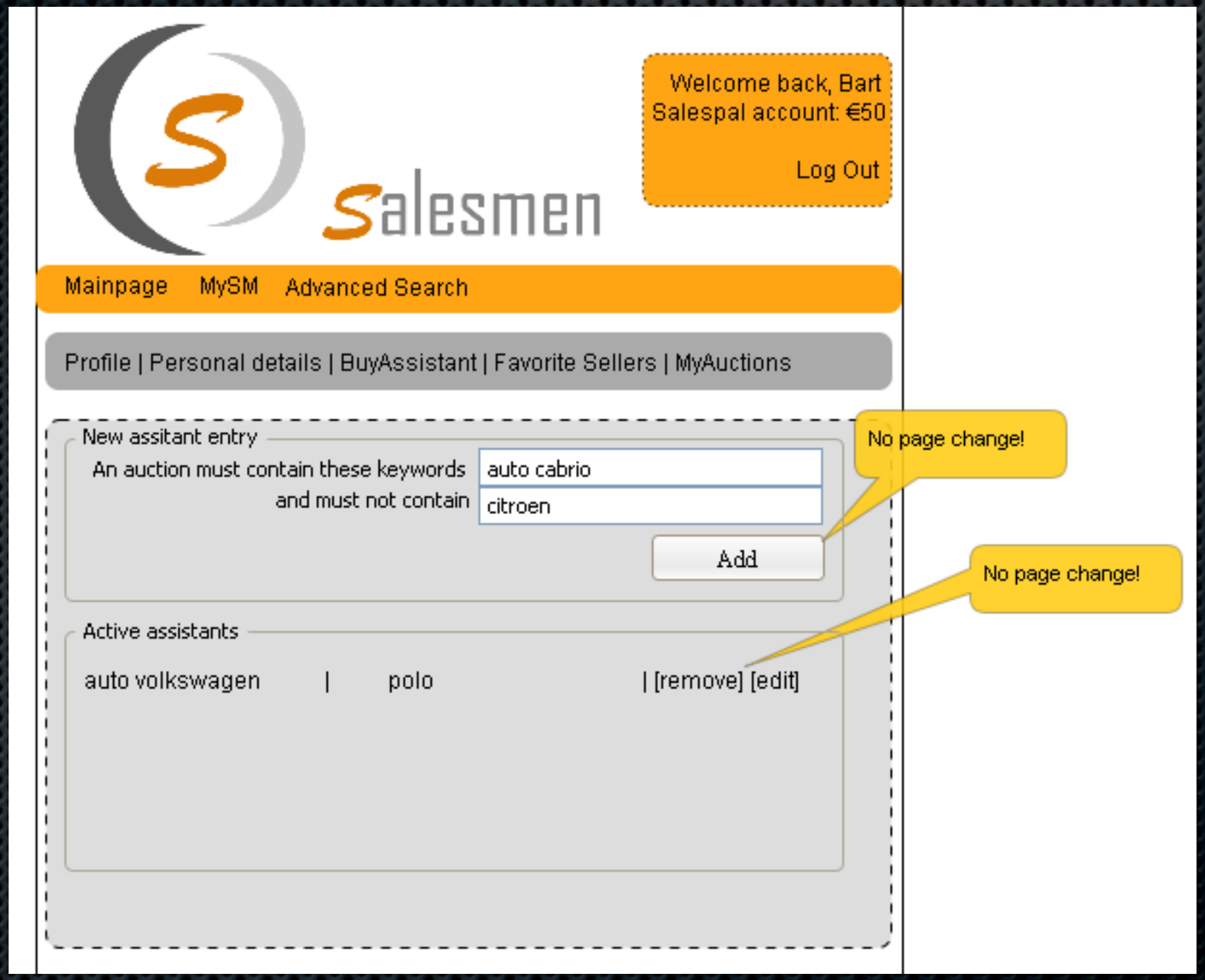
Smooth

Finding auctions

- Recommended auctions
- Tags (user defined) -> Tag Cloud
- Buyers assistant

Smart

Advantages for buyers



Advantages for buyers

Advantages for buyers

Smooth interface

- Minimize page refreshes

Smooth

Finding auctions

- Recommended auctions
- Tags (user defined) -> Tag Cloud
- Buyers assistant

Smart

Instant payment possible

- Salespal

Fast

Advantages for buyers

Advantages for sellers

Instant payment possible

- Salespal

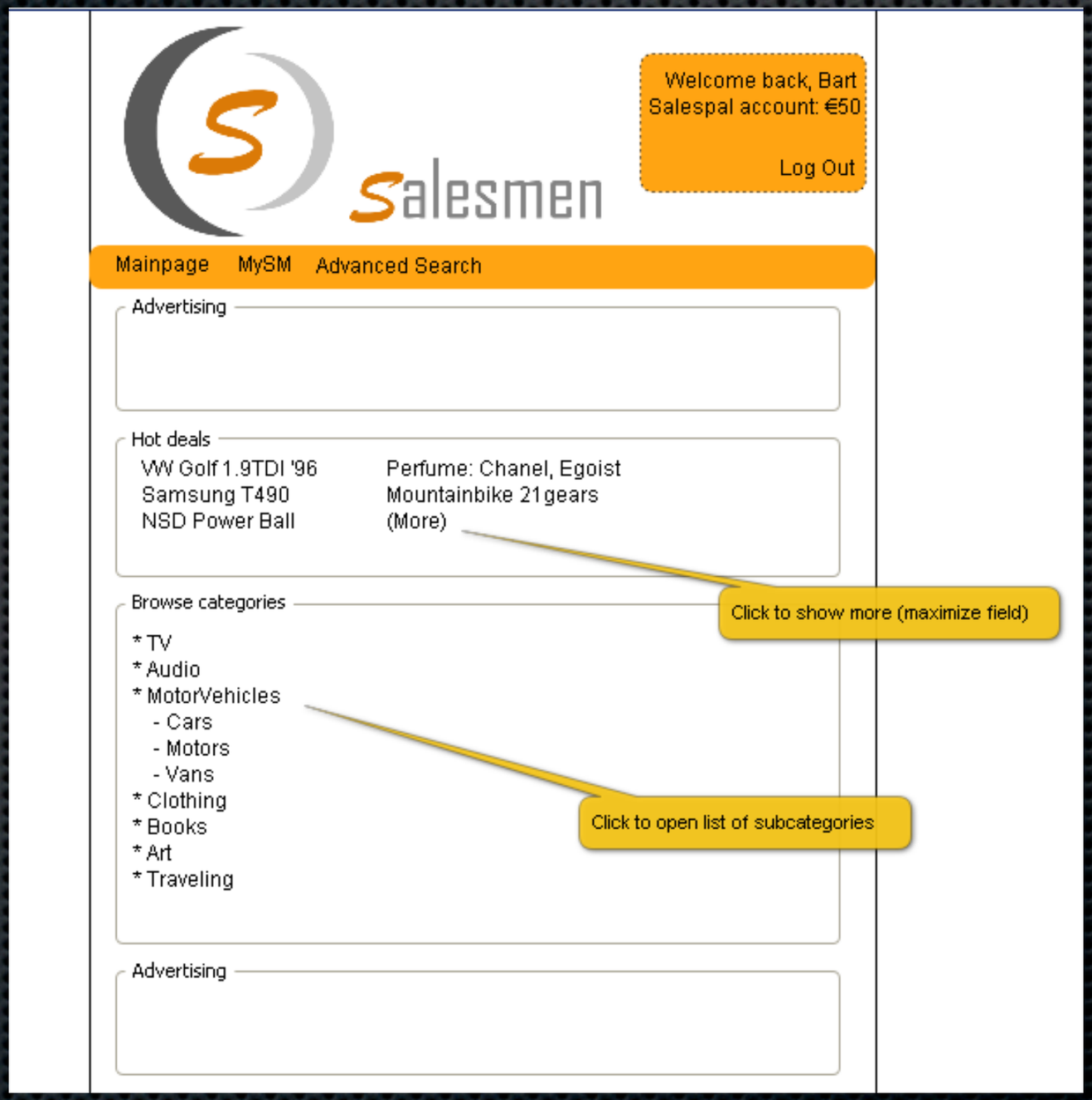
Maximized exposure of auctions

- Favorite seller
- Recommended auctions
- Hot Deals

Fast

Professional

Advantages for sellers



Innovation and requirements

For those who need more

Salesmen Pro

- Paying subscription
- Discount on placing auctions
- No advertising
- Auctions faster considered as Hot Deal
- Higher ranking of auctions in searches

Advantages for owner

How to make money?

- Salespal
- % of auction to site
- Advertising
- Salesmen Pro

System architecture

Three-tier architecture

- Presentation: website (xHTML + CSS)
- Business logic: Java Beans & action classes
- Data: Hibernate & PostgreSQL

Proof of concept

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Why JBoss?

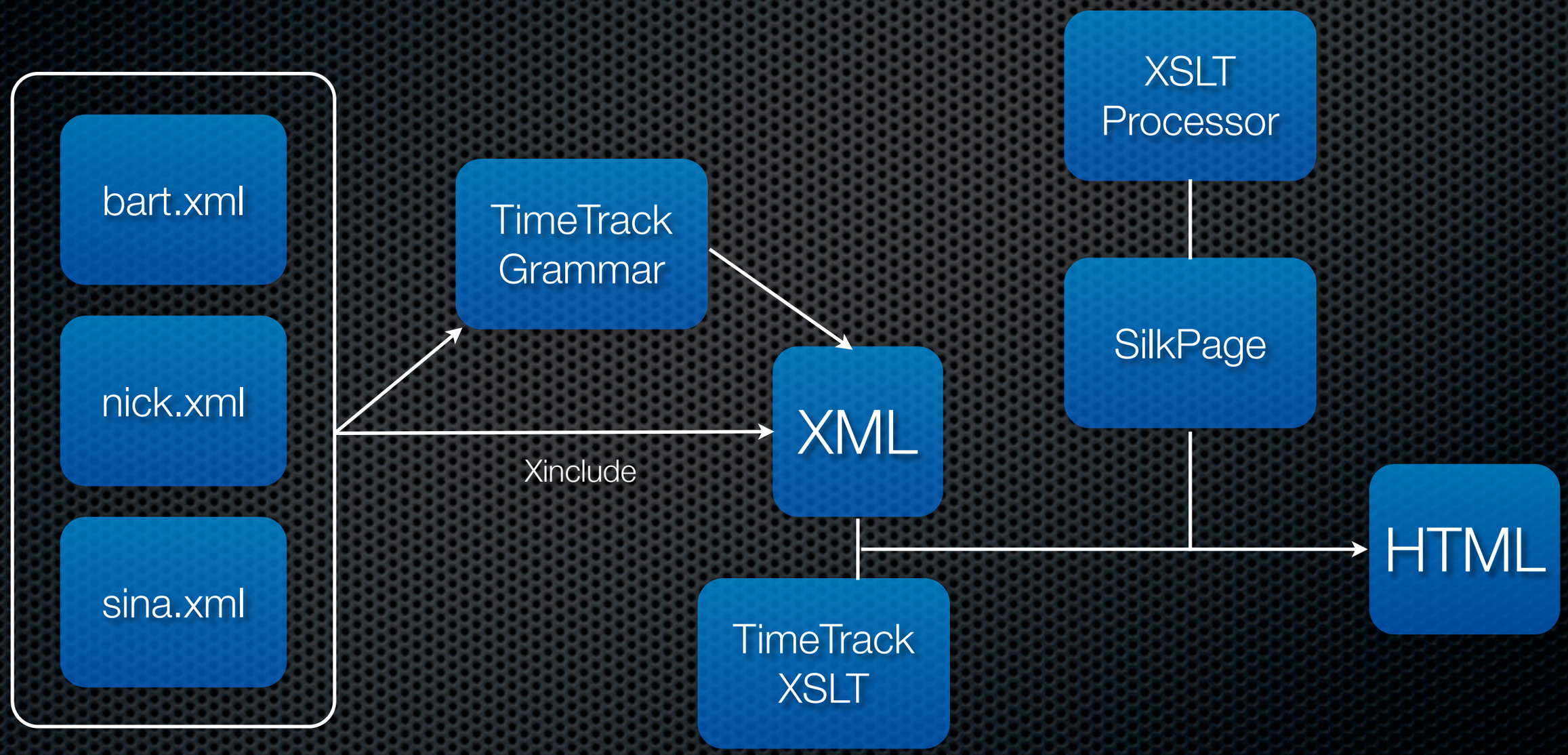
- Reliable
- Mainstream
- Flexible
- Comprehensive

Why Seam?

- Open Standards
- Rich State Management
- JSF-based AJAX
- Goodbye Noisy XML

Tools and configuration

Timesheets



Subversion

Flexible

- Refactor early, refactor often!
- Remove and rename anything (CVS++)

Revisions

- Single revision number
- Tags not necessary

Branch/Merge

- Centralized is ideal for our dev model
- Branches for QA, bleeding-edge dev and releases

Google Code

Visual SVN

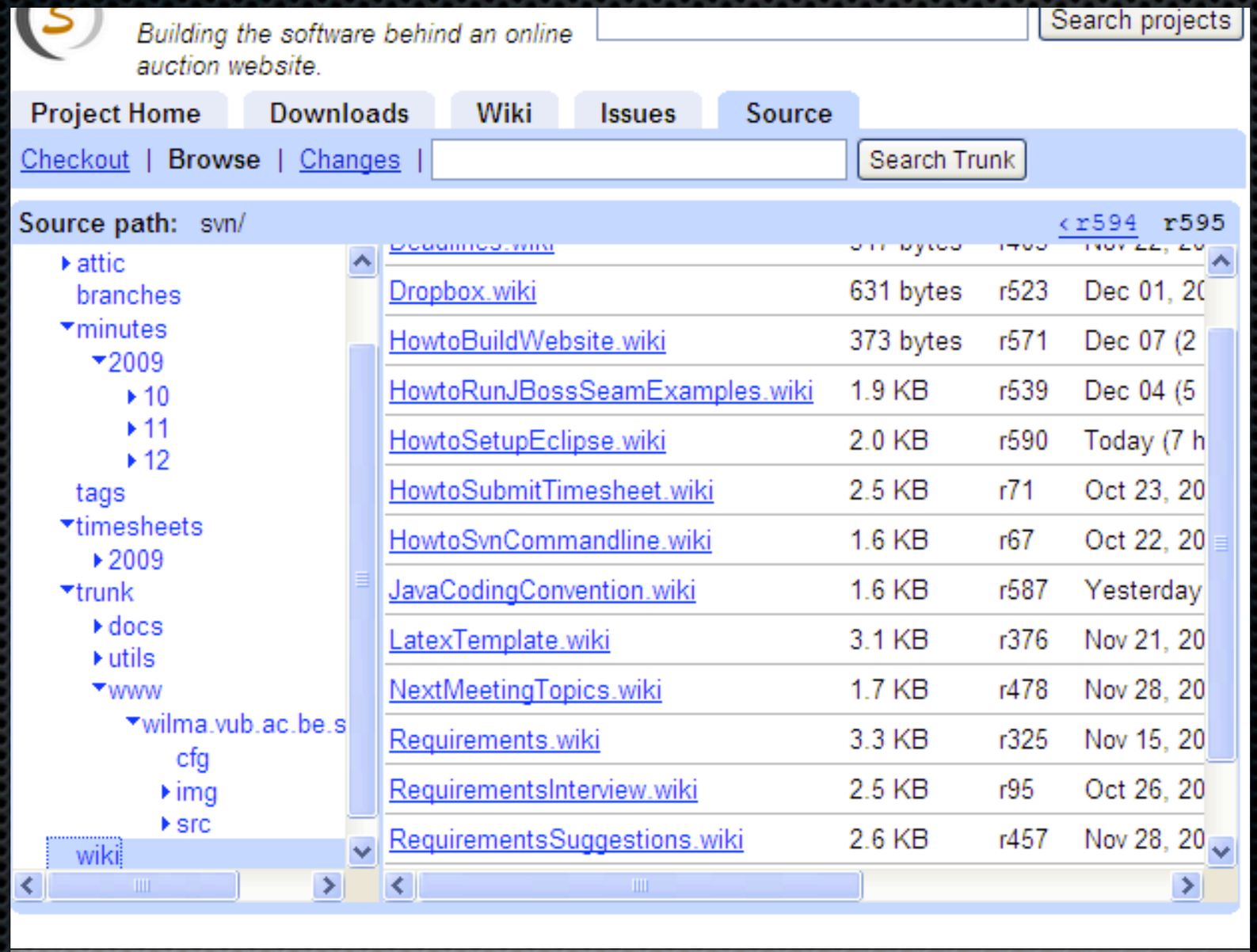
- Repository browser
- Human-friendly diffs
- Each revision has a page

Wiki: Agile documentation for developers

Issue Tracker

- Bugs, enhancements and tasks

SVN Browse


Building the software behind an online auction website.
Search projects
Project Home
Downloads
Wiki
Issues
Source
Checkout | Browse | Changes |
Search Trunk
Source path: svn/
< r594 r595
attic
branches
minutes
2009
10
11
12
tags
timesheets
2009
trunk
docs
utils
www
wilma.vub.ac.be.s
cfg
img
src
wiki
Dropbox.wiki 631 bytes r523 Dec 01, 20
HowtoBuildWebsite.wiki 373 bytes r571 Dec 07 (2
HowtoRunJBossSeamExamples.wiki 1.9 KB r539 Dec 04 (5
HowtoSetupEclipse.wiki 2.0 KB r590 Today (7 h
HowtoSubmitTimesheet.wiki 2.5 KB r71 Oct 23, 20
HowtoSvnCommandline.wiki 1.6 KB r67 Oct 22, 20
JavaCodingConvention.wiki 1.6 KB r587 Yesterday
LatexTemplate.wiki 3.1 KB r376 Nov 21, 20
NextMeetingTopics.wiki 1.7 KB r478 Nov 28, 20
Requirements.wiki 3.3 KB r325 Nov 15, 20
RequirementsInterview.wiki 2.5 KB r95 Oct 26, 20
RequirementsSuggestions.wiki 2.6 KB r457 Nov 28, 20

Tools and configuration

SVN Diff

saleshen

Building the software behind an online auction website.

Search projects

Project Home | Downloads | Wiki | Issues | Source

Checkout | Browse | Changes | Search Trunk

Changes to /timesheets/2009/week49/timesheet.xml r520 vs. r548 Edit ‹r520 **r548** r569›

Revision r548 Go to: ...sheets/2009/week49/timesheet.xml Project members, sign in to write a code review

/timesheets/2009/week49/timesheet.xml r520

```
1  <?xml version='1.0'?>
2  <timesheets
3      xmlns="http://purl.org/net/timetrack"
4      xmlns:xi="http://www.w3.org/2001/XInclude"
5      from="2009-12-1"
6      to="2009-12-8"
7      xml:id="week49-2009">
8    <title>VUB - SE2 Timesheets for the 49th Week
   of 2009</title>
9    <published>2009-12-1</published>
10   <updated>2009-12-1</updated>
11   <person>
12     <name>Nick De Cooman</name>
```

/timesheets/2009/week49/timesheet.xml r548

```
1  <?xml version='1.0'?>
2  <timesheets
3      xmlns="http://purl.org/net/timetrack"
4      xmlns:xi="http://www.w3.org/2001/XInclude"
5      from="2009-11-30"
6      to="2009-12-07"
7      xml:id="week49-2009">
8    <title>VUB - SE2 Timesheets for the 49th Week
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9    <published>2009-12-06</published>
10   <updated>2009-12-06</updated>
11   <person>
12     <name>Nick De Cooman</name>
```

SVN Revision

salesmen

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Revision: r593 ‹ r592 r593 r594 ›

Author: sina.heshmati

Date: Today (2 hours ago)

Review scores: *No one has yet scored this revision.*

Log message

```
Published STD v0.1
```

Affected files expand all collapse all

- ⊞ Modify /trunk/www/wilma.vub.ac.be.se2_0910/src/css/salesmen.css diff
- ⊞ Add /trunk/www/wilma.vub.ac.be.se2_0910/src/xml/en/docs/std diff
- ⊞ Add /trunk/www/wilma.vub.ac.be.se2_0910/src/xml/en/docs/std/archive diff
- ⊞ Add /trunk/www/wilma.vub.ac.be.se2_0910/src/xml/en/docs/std/doap.rdf diff
- ⊞ Add /trunk/www/wilma.vub.ac.be.se2_0910/src/xml/en/docs/std/index.xml diff
- ⊞ Add /trunk/www/wilma.vub.ac.be.se2_0910/src/xml/en/docs/std/urfm.rdf diff
- ⊞ Modify /trunk/www/wilma.vub.ac.be.se2_0910/src/xml/en/index.xml diff
- ⊟ Modify /trunk/www/wilma.vub.ac.be.se2_0910/src/xml/en/layout.xml diff

```
...
62  62      <tocentry page="docs/spmp/index.xml" dir="spmp"
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63  63      <tocentry page="docs/sqap/index.xml" dir="sqap"
filename="index.html"/>
64  64      <tocentry page="docs/srs/index.xml" dir="srs"
filename="index.html"/>
    65  +   <tocentry page="docs/std/index.xml" dir="std"
filename="index.html"/>
```

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4. **Quality Assurance**
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Why Quality Assurance?

Company 1

Has no QA

$ $ $

customer

Company 2

Has QA

$ $ $

customer

How Quality Assurance?

Quality Assured Repository

JUnit Testing

Team Performance

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Salesmen