PLEASE STAND BY
325
50
575
300
35
45
30
20

OK lets start, who am I ?

Nayden Gochev

(a.k.a. JOKe)

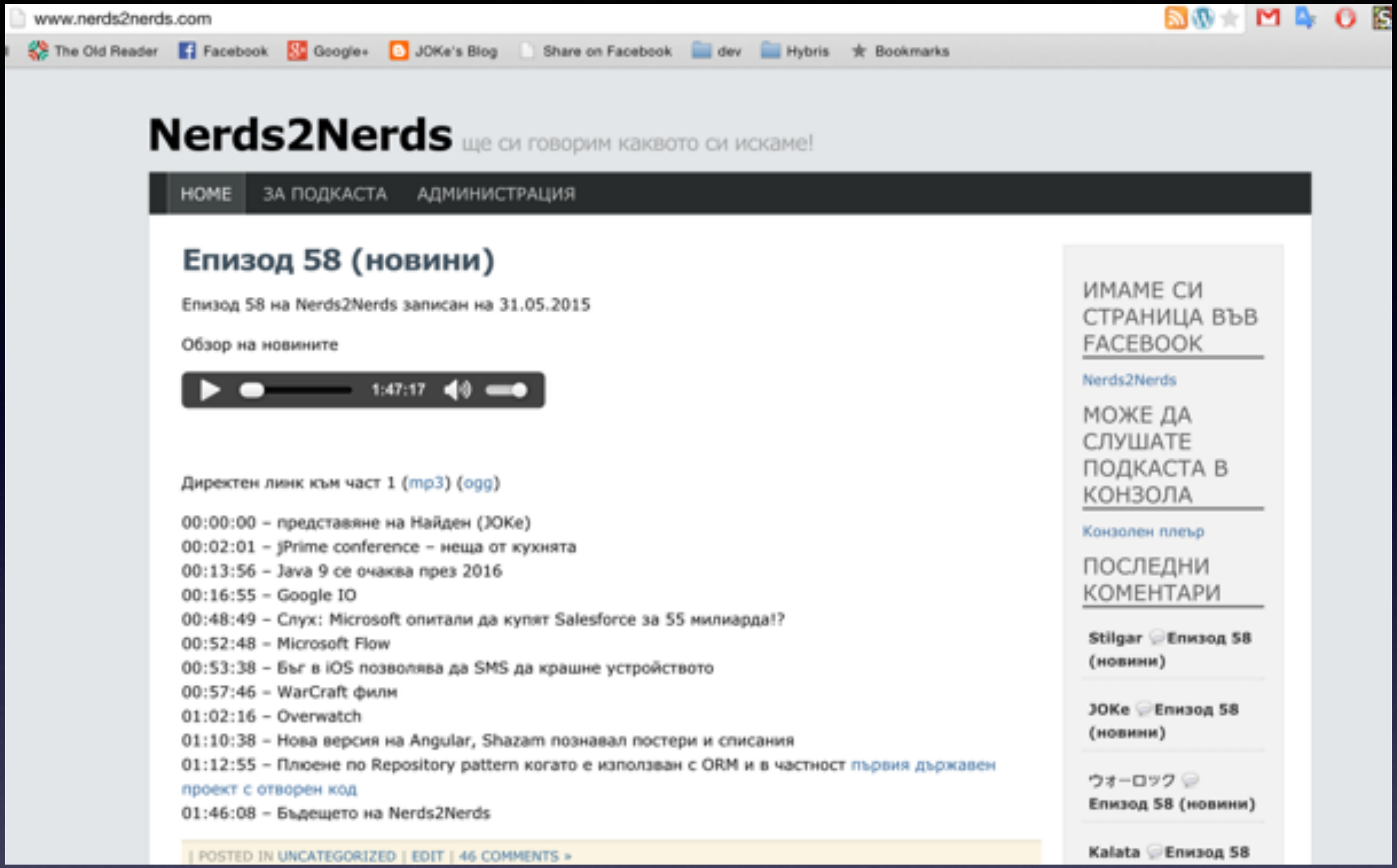
ExtJS
AngularJS
KendoUI
JSF
JavaScript
Hibernate
EJB
MVC
JPA
Spring
ASP.NET
WCF
Hybris
jQuery UI
RadControls
jQuery
Java
Android
TestStudio
C#
DataAccess
PHP
JustMock
JMS
GWT
Struts
RichFaces
EntityFramework
RMI
Eclipse
WebForms
JAX-WS
JAX-RS
MbUnit
TFS
JustCode
Spring MVC
Objective-C

nerds2nerds description about Nayden

*“Java програмист, който държи да не го наричат софтуерен инженер.
Мрази генериран код и вълшебници (за генериране на код) защото е мазохист
и обича да пише всичко на ръка. Слаб е на всякакви игри, но не се отказва да ги играе.
Говори по конференции и преподава в разни академии където обикновено
примерите му тръгват. Не обича Microsoft и кирилицата.
Спорно е кое мрази повече, но вероятно тази омраза идва от 90те години
и продукта FlexType, който създава повече проблеми отколкото решава.
За известно време пише на .NOT (това е версия на .NET разработена от
Microsoft специално за да дразни Найден), но светлините и ефектите
му идват в повече.
Личният му блог може да намерите на http://gochev.org “*

nerds2nerds.com

Nerds2Nerds



Nerds2Nerds ще си говорим каквото си искаме!

Епизод 58 (новини)

Епизод 58 на Nerds2Nerds записан на 31.05.2015

Обзор на новините

Директен линк към част 1 (mp3) (ogg)

00:00:00 – представяне на Найден (JOKe)
00:02:01 – jPrime conference – неща от кухнята
00:13:56 – Java 9 се очаква през 2016
00:16:55 – Google IO
00:48:49 – Слух: Microsoft опитали да купят Salesforce за 55 милиарда!?
00:52:48 – Microsoft Flow
00:53:38 – Бъг в iOS позволява да SMS да крашне устройството
00:57:46 – WarCraft филм
01:02:16 – Overwatch
01:10:38 – Нова версия на Angular, Shazam познавал постери и списания
01:12:55 – Плюене по Repository pattern когато е използван с ORM и в частност първия държавен проект с отворен код
01:46:08 – Бъдещето на Nerds2Nerds

| POSTED IN UNCATEGORIZED | EDIT | 46 COMMENTS »

ИМАМЕ СИ СТРАНИЦА ВЪВ FACEBOOK

Nerds2Nerds

МОЖЕ ДА СЛУШАТЕ ПОДКАСТА В КОНЗОЛА

Конзолен плеър

ПОСЛЕДНИ КОМЕНТАРИ

Stilgar Епизод 58 (новини)

JOKe Епизод 58 (новини)

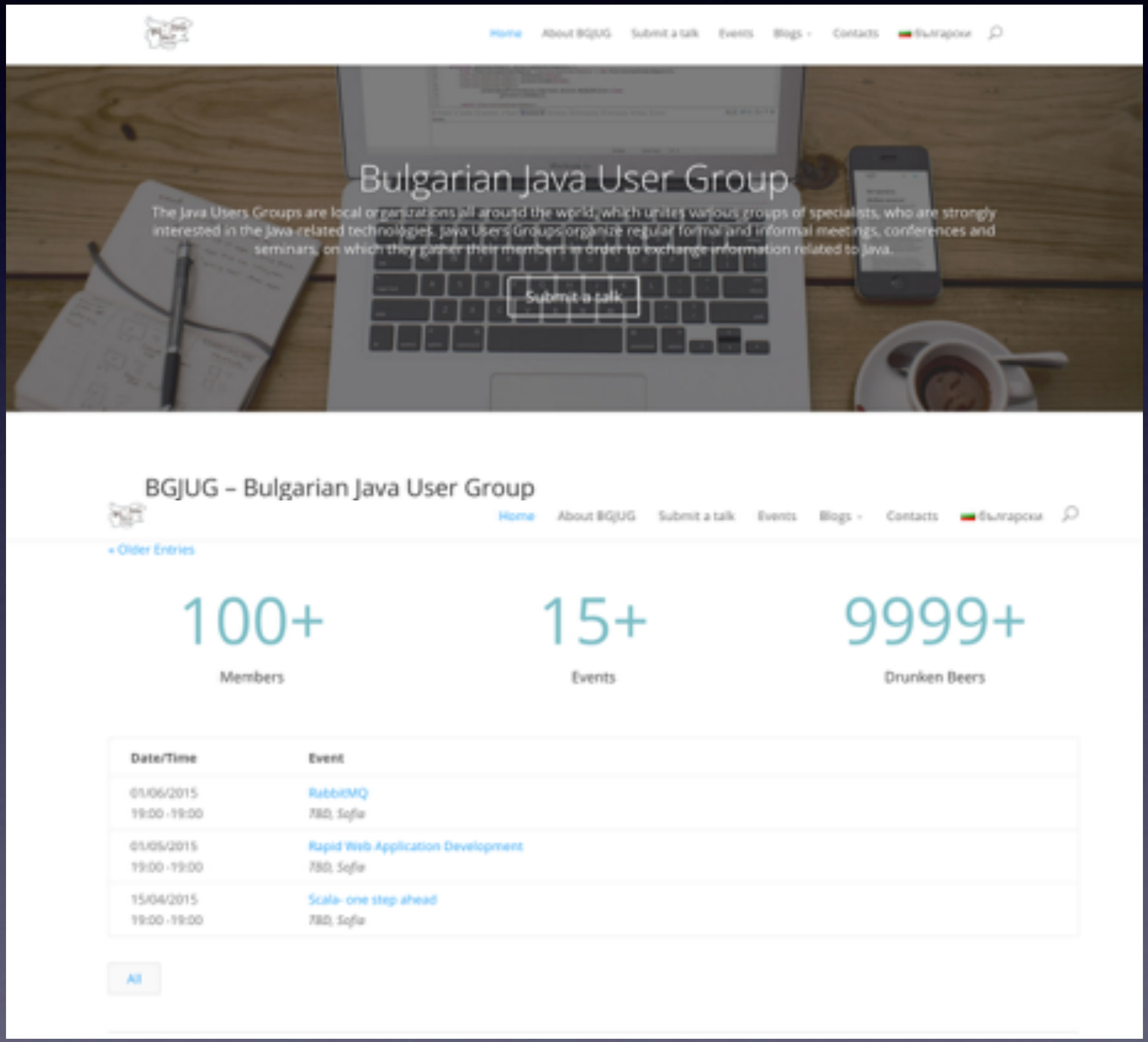
ウォーロック Епизод 58 (новини)

Kalata Епизод 58

http://nerds2nerds.com

Bulgarian Java User Group

http://java-bg.org



Bulgarian Java User Group

The Java Users Groups are local organizations all around the world, which unites various groups of specialists, who are strongly interested in the Java related technologies. Java Users Groups organize regular formal and informal meetings, conferences and seminars, on which they gather their members in order to exchange information related to Java.

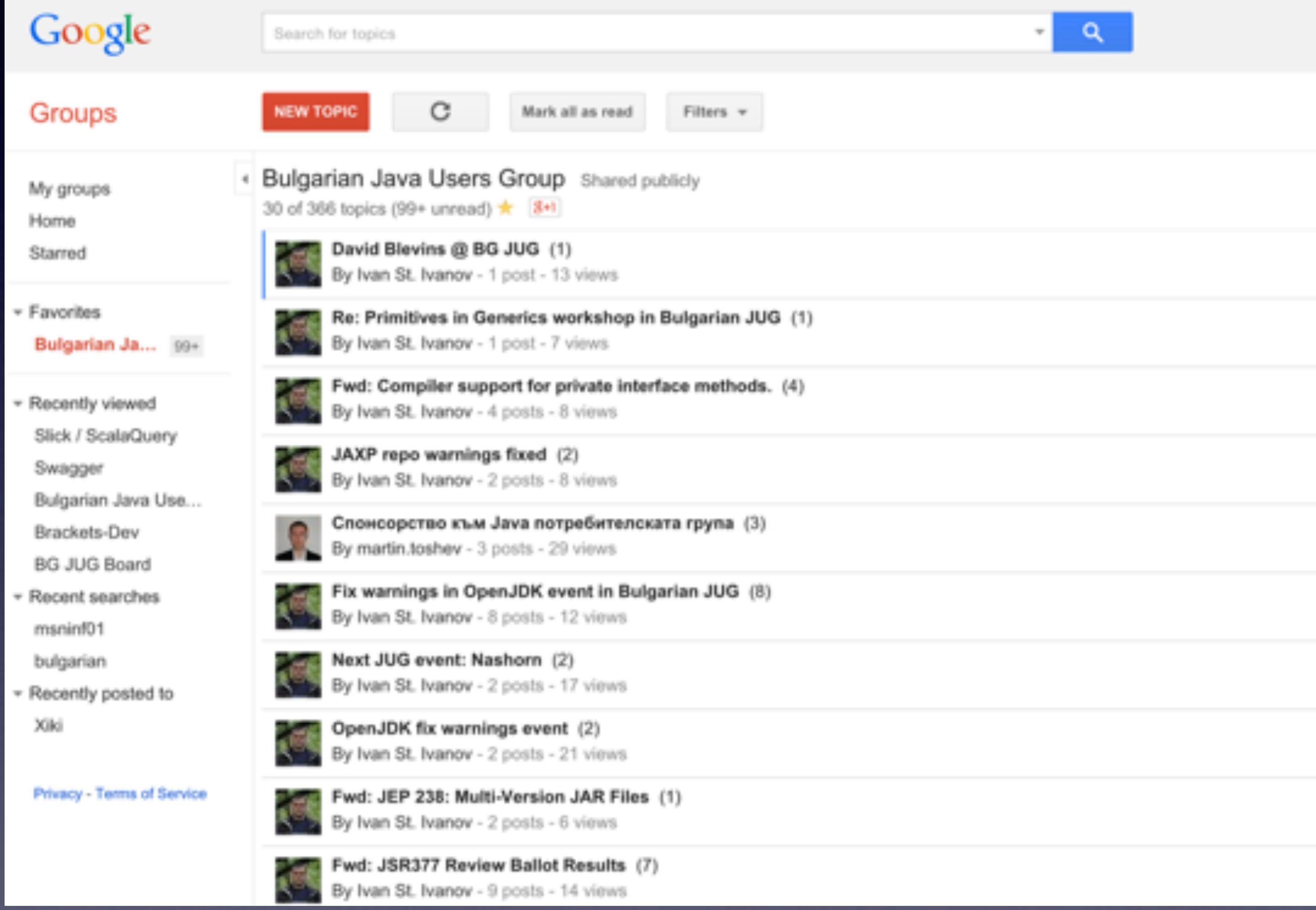
BGJUG – Bulgarian Java User Group

100+ Members

15+ Events

9999+ Drunken Beers

Date/Time	Event
01/06/2015 19:00 -19:00	RabbitMQ *TBD, Sofia*
01/05/2015 19:00 -19:00	Rapid Web Application Development *TBD, Sofia*
15/04/2015 19:00 -19:00	Scala- one step ahead *TBD, Sofia*



Bulgarian Java Users Group Shared publicly

30 of 366 topics (99+ unread)

David Blevins @ BG JUG (1)
By Ivan St. Ivanov - 1 post - 13 views

Re: Primitives in Generics workshop in Bulgarian JUG (1)
By Ivan St. Ivanov - 1 post - 7 views

Fwd: Compiler support for private interface methods. (4)
By Ivan St. Ivanov - 4 posts - 8 views

JAXP repo warnings fixed (2)
By Ivan St. Ivanov - 2 posts - 8 views

Спонсорство към Java потребителската група (3)
By martin.toshev - 3 posts - 29 views

Fix warnings in OpenJDK event in Bulgarian JUG (8)
By Ivan St. Ivanov - 8 posts - 12 views

Next JUG event: Nashorn (2)
By Ivan St. Ivanov - 2 posts - 17 views

OpenJDK fix warnings event (2)
By Ivan St. Ivanov - 2 posts - 21 views

Fwd: JEP 238: Multi-Version JAR Files (1)
By Ivan St. Ivanov - 2 posts - 6 views

Fwd: JSR377 Review Ballot Results (7)
By Ivan St. Ivanov - 9 posts - 14 views

http://groups.google.com/group/bg-jug/

Introduction to Spring and Spring MVC

What is MVC?

but… before that What is Servlet ?

Servlet

- Version 1.0 was released in 1997 (version 3.1 is released in 2013 as part of Java EE 7)
- A Java servlet is a Java programming language program that extends the capabilities of a server.

Servlet(example)

```
import java.io.IOException;

import javax.servlet.ServletConfig;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/ServletLifeCycleExample")
public class ServletLifeCycleExample extends HttpServlet {

    @Override
    public void init(ServletConfig config) throws ServletException {
        super.init(config);
        getServletContext().log("init() called");
    }

    @Override
    protected void service(HttpServletRequest request,
                        HttpServletResponse response)
            throws ServletException, IOException {
        getServletContext().log("service() called");
        response.getWriter().write("Hello world !");
    }

    @Override
    public void destroy() {
```

Demo

OK… what is JSP?

JSP

- JavaServer Pages (JSP) is a technology that helps software developers create dynamically generated web pages based on HTML, XML, or other document types
- Released in 1999

JSP(example)

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html;
charset=UTF-8">
<title>Insert title here</title>
</head>
<body>
    <p>Counting to three:</p>
    <% for (int i=1; i<4; i++) { %>
    <p>
        This number is
        <%= i %>.
    </p>
    <% } %>

    <p>OK.</p>
</body>
</html>
```

Demo

But this is.. hell of an ugly …php like ?!?

Don't panic !
JSTL will save the day

JSTL

- The JavaServer Pages Standard Tag Library (JSTL) is a component of the Java EE Web application development platform.
- It extends the JSP specification by adding a tag library of JSP tags for common tasks such as conditional execution, loops and internationalization.
- Version 1.0 was released in 2002, but major usage started with version 1.2 in 2006

JSP with JSTL(example)

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix="c" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Insert title here</title>
</head>
<body>
    <p>Counting to three:</p>
    <c:forEach begin="1" end="3" var="i">
        <p>
            This number is ${i}
        </p>
    </c:forEach>

    <p>OK.</p>
</body>
</html>
```

Demo

OK now … MVC ? I think it’s time ! but before that… Model 1 for Web development

Design Models

- Before developing the web applications, we need to have idea about design models. There are two types of programming models (design models)

Model 1

- Servlet and JSP are the main technologies
  to develop the web applications.

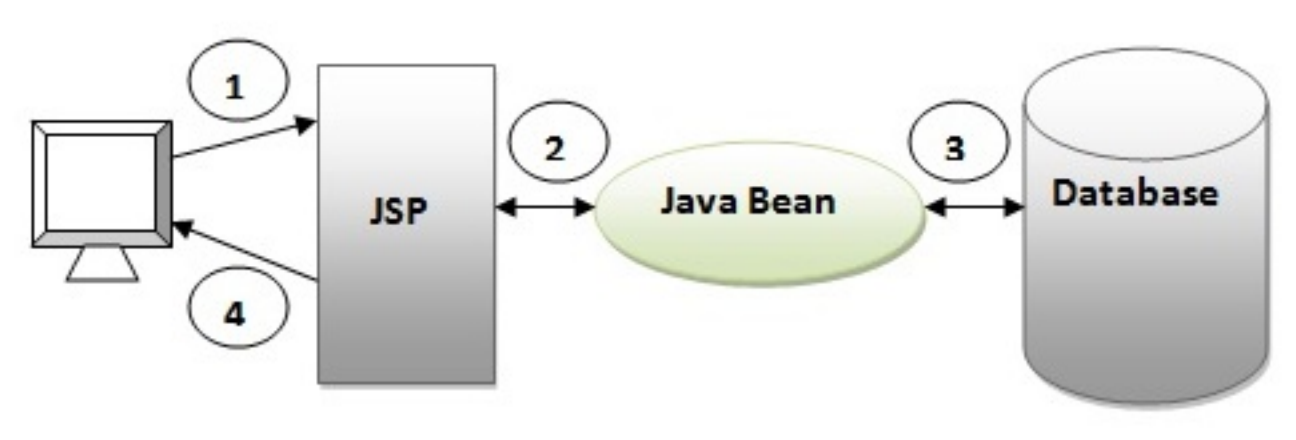
- Servlet was considered superior to CGI.
  Servlet technology doesn't create process,
  rather it creates thread to handle request

- Problem in Servlet technology :
  Servlet needs to recompile if any designing code is modified.
  It doesn't provide separation of concern.
  Presentation and Business logic are mixed up.

Model 1

- JSP overcomes almost all the problems of Servlet.
  It provides better separation of concern,
  now presentation and business logic can
  be easily separated.
- You don't need to redeploy the application
  if JSP page is modified.
- JSP provides support to develop web application
  using JavaBean, custom tags and JSTL

Model 1



- Browser sends request for the JSP page
- JSP accesses Java Bean and invokes business logic
- Java Bean connects to the database and get/save data
- Response is sent to the browser which is generated by JSP

Model 1

Pros :

- Easy and Quick to develop web application

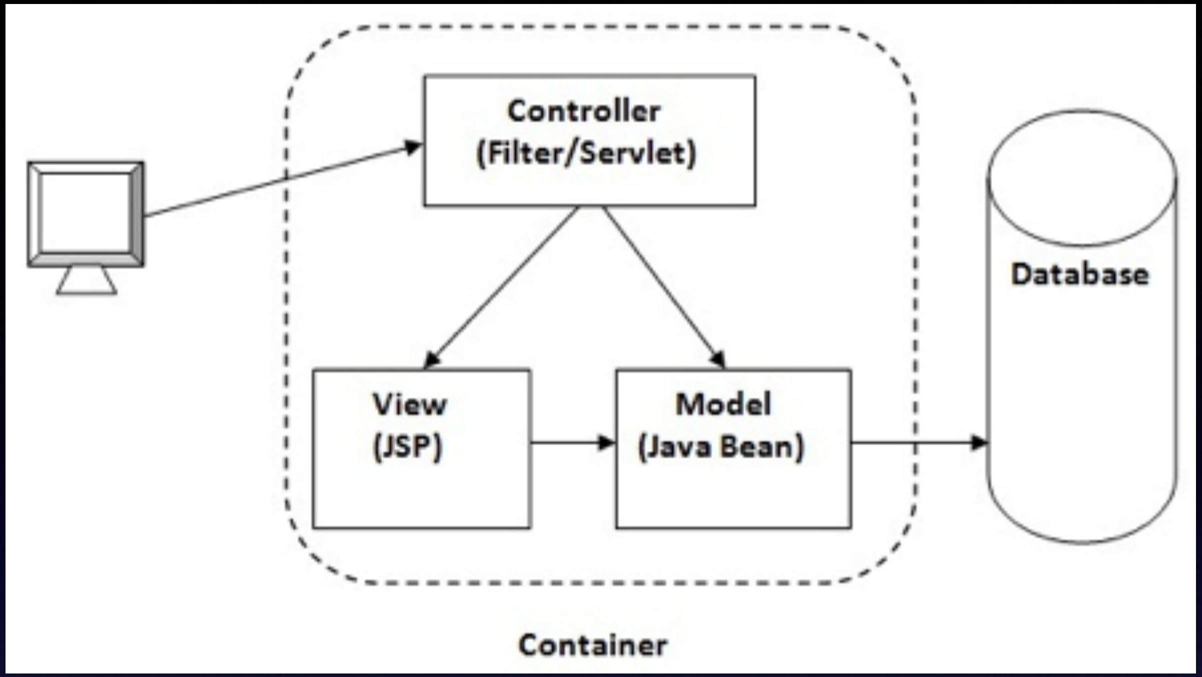
Cons:

- Navigation control is decentralized since every page contains the logic to determine the next page.
  If JSP page name is changed that is referred by other pages, we need to change it in all the pages that leads to the maintenance problem.
- Time consuming sometime :
  You need to spend more time to develop custom tags in JSP. So that we don't need to use scriptlet tag.
- Hard to extend It is better for small applications but not for large applications

Model 2 (MVC)

- Model 2 is based on the MVC (Model View Controller) design pattern.
- Model–view–controller (MVC) is the software architectural pattern for implementing user interfaces.
- The pattern is not NEW !
- Trygve Reenskaug introduced MVC into Smalltalk-76 while visiting Xerox Parc in the 1970s.
- In the 1980s, Jim Althoff and others implemented a version of MVC for the Smalltalk-80

Model 2 (MVC)



- Model - The model represents the state (data) and business logic of the application.
- View - The view module is responsible to display data i.e. it represents the presentation.
- Controller The controller module acts as an interface between view and model.
  It intercepts all the requests i.e. receives input and commands to Model / View to change accordingly.

Model 2

Pros :

- Navigation control is centralized
  Now only controller contains the logic to determine
  the next page.
- Easy to maintain
- Easy to extend
- Easy to test
- Better separation of concerns

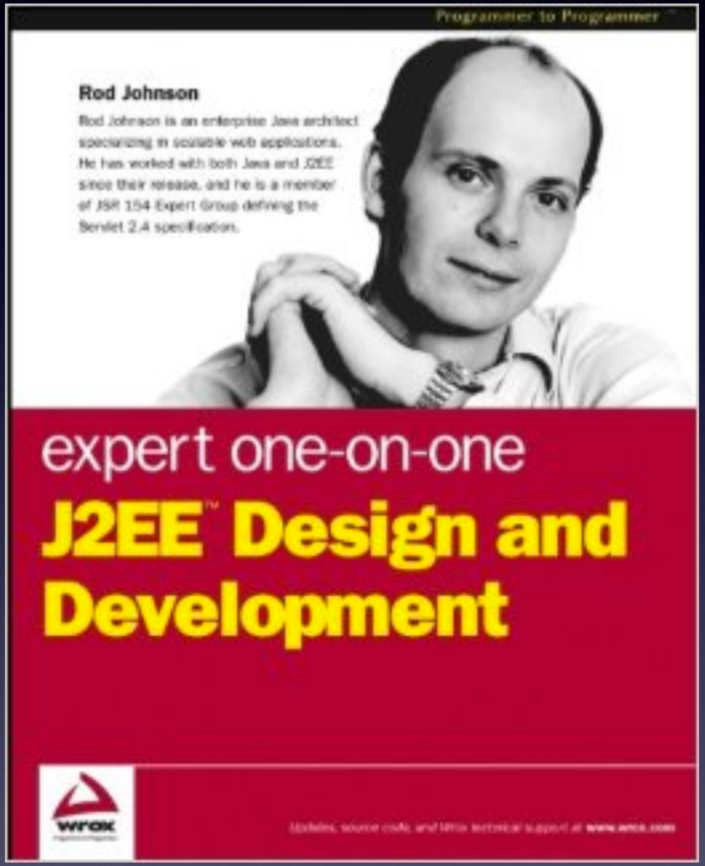
Cons:

- We need to write the controller code self.
  If we change the controller code,
  we need to recompile the class and redeploy the application.

Demo

OK.. now .. Spring MVC but before that… wtf is Spring ?

In 2002 this book was released (by Rob Johnson) :



Programmer to Programmer™

Rod Johnson

Rod Johnson is an enterprise Java architect specializing in scalable web applications. He has worked with both Java and J2EE since their release, and he is a member of JSR 154 Expert Group defining the Servlet 2.4 specification.

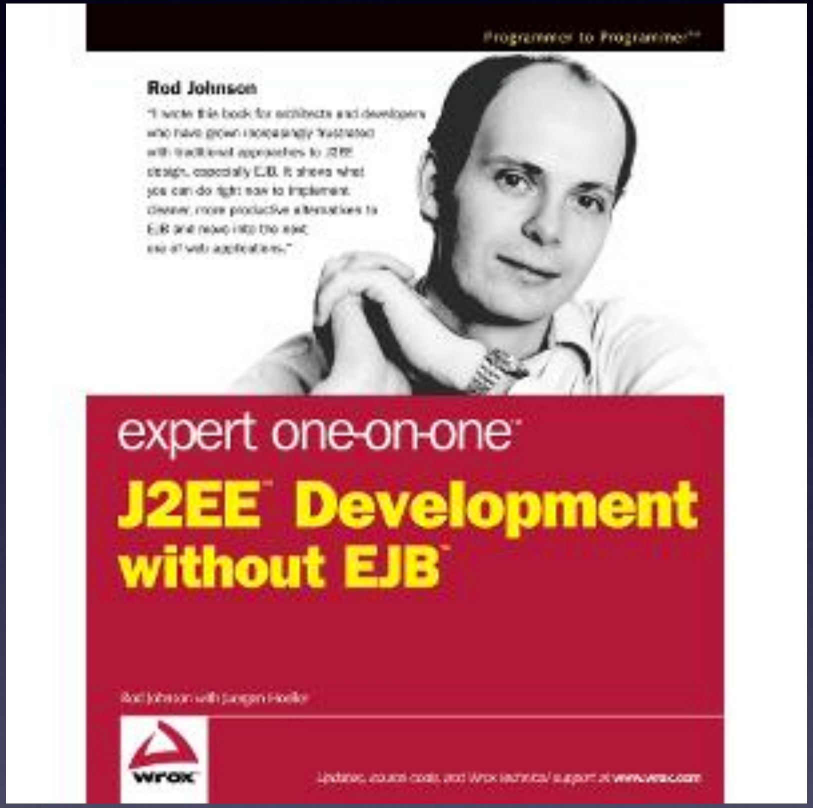
expert one-on-one

J2EE™ Design and Development

wrox

Updates, source code, and Wrox technical support at www.wrox.com

In 2004 this book was released (with contribution of Jürgen Höller) :



Programmer to Programmer™

Rod Johnson

"I wrote this book for architects and developers
who have grown increasingly frustrated
with traditional approaches to J2EE
design, especially EJB. It shows what
you can do right now to implement
cleaner, more productive alternatives to
EJB and move into the next
era of web applications."

expert one-on-one™

J2EE™ Development without EJB™

Rod Johnson with Juergen Hoeller

wrox

Updates, source code, and Wrox technical support at **www.wrox.com**

Spring history

- The first version was written by Rod Johnson and based on examples in the book from 2002.
- The framework was first released under the Apache 2.0 license in June 2003.
- The first milestone release, 1.0, was released in March 2004.

Spring

- Central to the Spring Framework is its inversion of control (IoC) container,
  which provides a consistent means of configuring
  and managing Java objects using reflection.
- The container is responsible for managing
  object lifecycles of specific objects:
  creating these objects, calling their initialization methods, and
  configuring these objects by wiring them together.
- Objects created by the container are also called managed objects
  beans.

Spring (example)

Spring MVC (example)

Contacts

Blog : http://gochev.org
email : gochev@gmail.com
Facebook: https://www.facebook.com/gochev
Linkedin: https://www.linkedin.com/in/gochev
Skype: joke.gochev
GitHub : https://github.com/gochev/