

Introduction to Spring MVC

Bryan Hansen

twitter: bh5k

<http://www.linkedin.com/in/hansenbryan>



Which Framework?

Struts™



 springsource community



 **Stripes**



apache
tapestry 5
Code less, deliver more.

What is Spring MVC?



What is Spring MVC?

- **A web framework built around the principles of Spring**
- **POJO based and Interface driven**
- **Based on a Dispatcher Servlet / Front Controller pattern**
 - MVC stands for Model-View-Controller
- **Very lightweight and unobtrusive compared to other frameworks**
- **Built from the shortcomings of Struts 1**
- **Support for:**
 - Themes
 - Locales/i18n
 - Restful services
 - Annotation based configuration
 - Seamless integration with other Spring Services/Beans

History



Milestone
Release
(2003)

1.0
Release
(2004)

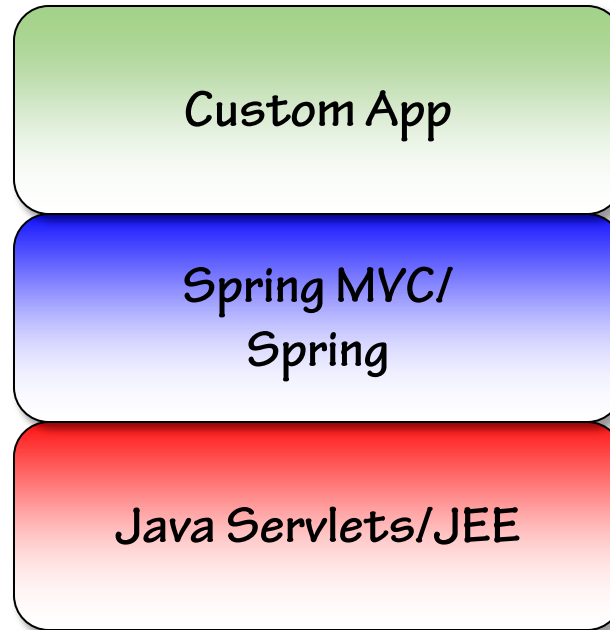
1.2.6
Jolt Award
(2006)

2.0
Release
(2006)

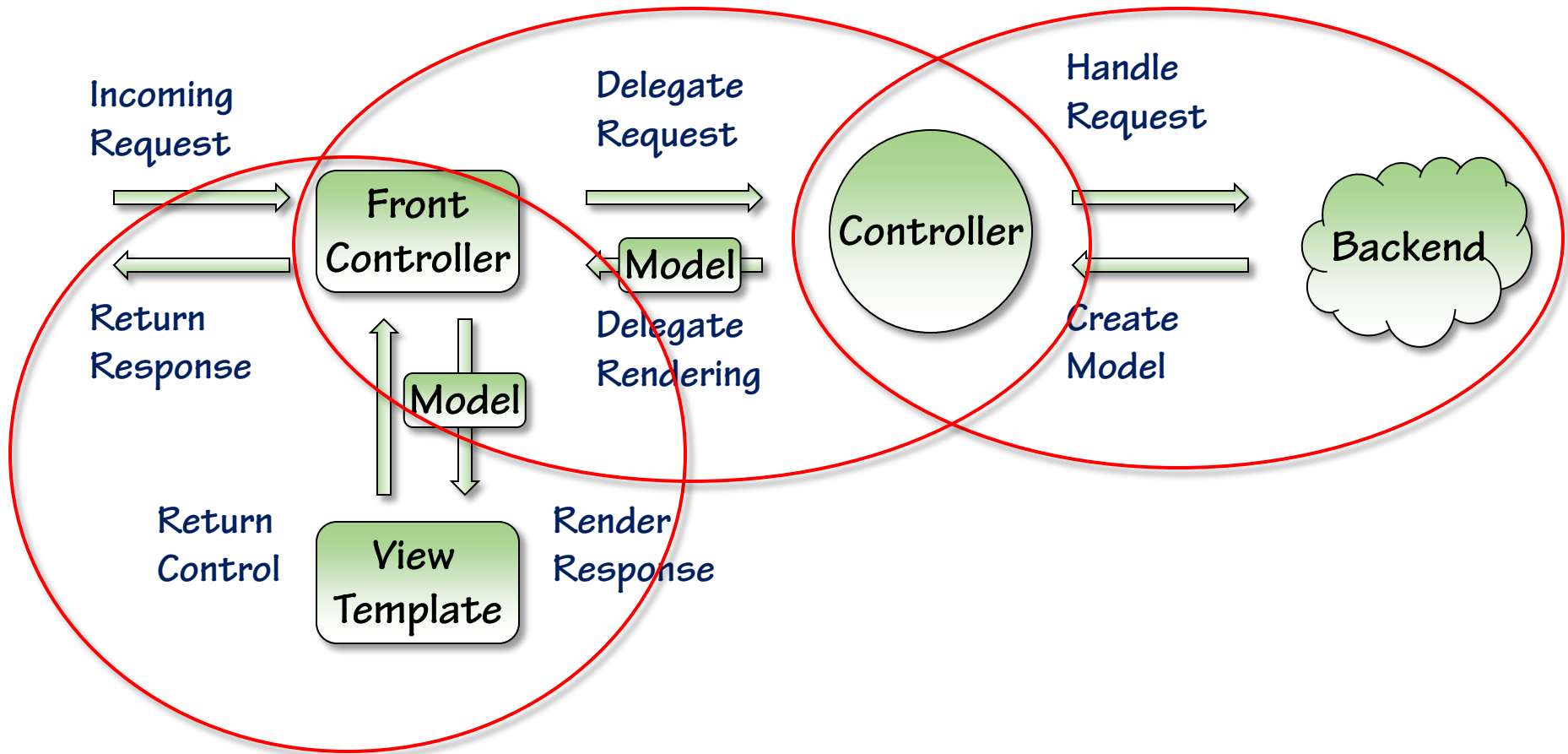
2.5
Release
(2007)

3.0
Release
(2009)

Architecture



Request / Response Lifecycle



Vocabulary

- **DispatcherServlet** – The entry / configuration point for the Application
- **Controller** – Command pattern object that handles the request and determines which view to route to
- **RequestMapping** – The url and request type that a method is tied to
- **ViewResolver** – Used to locate JSP pages or whatever view we are using
- **Servlet-config** – Configuration file per DispatcherServlet
- **POJO** – Plain Old Java Object
- **Bean** – A Spring configured POJO



Summary

- J2EE Based
- Built around best practice patterns
- Stable release cycle
- Backwards compatible
- Very active community
- Lightweight and unobtrusive
- Flexible to use with Web Services, Javascript UI, standard HTML, etc...

