

Adam Retter

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MVC and others

- MVC or similar is desirable for Separation of Concerns
- Frameworks -
 - JSF (Java Server Faces) – view can be either JSP or Facelets (easy templating)
 - MVC and Managed Beans
 - IceFaces – <http://www.icefaces.org/> Good view components, Support available
 - PrimeFaces – <http://www.primefaces.org/> Many pretty view components
 - MyFaces – <http://myfaces.apache.org/> Fragmented and 'ugly' view components
 - PrettyFaces - <http://ocpsoft.com/prettyfaces/> Provides RESTful URL's
 - Spring Web MVC
 - MVC and Dependency Injection (better than JSF Managed beans)
 - No view framework, plain JSP by default
 - Can be coupled with a JSF framework for view (tricky)
 - Spring Web Flow
 - Built atop Spring Web MVC
 - Adds Spring Faces support for view

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MVC and others

- Frameworks (cont.) -
 - Struts
 - MVC
 - Can be coupled with Spring for Dependency Injection
 - Plugins allow easy add-ons, e.g. REST URLs, Hibernate, jFreeChart, jQuery etc.
 - JSF vs. Struts
 - Struts is more mature than JSF (older)
 - JSF is a JCP Standard, Struts is bespoke
 - JSF is more flexible (and now more popular?)
 - Others Frameworks -
 - For Java - Wicket, Stripes, Wicket, Play!, Tapestry / Seam (Java EE)
 - For JVM - Scala has LiftWeb and Play! / Groovy has Grails
- Alternatives to MVC -
 - MVA – Model View Adapter – Model and View are completely separated by Controller
 - MVVM – Model View View-Model – Microsoft, designed for removing code from UI view

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- Explain RESTful URL's
- Explain Inversion of Control – e.g. don't call me I will call you – used in WebApps
i.e. urls are dynamically associated with a controller etc
- Spring also gives dependency injection – explain dependency injection

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- LiftWeb – impossible to put logic into the view
- Grails – from Groovy on Rails – from Rails
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