Spring MVC 4 Architecture

Bryan Hansen
twitter: bh5k
http://www.linkedin.com/in/hansenbryan
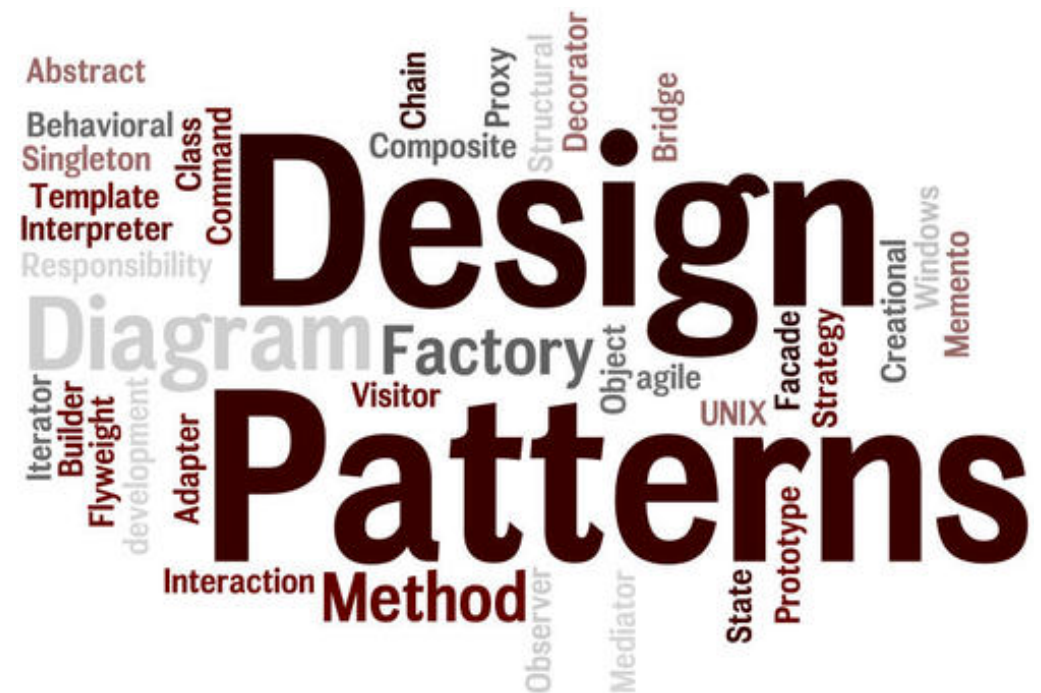
pluralsight
hardcore dev and IT training

Changes

- MV* Patterns

- Controllers

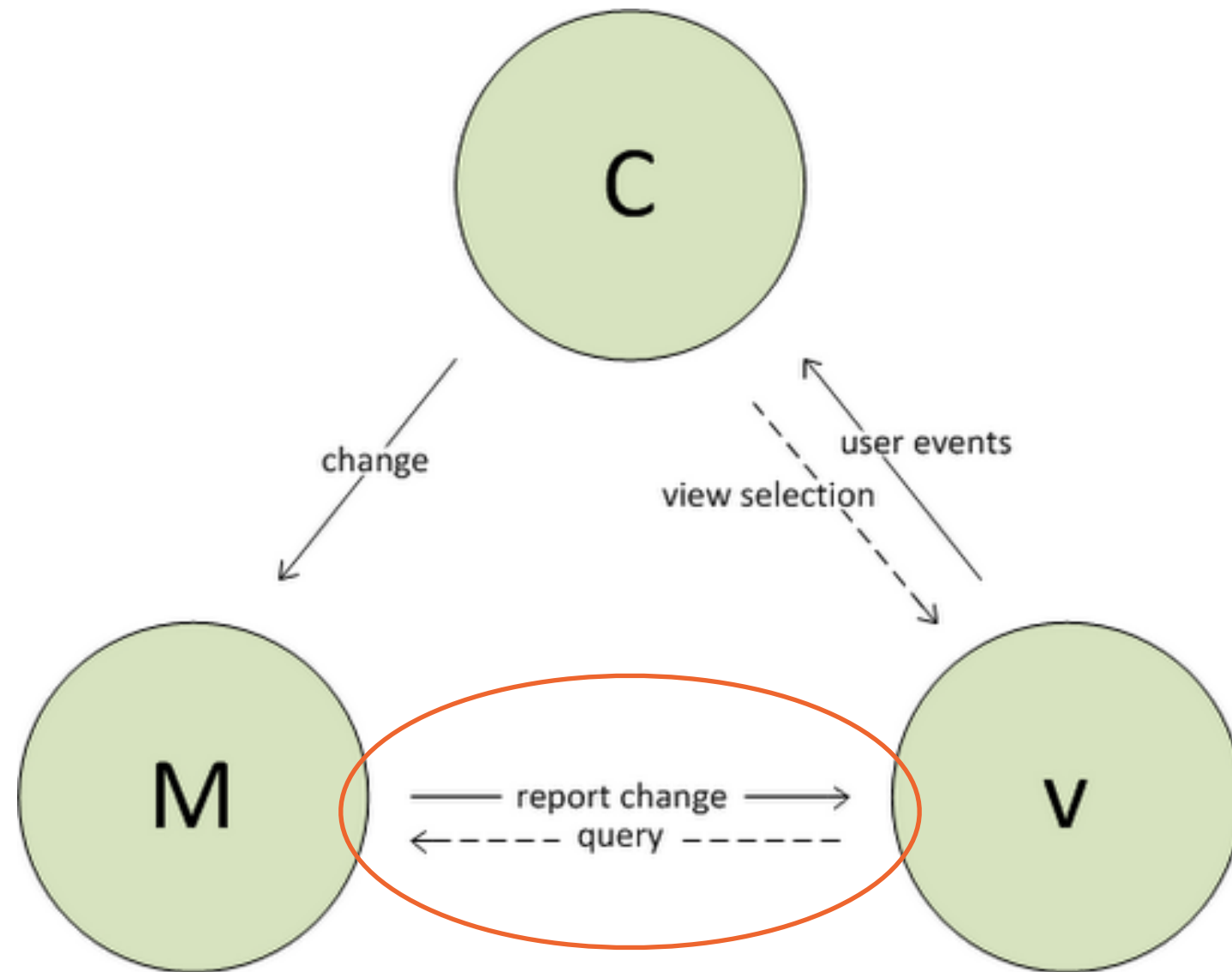- Service

- Repository

MVC, MVP, MVVM

- MVC is still a sound pattern

- MVP, MVVM, MV*

    - Javascript Frameworks

    - Mobile Applications
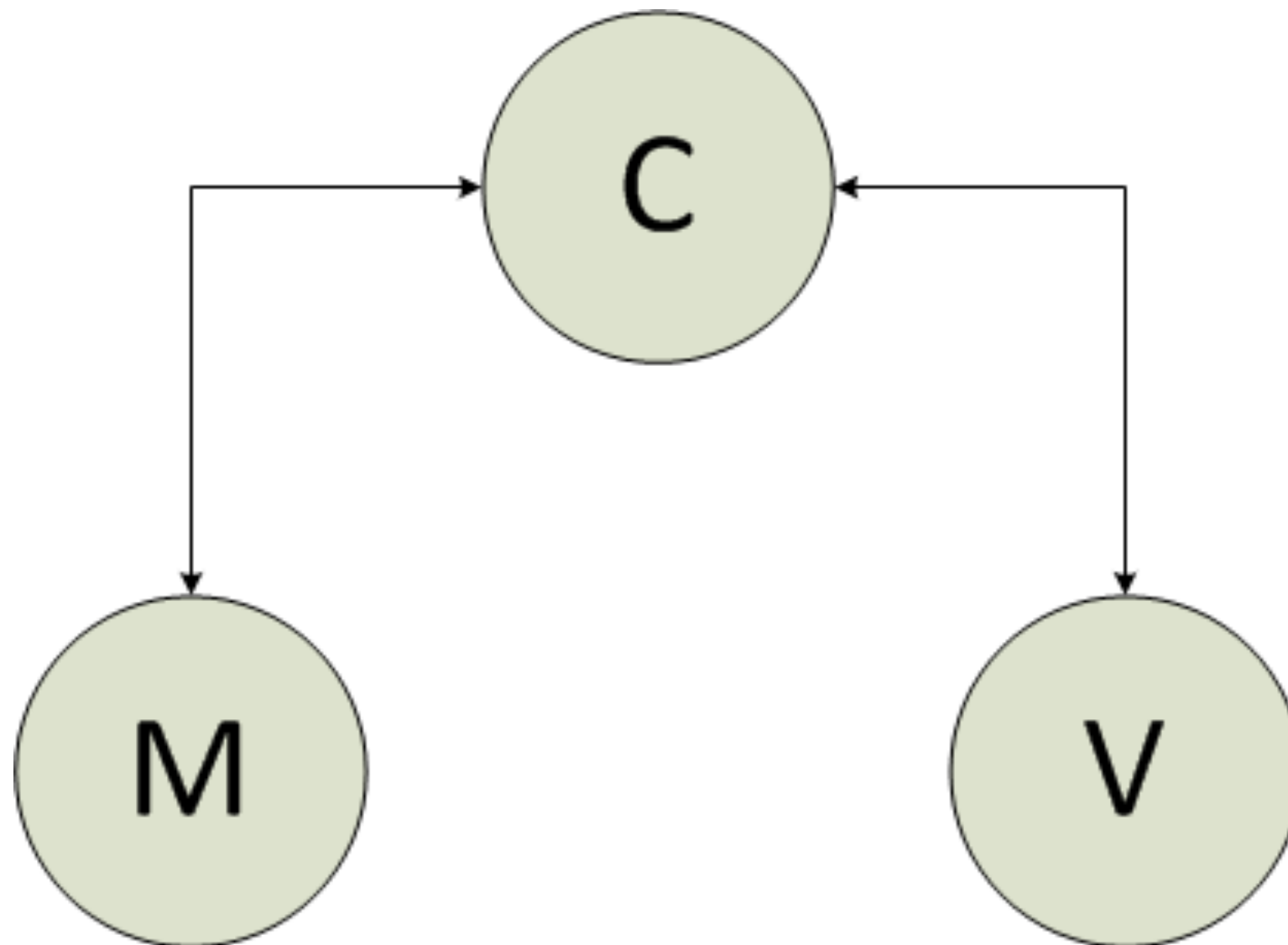
    - RESTFul Services

ModelView-ViewModel

- Originated from .NET

  - XAML

  - Principles adopted to other languages

- RESTFul backend

- Rich JavaScript Frontend
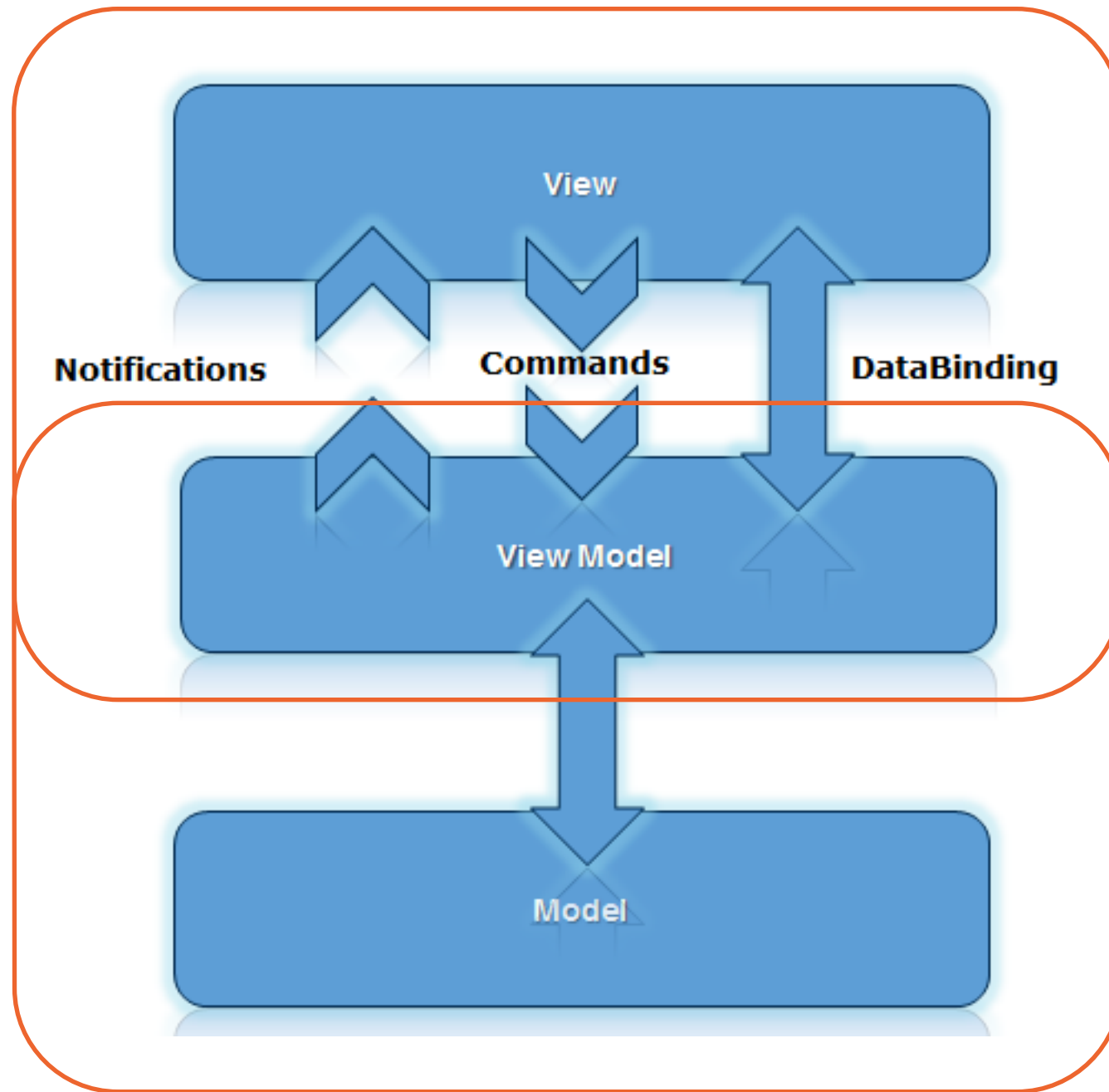
- Layers cleanly separated

MVC

MVC Web

MVVM

View

Notifications   Commands   DataBinding

View Model

Model

Controllers

- XML configuration is reduced

- New @RestController annotation

- @EnableWebMvc

Service

- Java configuration doesn't require an appContext.xml or even a servlet-config.xml

- Annotations for various configuration elements

  - component-scan

  - interceptors

  - handlers

  - formatters

  - converters

- Convenience annotations similar to namespaces

Repository

- Just like the Service tier Java configuration doesn't require an appContext.xml or even a servlet-config.xml

- Different types of Repositories if using Spring Data JPA

- Convention over Configuration

Summary

- MVVM

- Controllers

- Service

- Repository