controller

db

view

model
service + dao layer
throws PaneerNotFoundEx

DataAccessEx

:)

- SQLEx
- HibernateEx
- MongoEx

org.springframework.dao.annotation.PersistenceExceptionTranslationPostProcessor
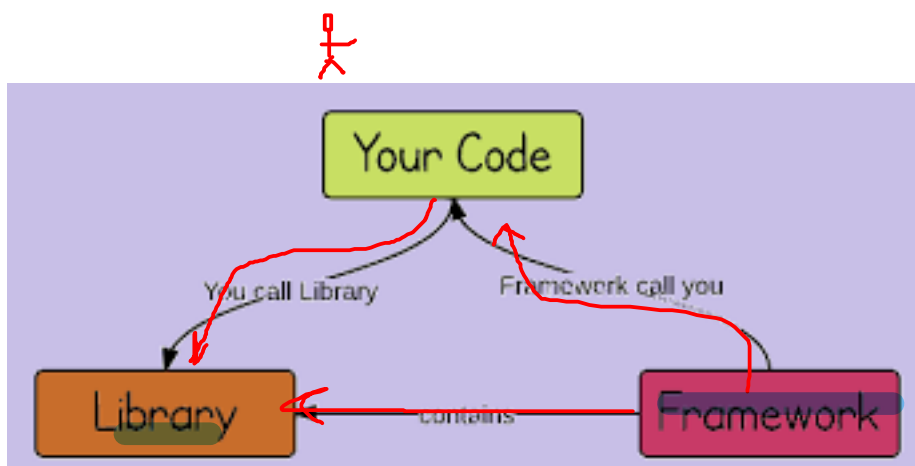
framework vs lib

Design pattern and framework?

A design pattern is a concept, or a receipt for how to
get a specific problem done.

A Framework is code ready for use, usually packaged in a way
 that makes creating an application much easier

maggi

instruction

half backed food

Your Code

You call Library

Framework call you

Library

contains

Framework

inversion of control

Spring mvc : build on top of servlet api

What is servlet: peice of java code that run and produce
dynamic html

used to create dynmic web app

servlet vs jsp (jsp transleate to servlet)

servlet: controller
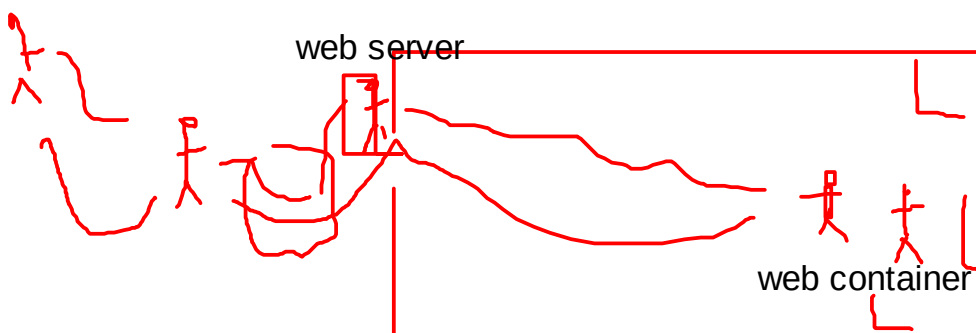jsp: view layer (look like html)
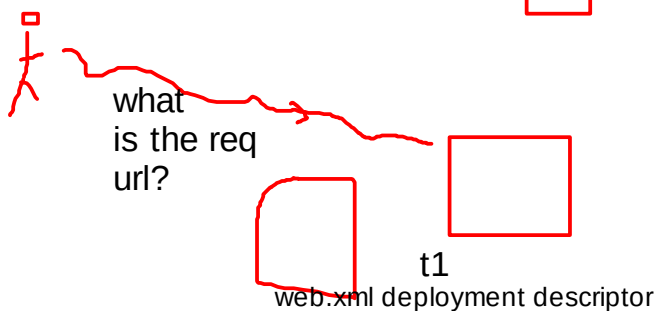
you need container : tomcat 9

Spring MVC

Servlet

container   web server
tomcat vs apache httpd server vs negix

web server

web container

t1

t2

t3

tomcat vs apache https
            load balancing

what
is the req
url?

t1
web.xml deployment descriptor

Spring boot

Spring mvc

Servlet

Front controller dp

	k	v
	hellourl	get

HashMap

Handler
Mapping

2

3

Request

1

Dispatcher
Servlet

ModelAndView

Controller

4

whatever data i am putting into
model and view it automatically put into
requst scope

5

ViewResolver

6

View
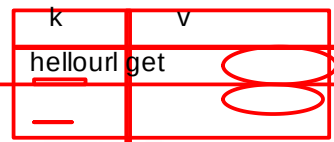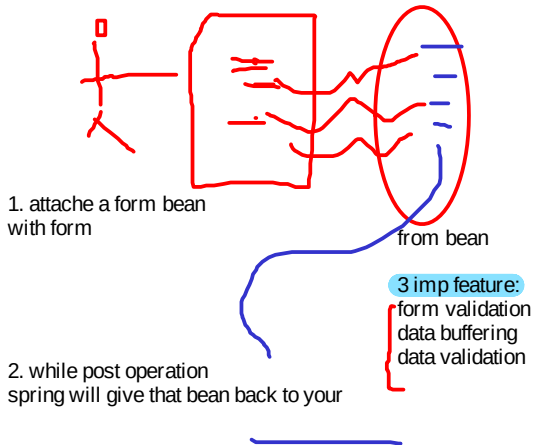
/WEB-INF/views/mypage.jsp

```
<bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">
    <property name="prefix" value="/WEB-INF/views/"/>
    <property name="suffix" value=".jsp"/>
</bean>
```
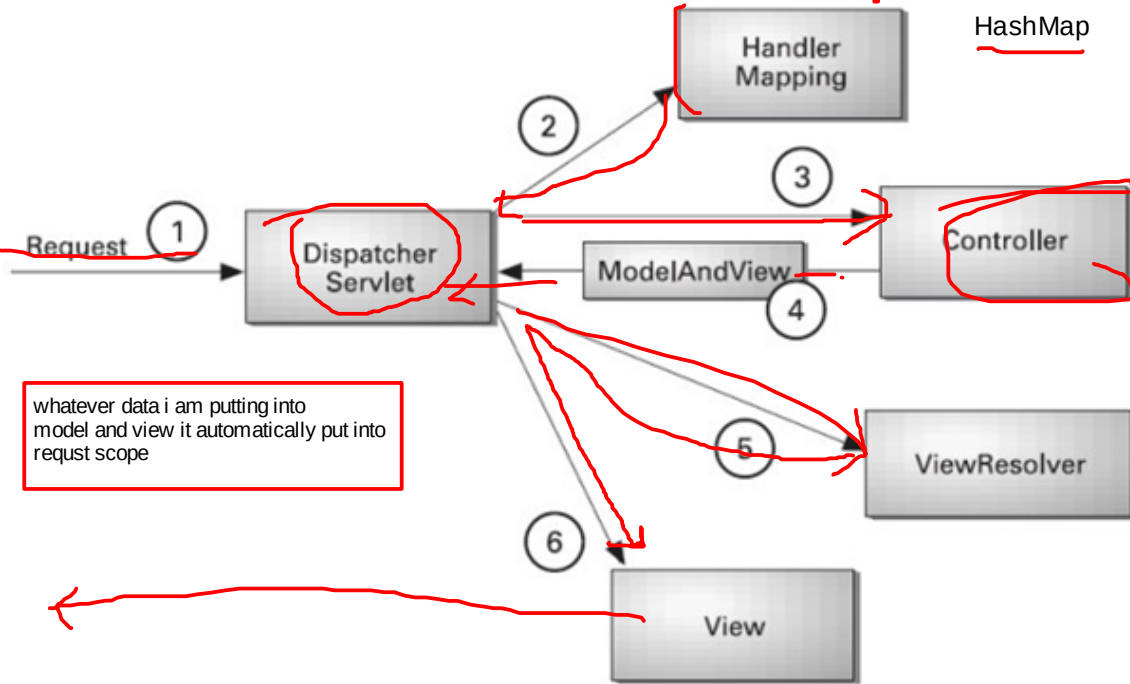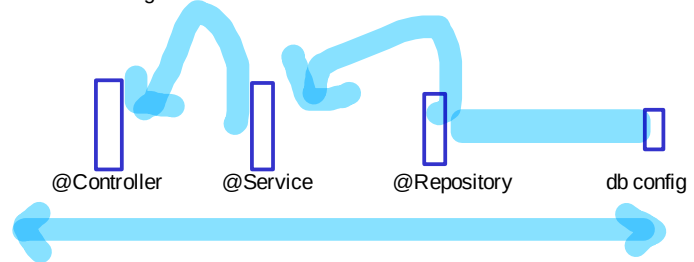
post / put

Whatever data user is inputing into the form it should be populated into a java object
that java object is called form bean

1. attache a form bean
with form

from bean

3 imp feature:
form validation
data buffering
data validation

2. while post operation
spring will give that bean back to your

* Servlet basics
* Spring mvc arch
* how to integrate 3 tier arch

@Controller   @Service   @Repository   db config

jackson-databind
is used to convert our dto -> json object

If we are good in sprng mvc with both xml and java conf what next?

Try spring boot : wrapper on spring mvc
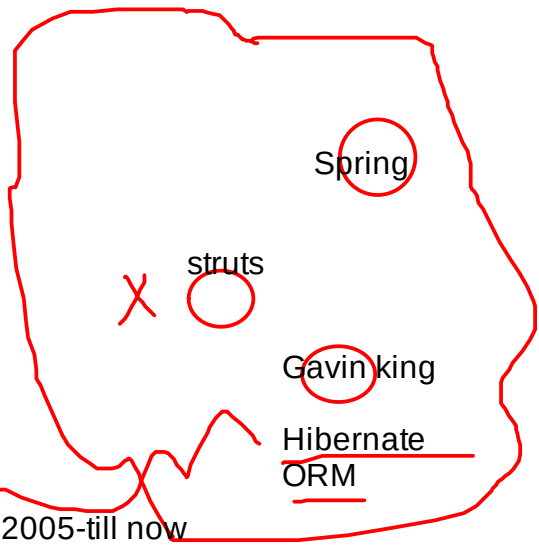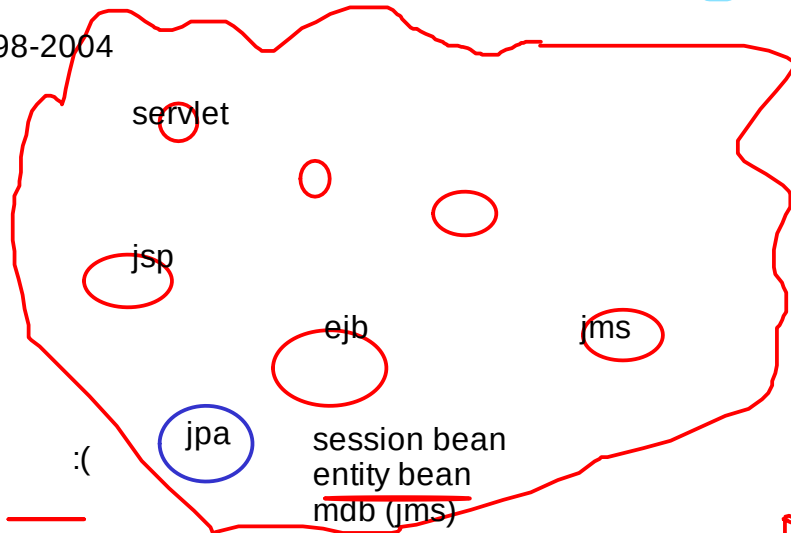

spring integration
vs
camel
vs
mule

:(

mvc + hib+ sec+ rabbitmq
  + spring integration
  +..
  +...
+ELk

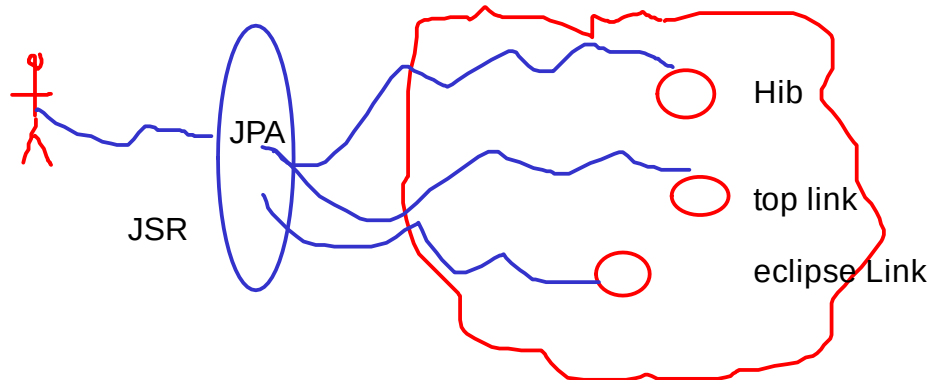Spring boot=spring- infra bean config + embedded tomcat+ application monitoring + Actuator

what is the diff bw hibernate and jpa

J2EE : group of specification for creating dy and dist app

1998-2004

servlet

jsp

ejb   jms

jpa   session bean
:(entity bean
              mdb (jms)

Spring

struts

Gavin king

Hibernate
ORM

2005-till now

JPA

JSR

Hib

top link

eclipse Link

Car c=new Car();
Vehical v=new Car();

ORM

SessionFactory   EntityMangerFactory

Session   EntityManger