

**Java para  
Desenvolvimento  
Web**

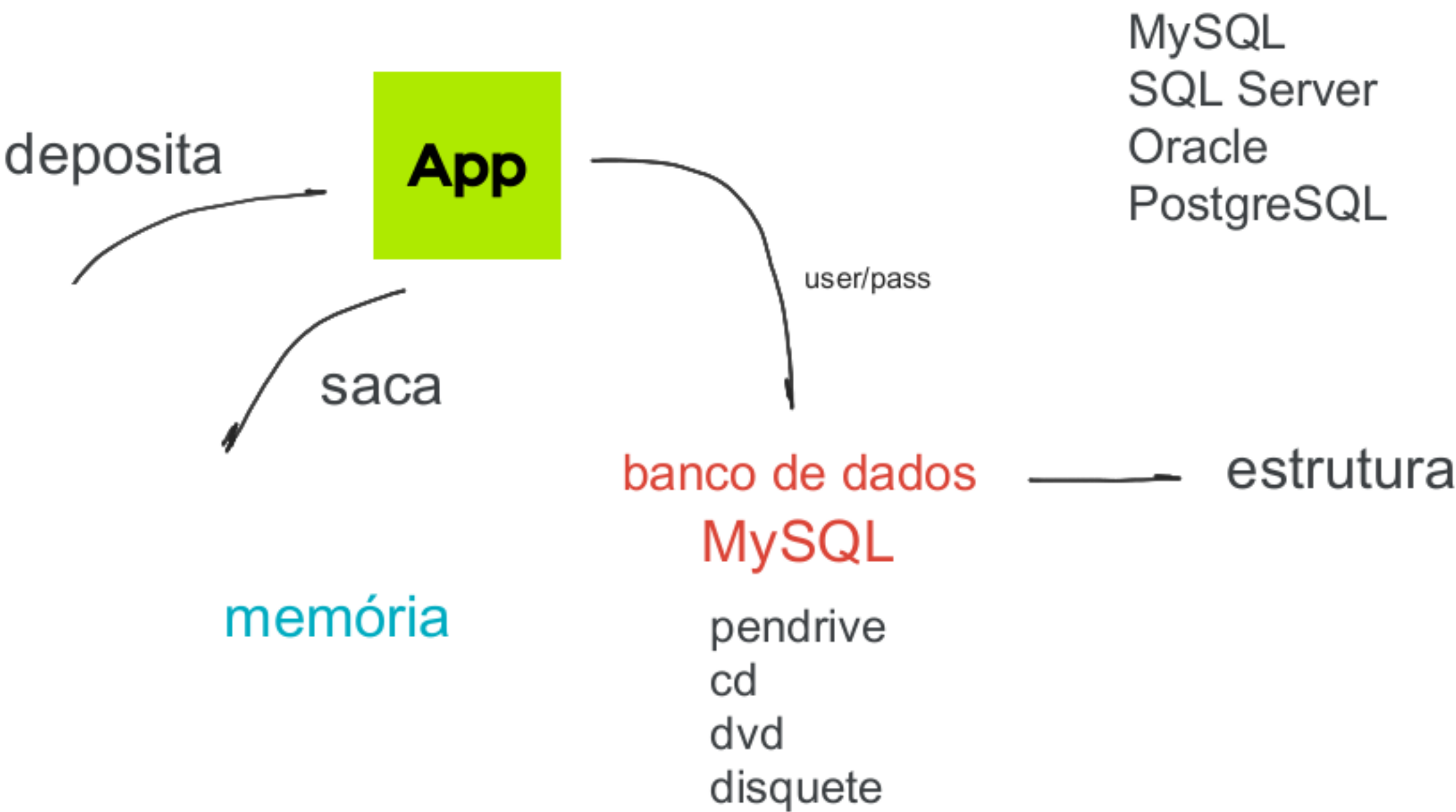
**Bem  
vindos  
:)**

Leonardo Silva  
leonardo.silva@caelum.com.br

Nome?  
De onde é?  
Desenvolve?

<http://dontpad.com/java-e-vida-9478>

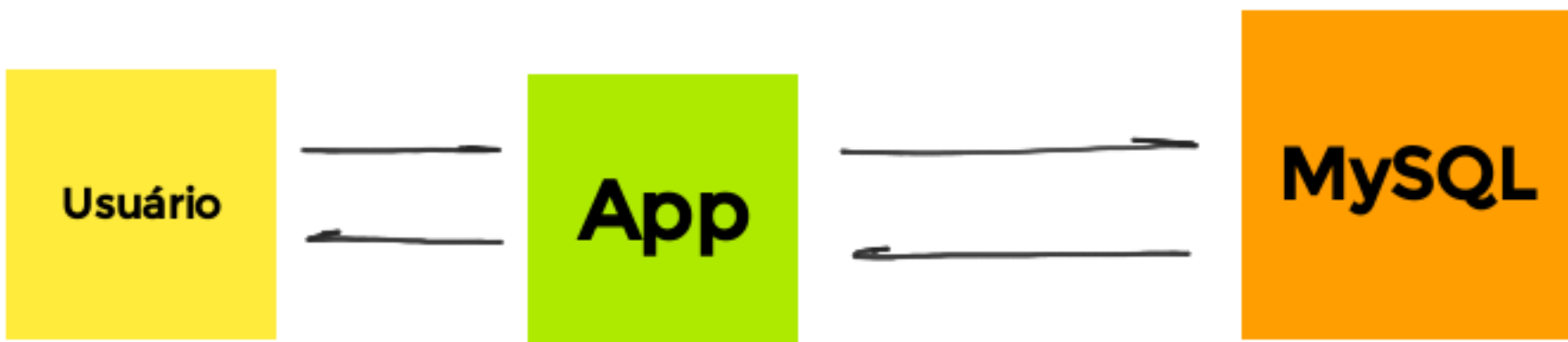
# Banco de dados



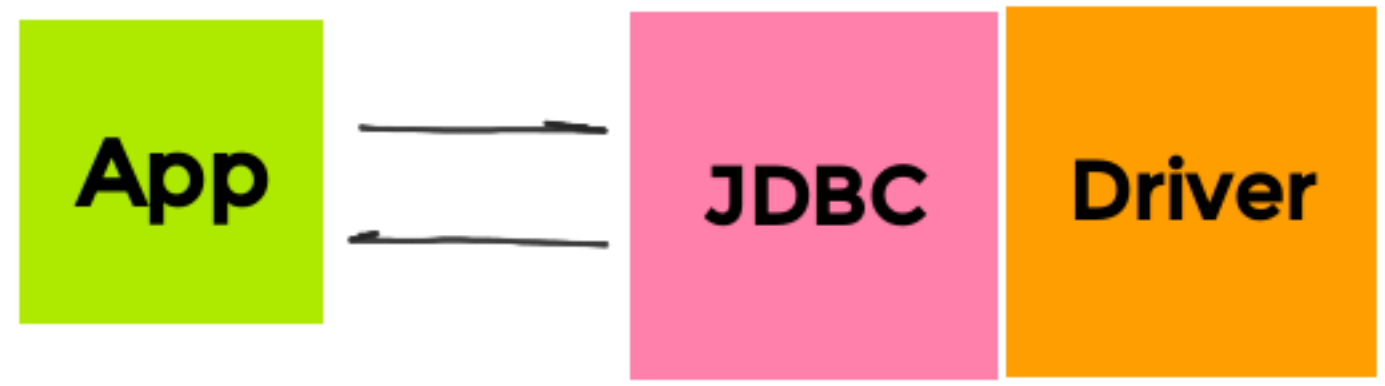
Banco de dados

Driver

Oracle



192.168.0.1:3306  
user/pass  
Socket



Java

java.sql

192.168.0.1:3306



Inserir  
Contato



Listar os  
Contatos

**Java  
SE**

Standard Edition

JDBC

**Java  
EE**

Empresas

**Java  
EE 8**

JAX-WS

JSP - Java Server Pages

JSTL - Java Server Taglibs

JSF - Java Server Faces

Servlets

## Servidor de Aplicação

Glassfish (12.0 - JAVA EE 7)

WebSphere (IBM)

WebLogic (Oracle)

Jboss (RedHat)

Totalmente Java EE

## Servlet Container

Tomcat

Jetty

Wildfly

Parcial Java EE

App

**Server  
(Tomcat)**

internet

HTTP

# Java EE

## Servlet

Só HTML -> Estático

/fj21-agenda/

Chrome

IE

Safari

http

index.html

fj21

Servlet

Server  
(Tomcat)

http://localhost:8080/

http://localhost:8081/

/oi

Chrome

html com msg

Olá Mundo Servlet

Server  
(Tomcat)

http://localhost:8080/

fj21-agenda

Servlet

OiMundoServlet

### Servlet

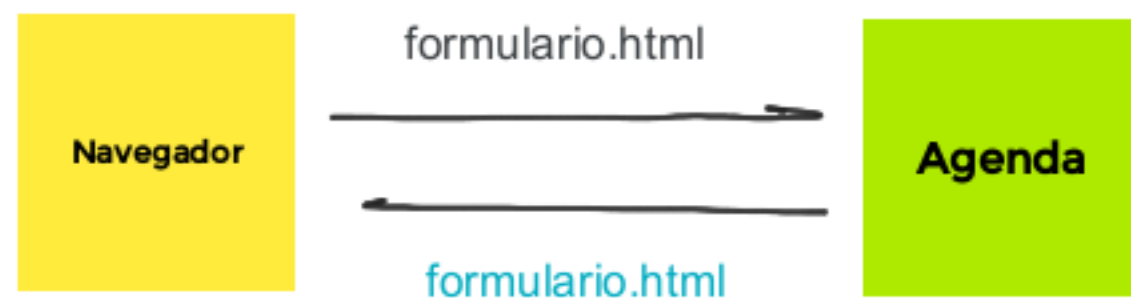
OiMundoServlet

/oi

/ola

mapeamento!

1



2



**Contato**

Agenda

nome  
email  
endereco  
dataNascimento

## Verbos HTTP

GET (Busca)  
POST (Criar)  
DELETE (Apagar)  
PUT (Atualizar)

CRUD

~~HTML~~ no Java

~~Java~~ no HTML

JSP -> Servidor processa ela

Listar os Contatos

**JSP**

**JSP  
(Digitar  
uma  
idade)**

**JSP  
(Mostrar a  
idade)**

Scriptlet

JSTL  
(Taglibs)

for

if

if-else

EL Expression Language  
-> `${param.idade}`

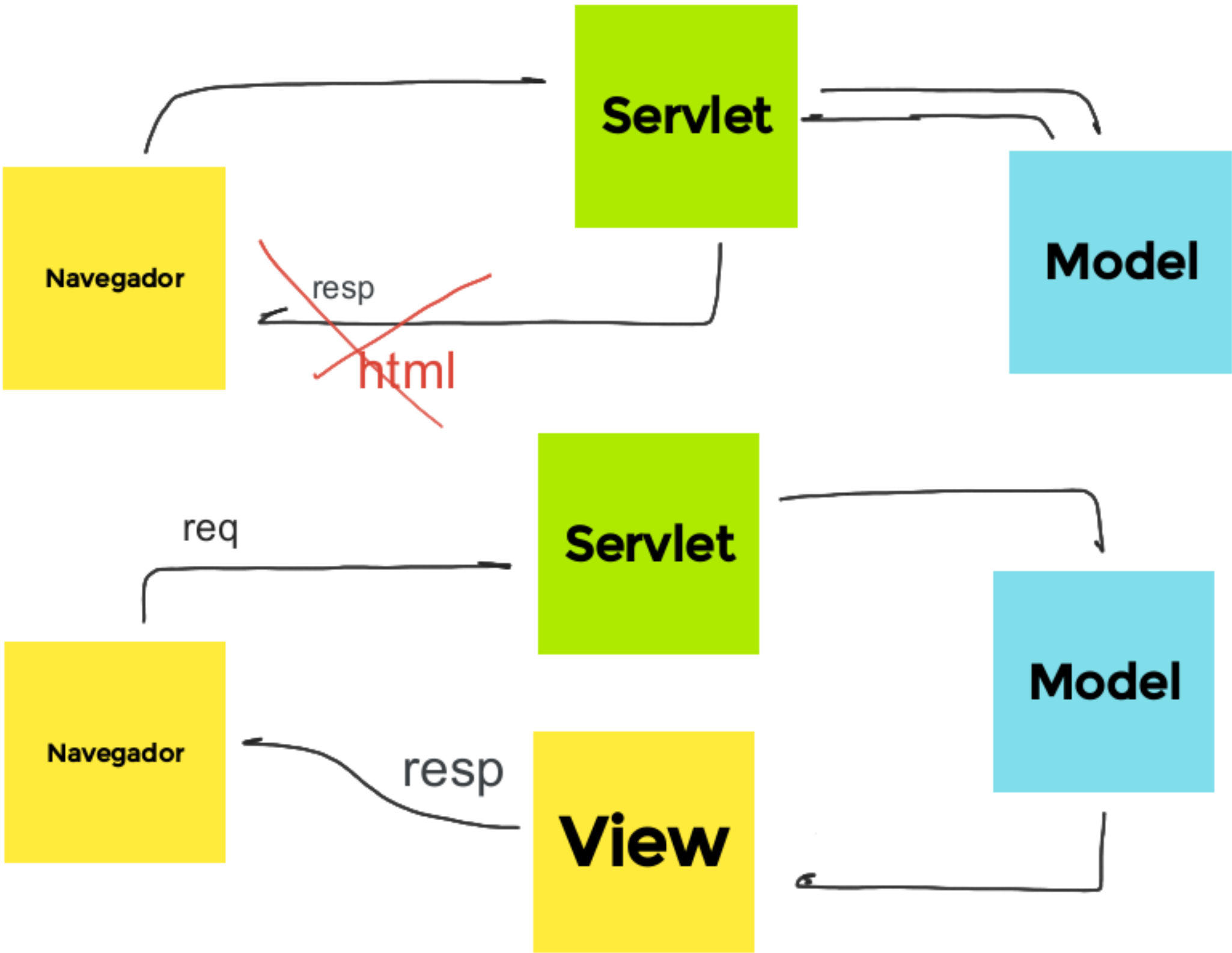
c:catch - bloco do tipo try/catch  
c:forTokens - for em tokens (ex: "a,b,c" separados por vírgula)  
c:out - saída  
c:param - parâmetro  
c:redirect - redirecionamento  
c:remove - remoção de variável  
c:set - criação de variável

Se e-mail informado > link  
para envio se não mostra  
"Não informado"



**WEB**

- Entrada Servlet
  - Lógica Model (DAO, Contato, ....)
  - Tela View
- AdicionaContatoServlet JSP

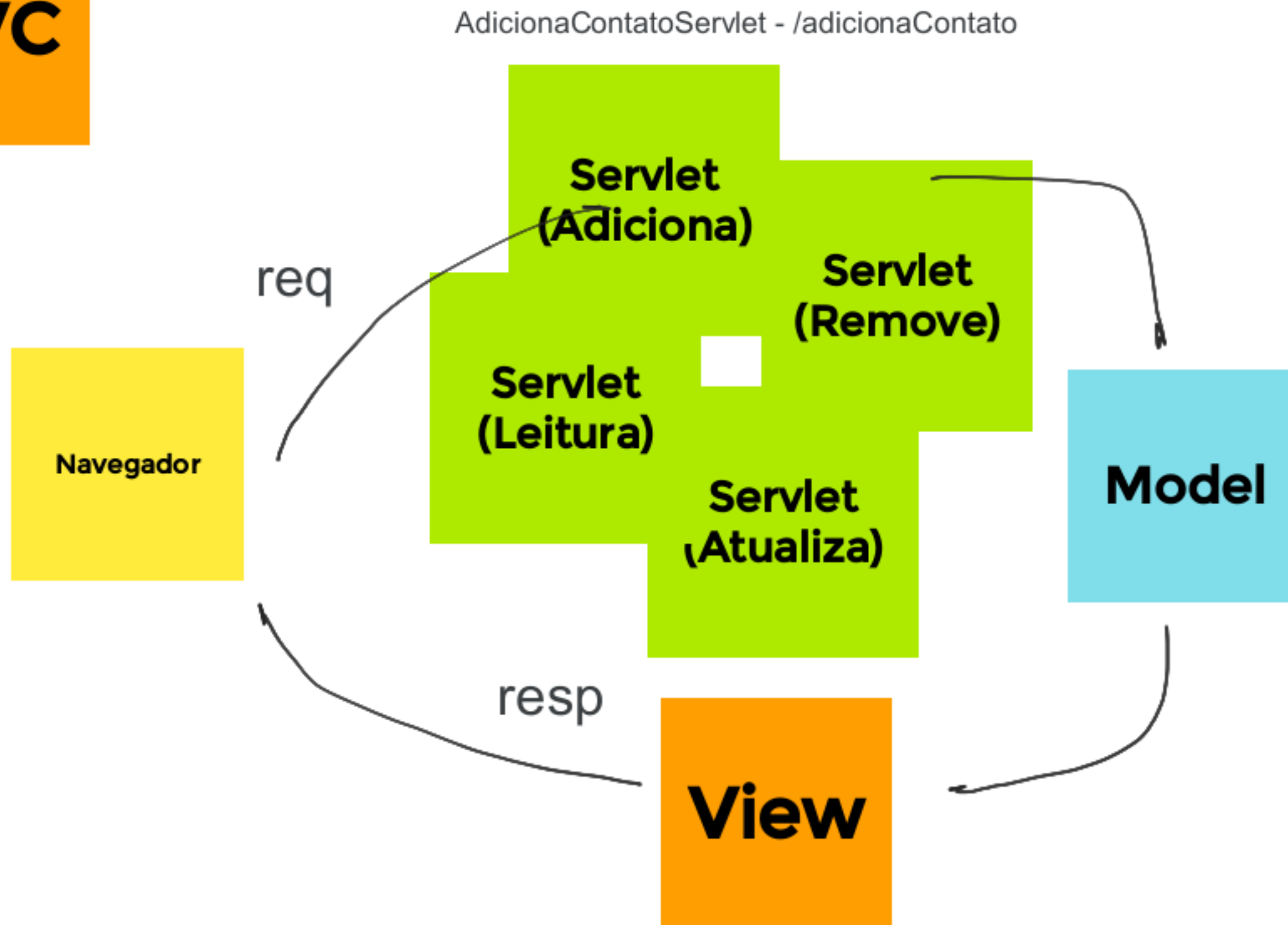


**MVC**

Model  
View  
Controller

# MVC

Hoje



4 classes

Contato

CRUD

Delete

Servlet responsável  
Model (DAO, delete)  
View (receber o ID)

Create  
Read  
Update  
Delete

Contato - 4  
Usuário - 4  
Relatório - 2

Controller

ContatoController

# MVC

## Front Controller

acao=AdicionaContatoLogic  
acao=ListaContatoLogic  
acao=RemoveContatoLogic

/mvc

Controller

GET  
POST  
DELETE

4 classes

Contato

CRUD

Delete

Servlet responsável  
Model (DAO, delete)  
View (receber o ID)

Create  
Read  
Update  
Delete

Contato - 4  
Usuário - 4  
Relatório - 2

Model

Controller

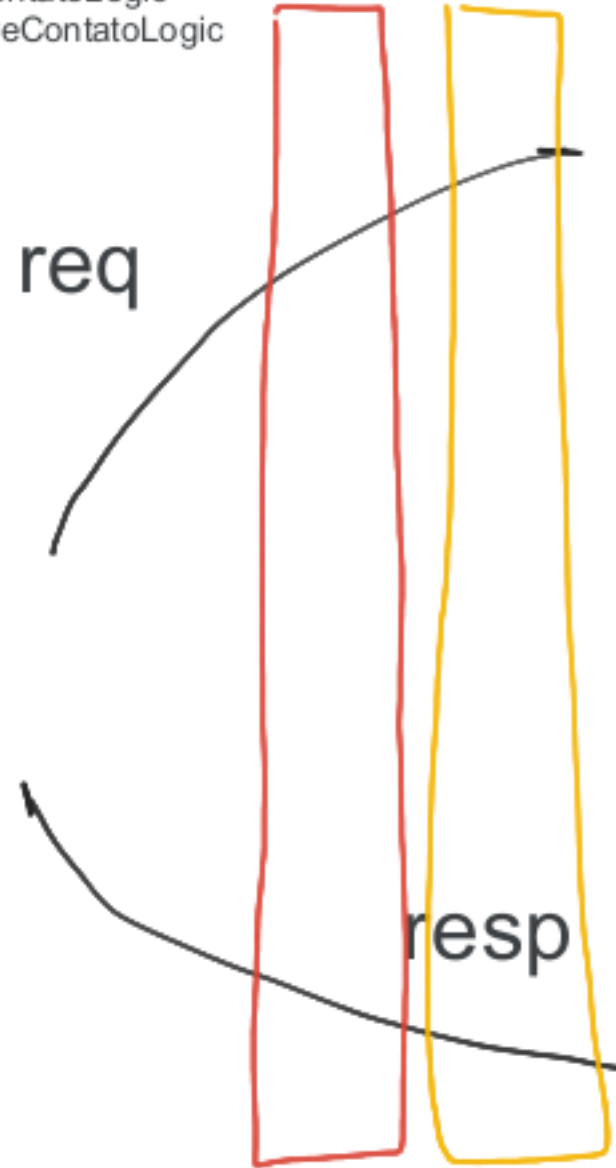
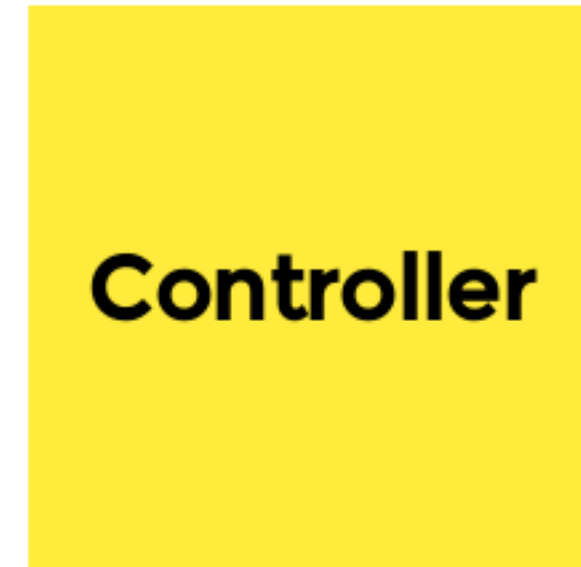
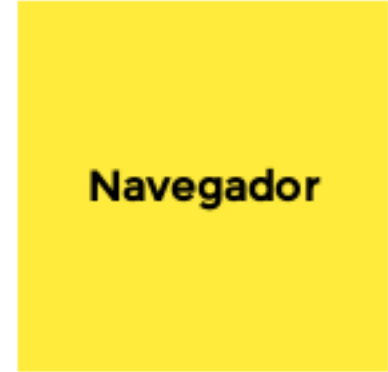
ContatoController

Navegador

req

resp

View



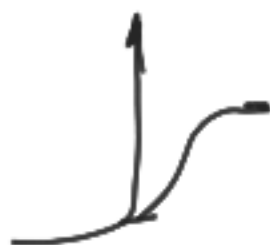
**Login**

**Listar**

**Excluir**

**Atualizar**

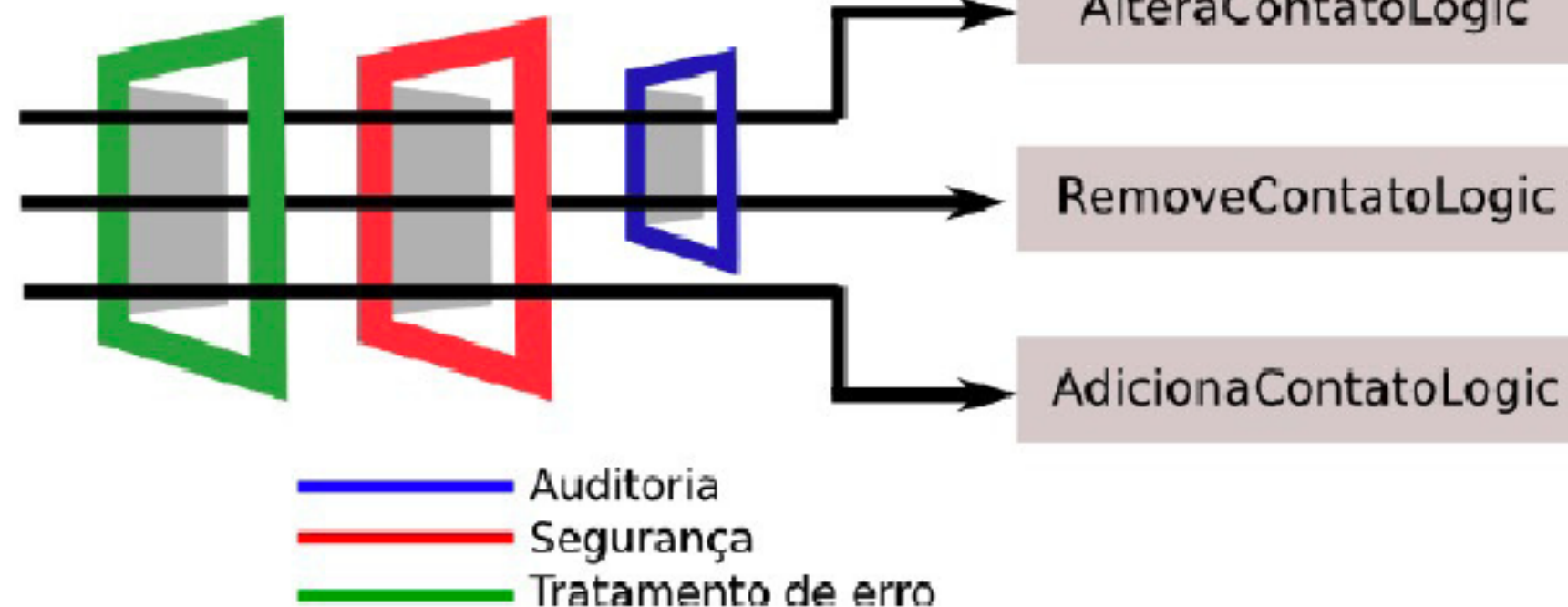
se for usuário pode  
realizar



if ?

```
<filter>
  <filter-name>meuFiltro</filter-name>
  <filter-class>br.com.caelum.filtro.MeuFiltro</filter-class>
</filter>
<filter-mapping>
  <filter-name>meuFiltro</filter-name>
  <url-pattern>/*</url-pattern>
</filter-mapping>
```

Requisições



BeanValidation

Tarefa

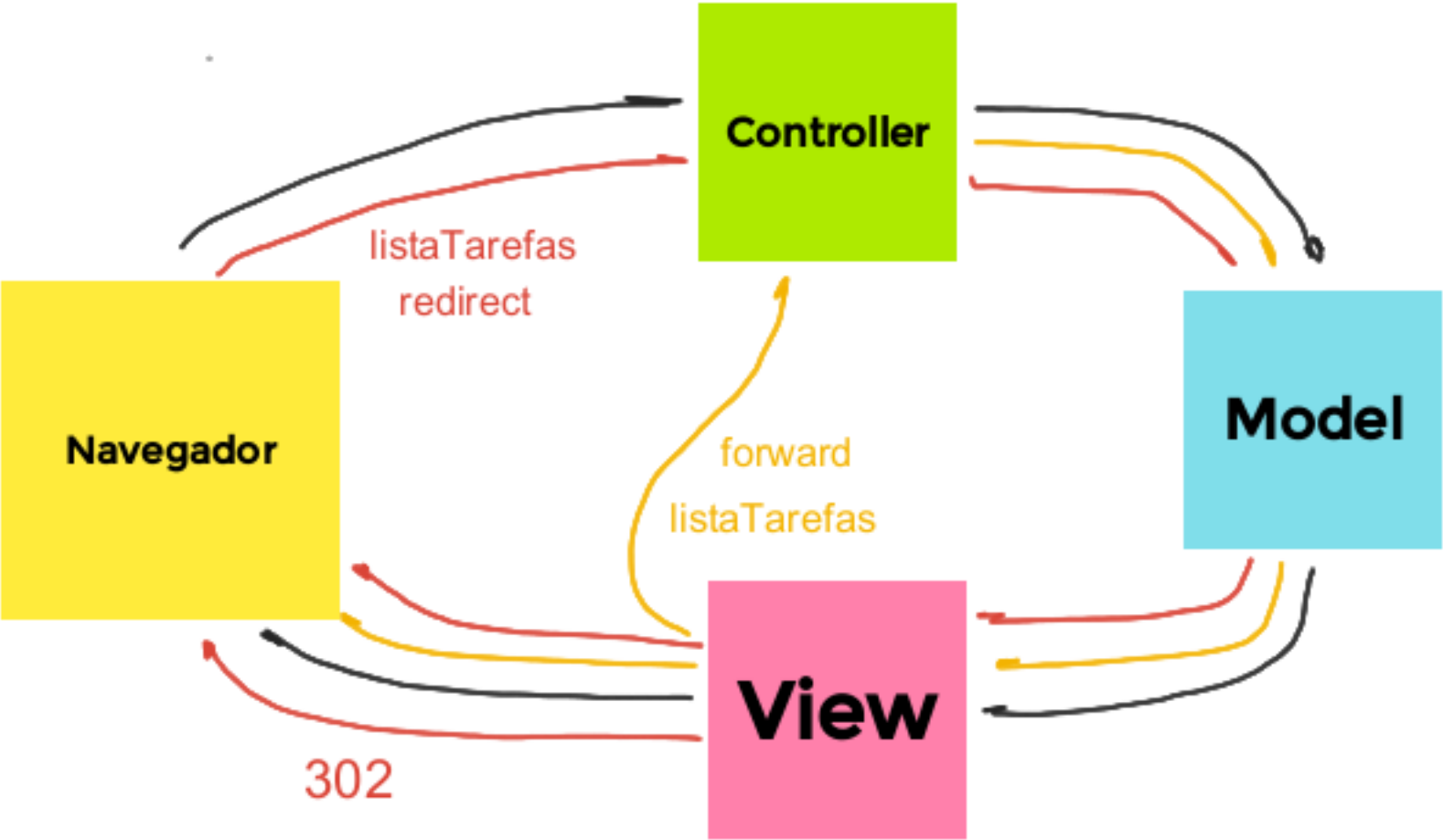
CRUD

4 op. básicas  
Criar - OK  
Ler - OK  
Atualizar  
Excluir - OK

modelo

Tarefa  
(validacoes)

Size



forward

redirect

Name	Status	Type	Initiator	Size	Time	Waterfall
removeTarefa?id=2	200	document	Other	2.9 kB	362 ms	

Name	Status	Type	Initiator	Size	Time	Waterfall
removeTarefa?id=3	302	document	Other	170 B	92 ms	
listaTarefas	200	document	removeTarefa?id=3	2.7 kB	61 ms	

# AJAX

Finalizar sem  
recarregar a tela

jQuery -  
Calendário

**Autenticação  
e Autorização**

Autenticação  
você é você mesmo

Autorização  
se eu posso fazer

usuario  
senha

login (usuario e senha)  
controller  
dao

**Controller**

preHandle

**Navegador**

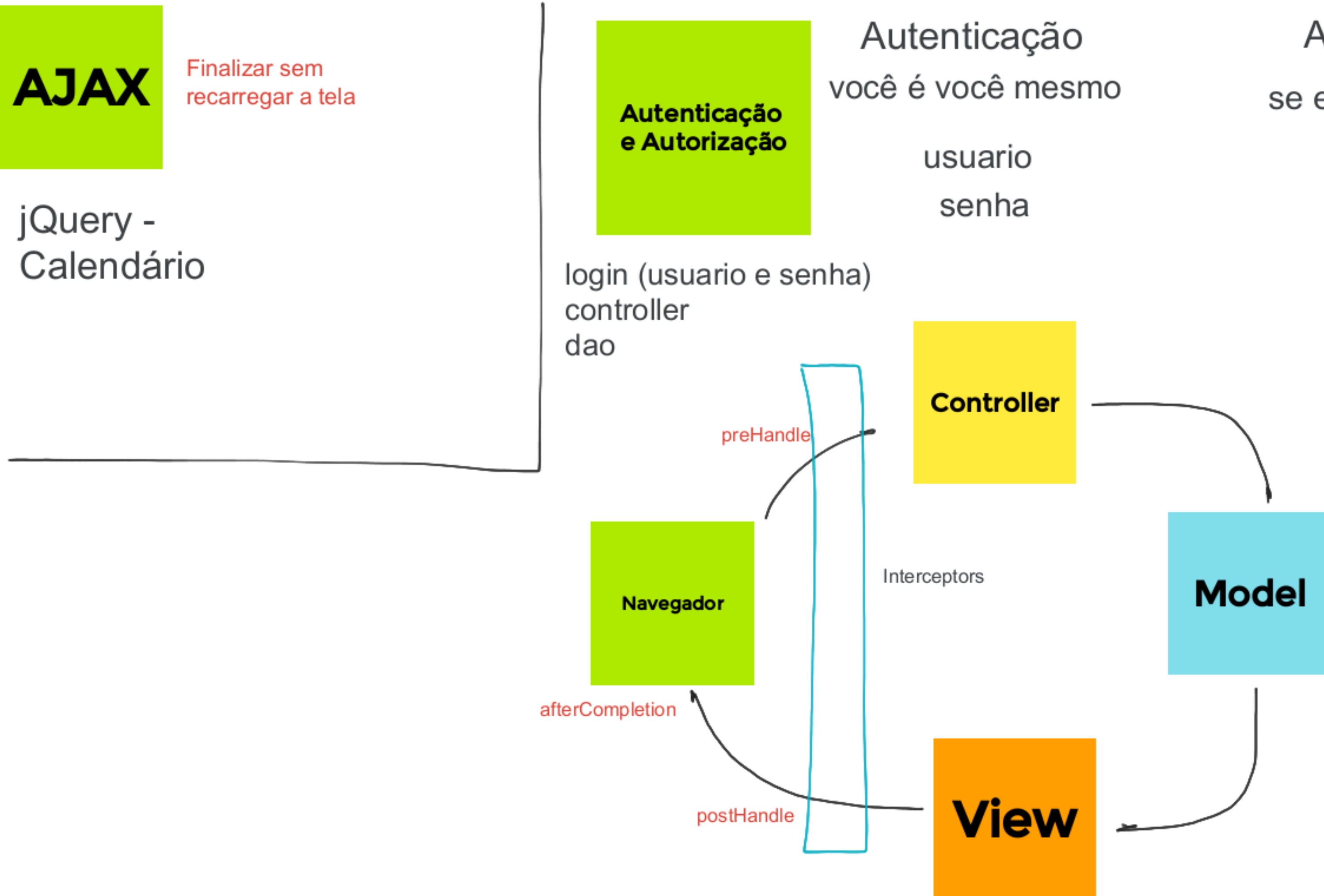
Interceptors

**Model**

afterCompletion

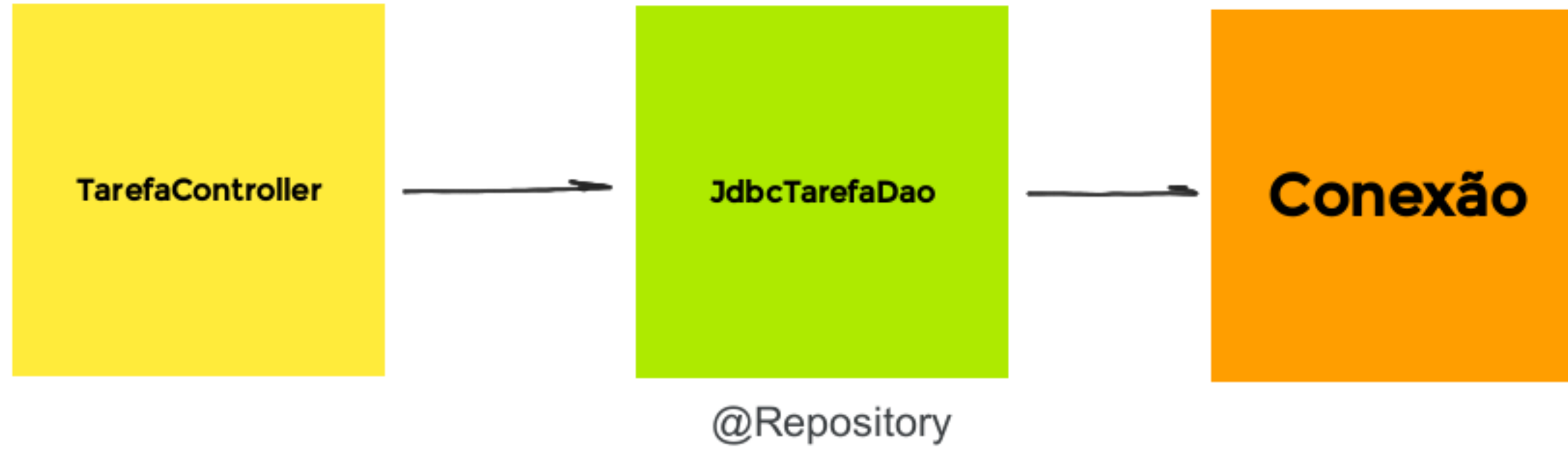
postHandle

**View**



## (DI) Dependency Injection

### Injeção de Dependência



**Tarefas**

export -> fj21-tarefas.war

**Hospedagem**

8080

Linux

MySQL

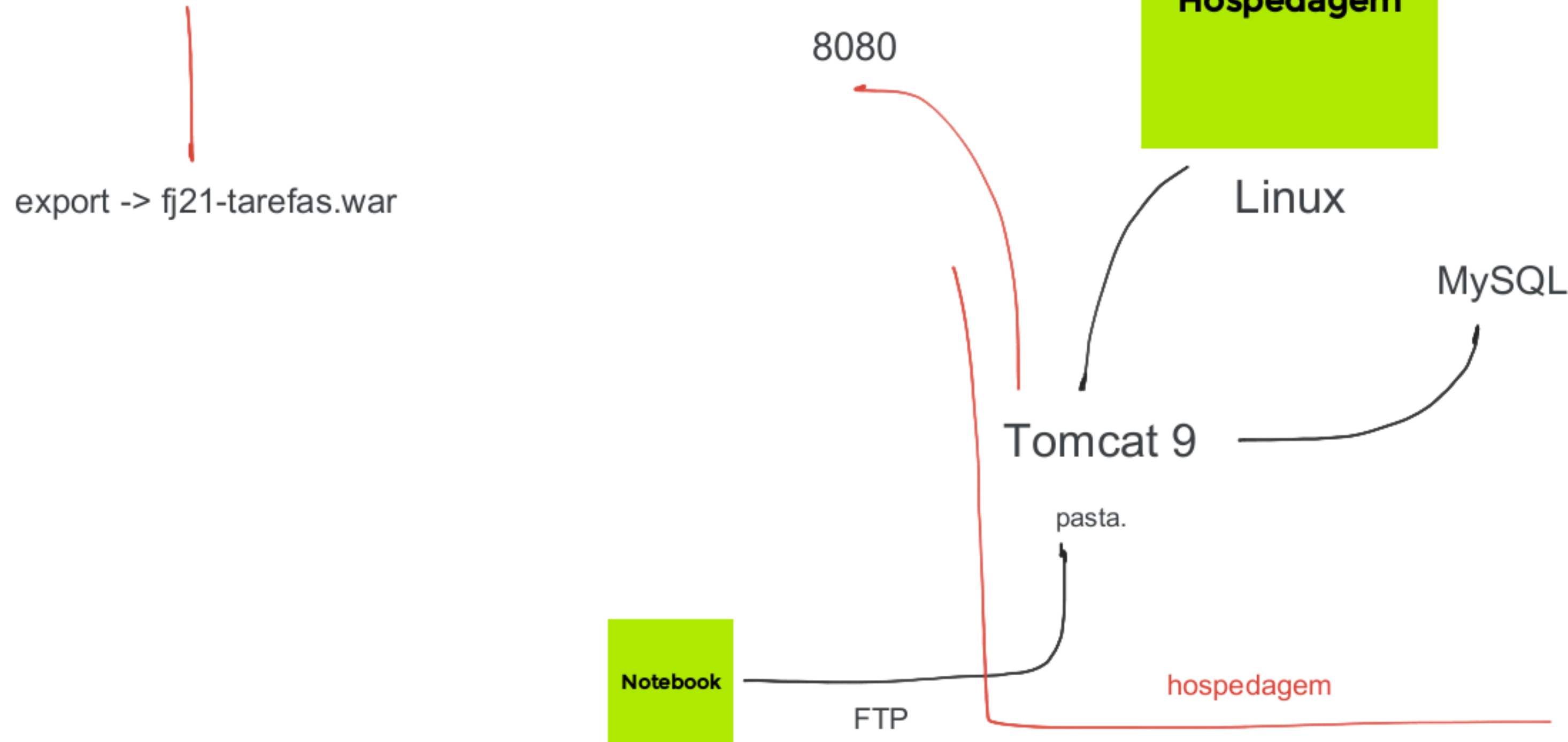
Tomcat 9

pasta.

**Notebook**

FTP

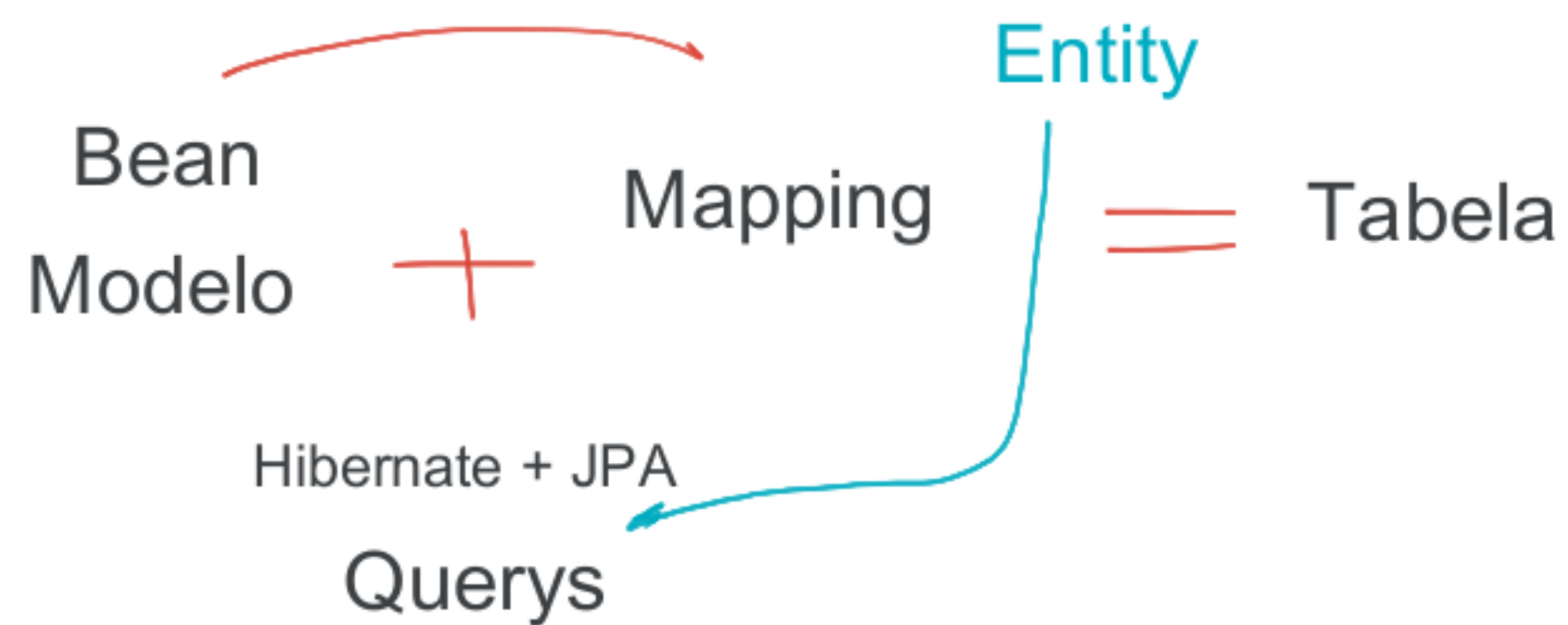
hospedagem





Hibernate

ORM



Conversa  
em sala.

Navegador

React

Load  
Balancer

App  
Service  
(Java)

App  
Service  
(Java)

App  
Service  
(Node)

BD

Angular

Kub

Spring Framework

Spring Cloud

http

20%

