

Servlets

HTTP

HTML

Java

bem-vindo.html

/gerenciador

http://localhost:8080



Java Runtime Environ. (JRE)



request



HTTP



response

bem-vindo.html

/gerenciador

http://localhost:8080

Tomcat



Java Runtime Environ. (JRE)

http://localhost:8080/gerenciador/bem-vindo.html



request

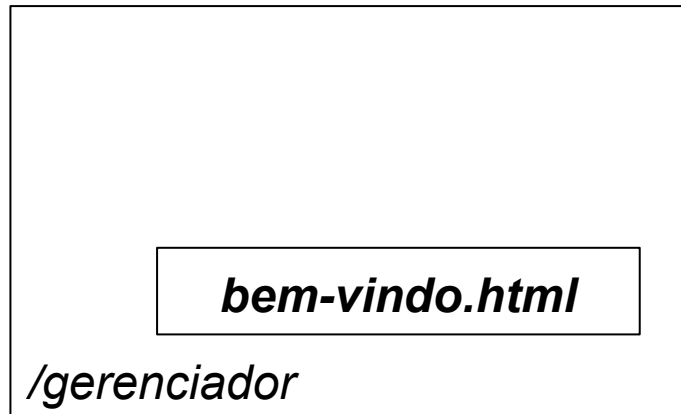


HTTP



response

Bem vindo no curso Servlets da Alura!



http://localhost:8080

Tomcat



Java Runtime Environ. (JRE)

http://localhost:8080/gerenciador/bem-vindo.html



request



HTTP



response

Bem vindo no curso Servlets da Alura!



bem-vindo.html

/gerenciador

http://localhost:8080

Tomcat



Java Runtime Environ. (JRE)

http://localhost:8080/gerenciador/novaEmpresa



request

HTTP POST/GET

response

```
<html>  
<body>  
Empresa Alura cadastrada com sucesso  
</body>  
</html>
```



formNovaEmpresa.html

/gerenciador

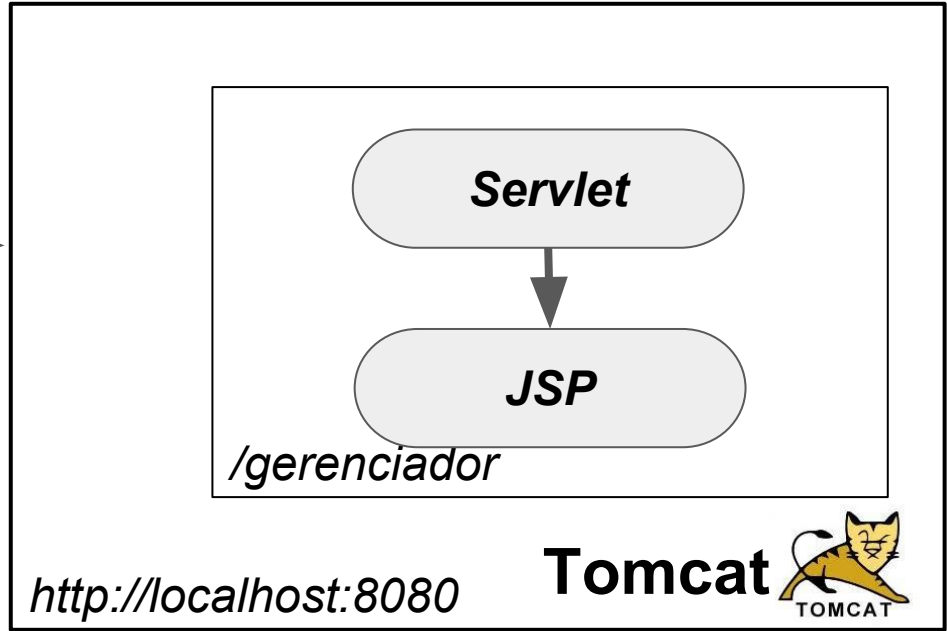
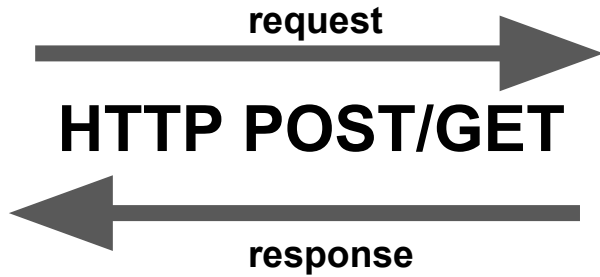
http://localhost:8080

Tomcat



JRE

JSP - Java Server Page



JRE



**HTTP
POST/GET**

request



Servlet



Modelo



Dispatcher

JSP

response



/gerenciador

http://localhost:8080

Tomcat





**HTTP
POST/GET**

request



Servlet



Modelo



Dispatcher

JSP

JSTL + EL

response



/gerenciador

http://localhost:8080

Tomcat



JSTL (Java Standard Tag Library)

core - *controle de fluxo*

fmt - *formatação / i18n (internacionalização)*

sql - executar SQL

xml - gerar XML

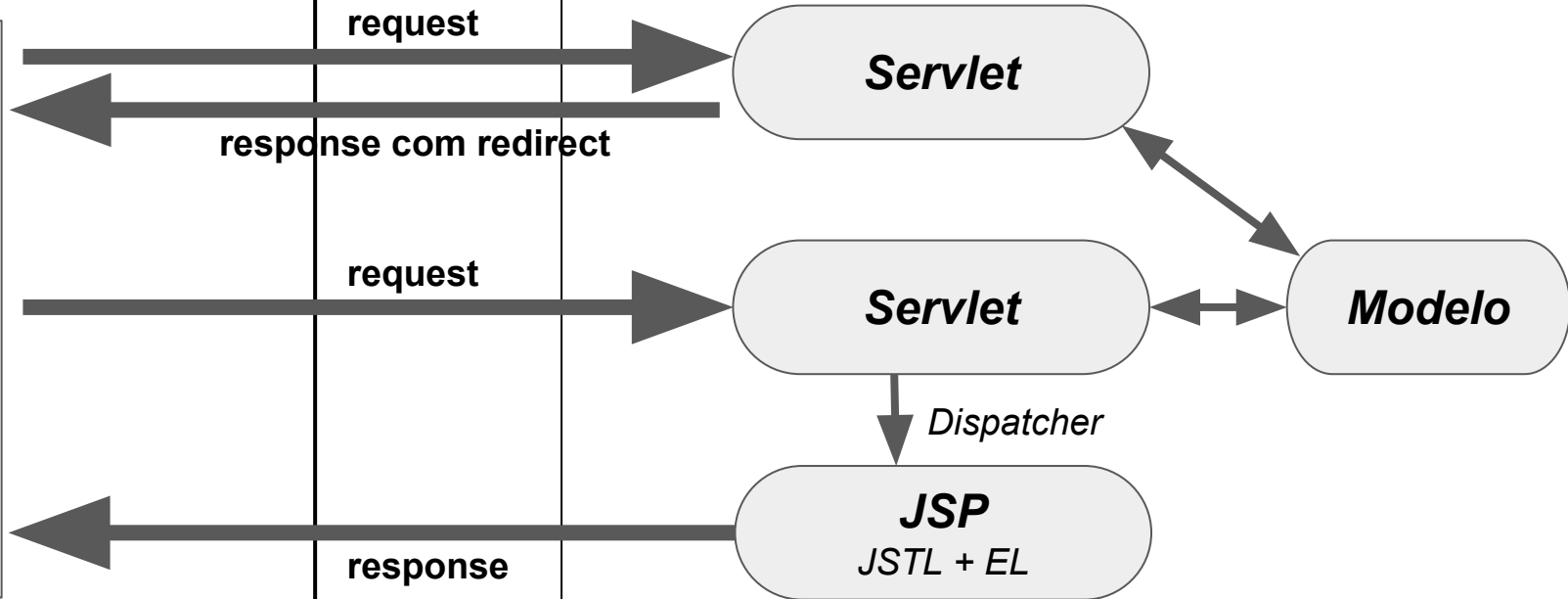
JSTL (Java Standard Tag Library)

core - *controle de fluxo*

```
<%@ taglib uri = "http://java.sun.com/jsp/jstl/core" prefix = "c"%>
```

fmt - *formatação / i18n (internacionalização)*

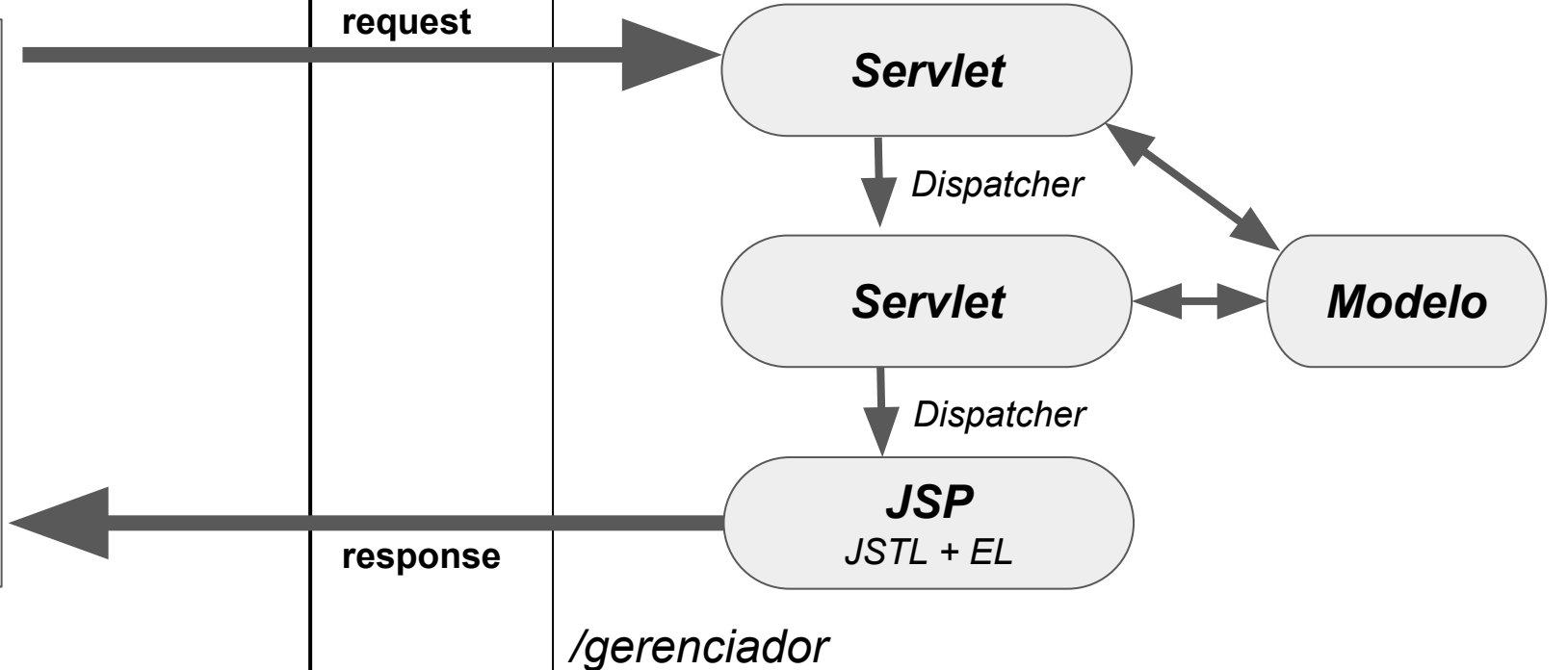
```
<%@ taglib uri = "http://java.sun.com/jsp/jstl/fmt" prefix = "fmt"%>
```



<http://localhost:8080>

Tomcat





http://localhost:8080

Tomcat



CRUD

Create - *criação do registro / objeto*

Read - *leitura de registro(s), objeto(s)*

Update - atualizar registro / objeto

Delete - remover registro / objeto



/novaEmpresa

/listaEmpresas

/alterarEmpresa

/removeEmpresa

NovaEmpresaServlet

ListaEmpresasSer.

AlterarEmpresasSer.

RemoveEmpresaSer.

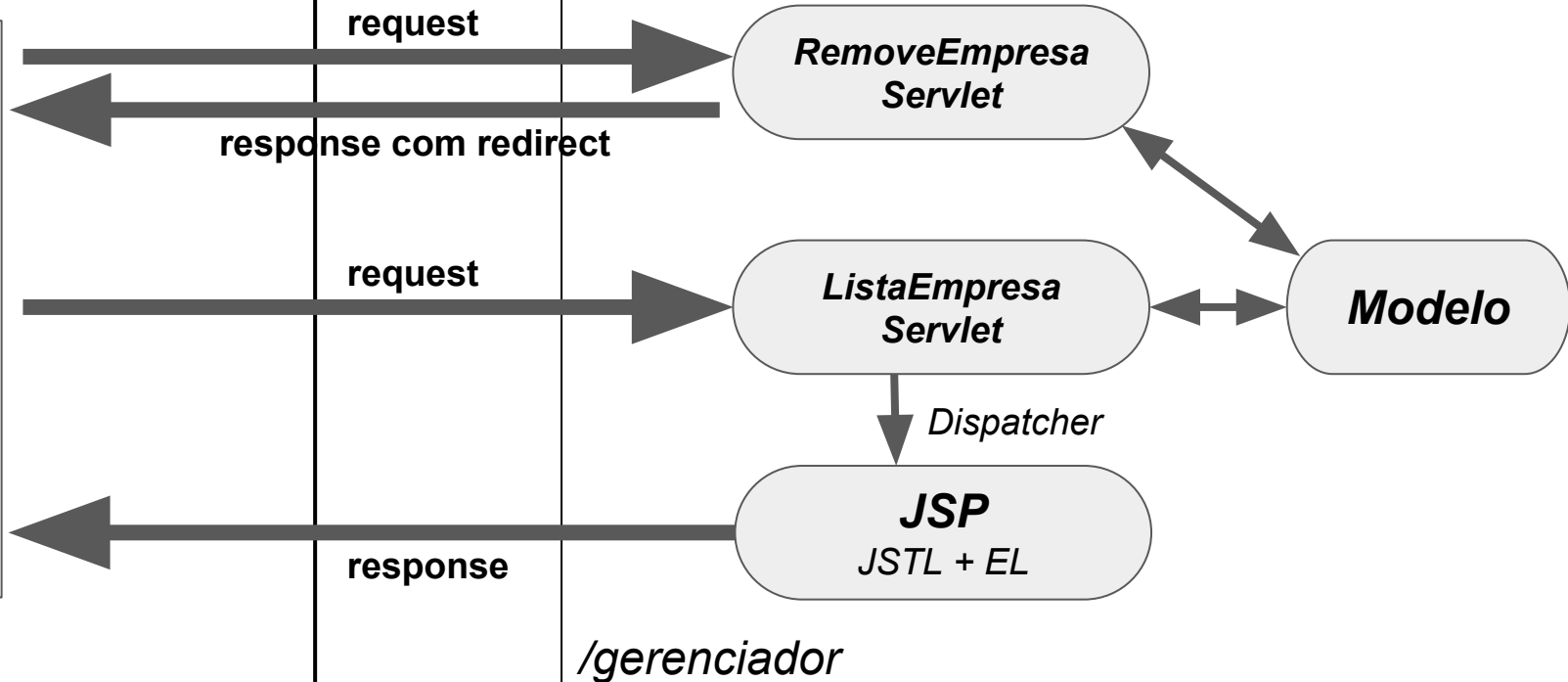
Modelo

/gerenciador

http://localhost:8080

Tomcat

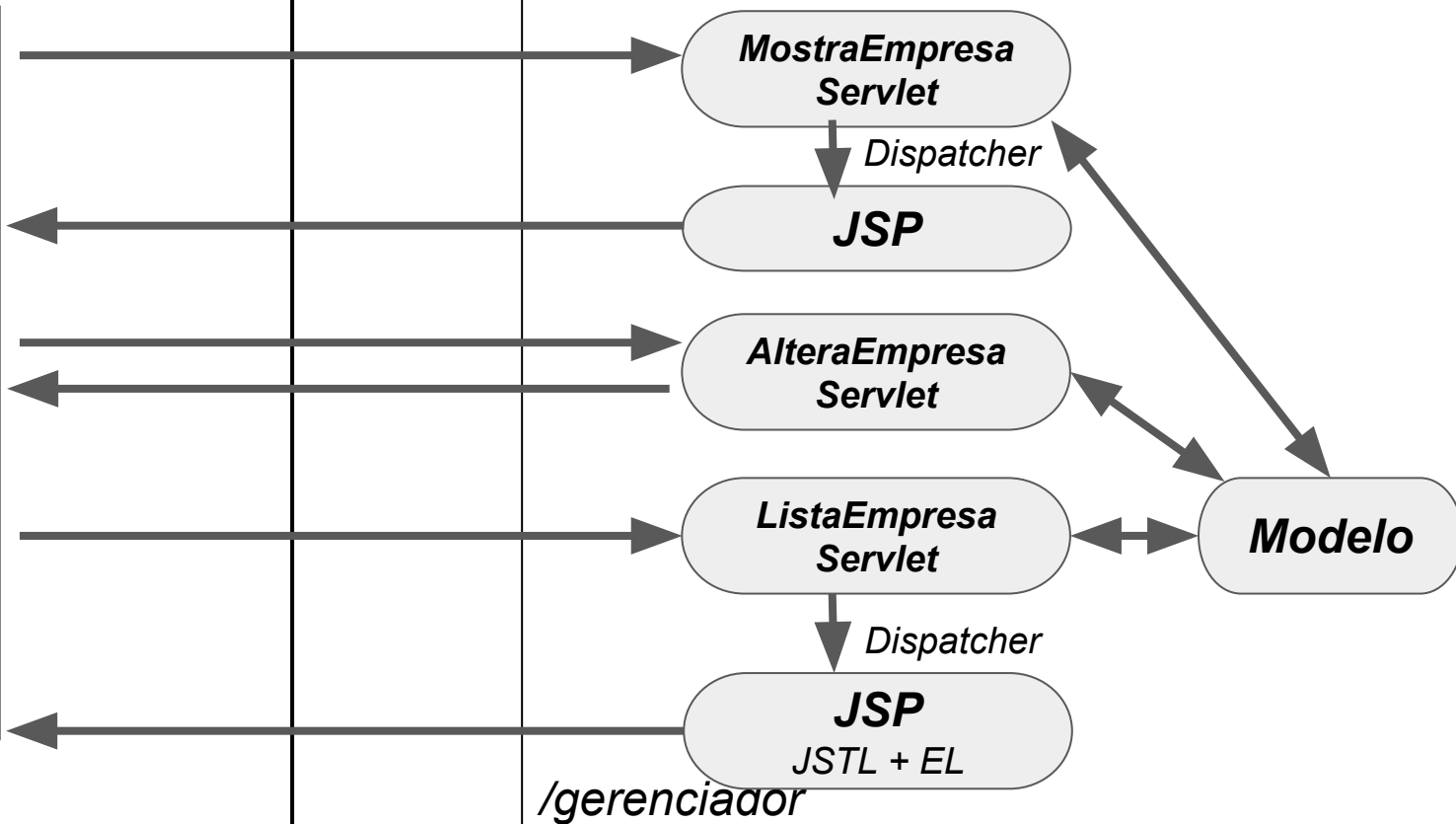




<http://localhost:8080>

Tomcat





`http://localhost:8080`

Tomcat





HTML

HTTP

Servlet

Modelo

Dispatcher

JSP

JSTL + EL

/gerenciador



Tomcat

http://localhost:8080



HTML
CSS
JS

HTTP

Spring MVC

Servlet

Modelo

Banco

SQL

Dispatcher

JSP

JSTL + EL

*JDBC
JPA*

/gerenciador

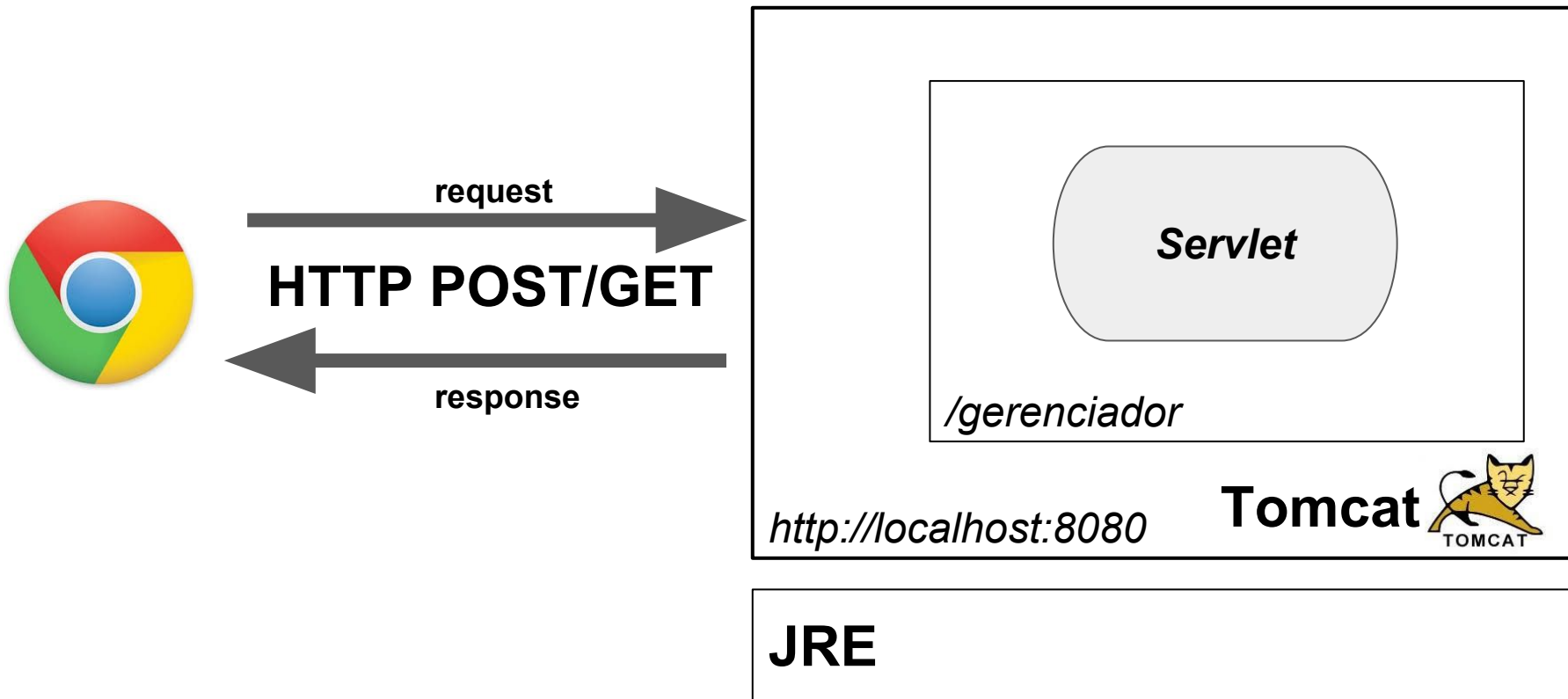
http://localhost:8080



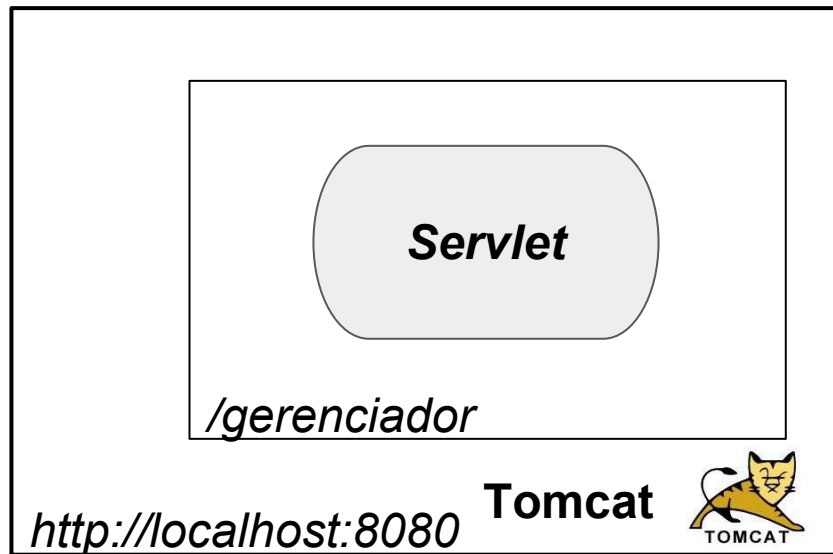
Tomcat



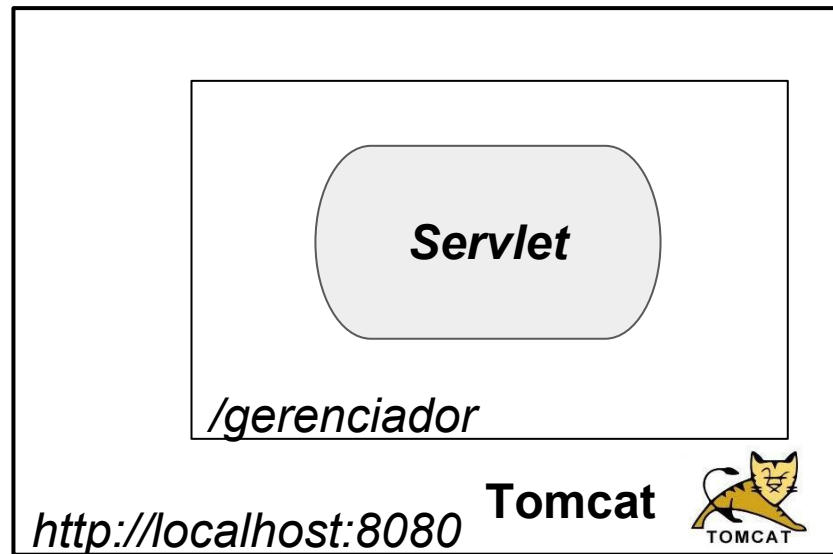
Inversao de controle -> IOC



Deploy WAR - Web ARchive



DESENVOLVIMENTO



PRODUCAO



HTML

HTTP

Servlet

Modelo

Dispatcher

JSP

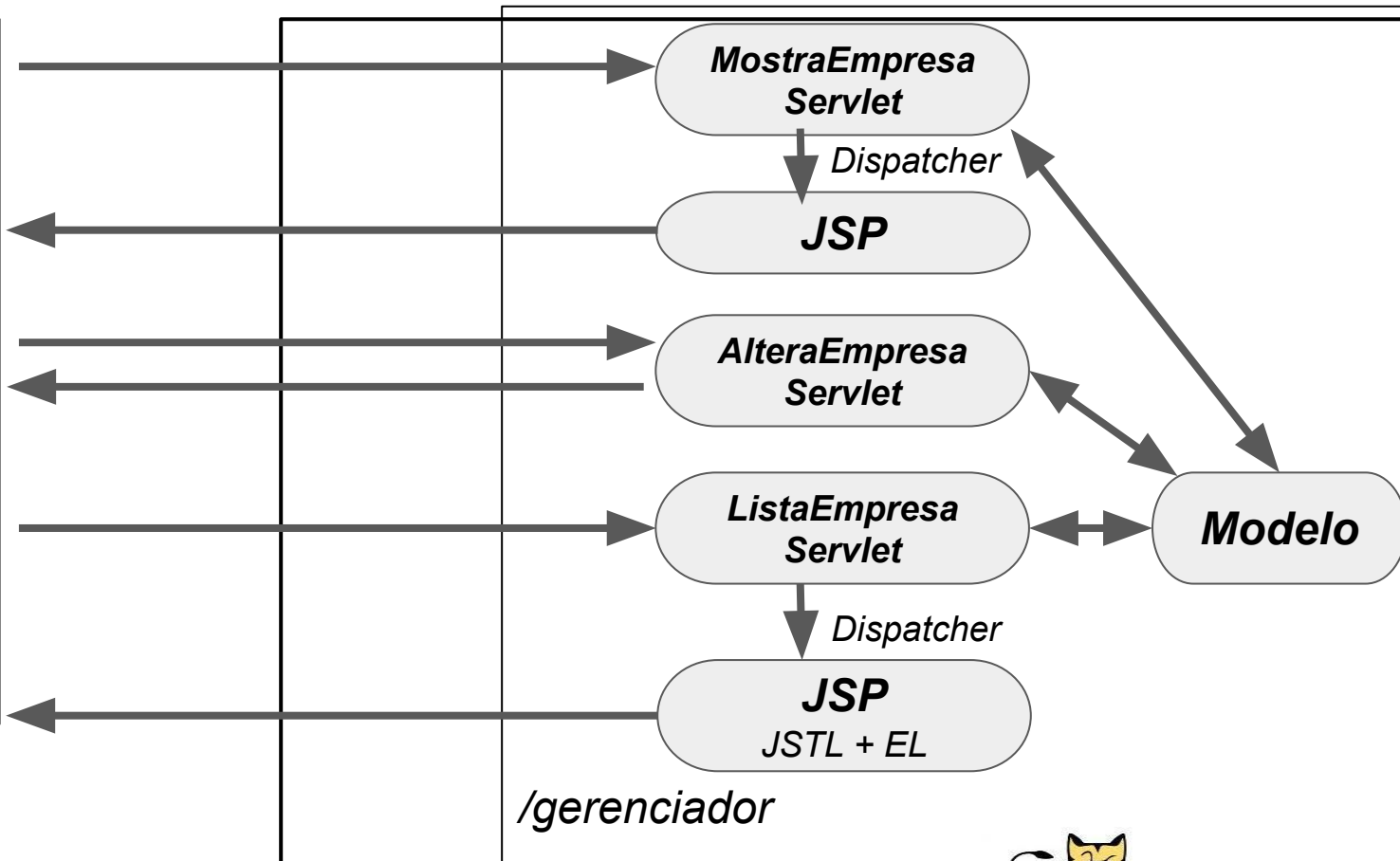
JSTL + EL

/gerenciador

http://localhost:8080



Tomcat



<http://localhost:8080>

Tomcat





/entrada?acao=ListaEmpresas

/entrada?acao=MostraEmpresa

/entrada?acao=RemoveEmpresa

/gerenciador

UnicaEntradaServlet

Modelo

http://localhost:8080

Tomcat





/entrada?acao=ListaEmpresas

/entrada?acao=MostraEmpresa

/entrada?acao=RemoveEmpresa

/gerenciador

UnicaEntradaServlet

Modelo

http://localhost:8080

Tomcat





HTML

Login

ListaEmpresa

OutraAcao..

Login feito!



/gerenciador

http://localhost:8080

Tomcat



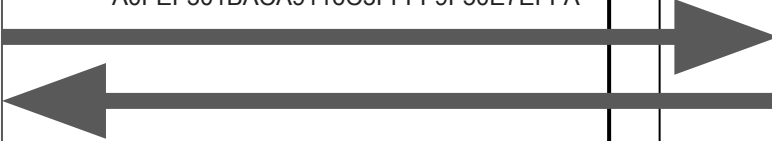
HTML

A0FEF301BACA9116C3FFFF9F50E7E7FFA



Login

A0FEF301BACA9116C3FFFF9F50E7E7FFA



ListaEmpresa

A0FEF301BACA9116C3FFFF9F50E7E7FFA



OutraAcao..

A0FEF301BACA9116C3FFFF9F50E7

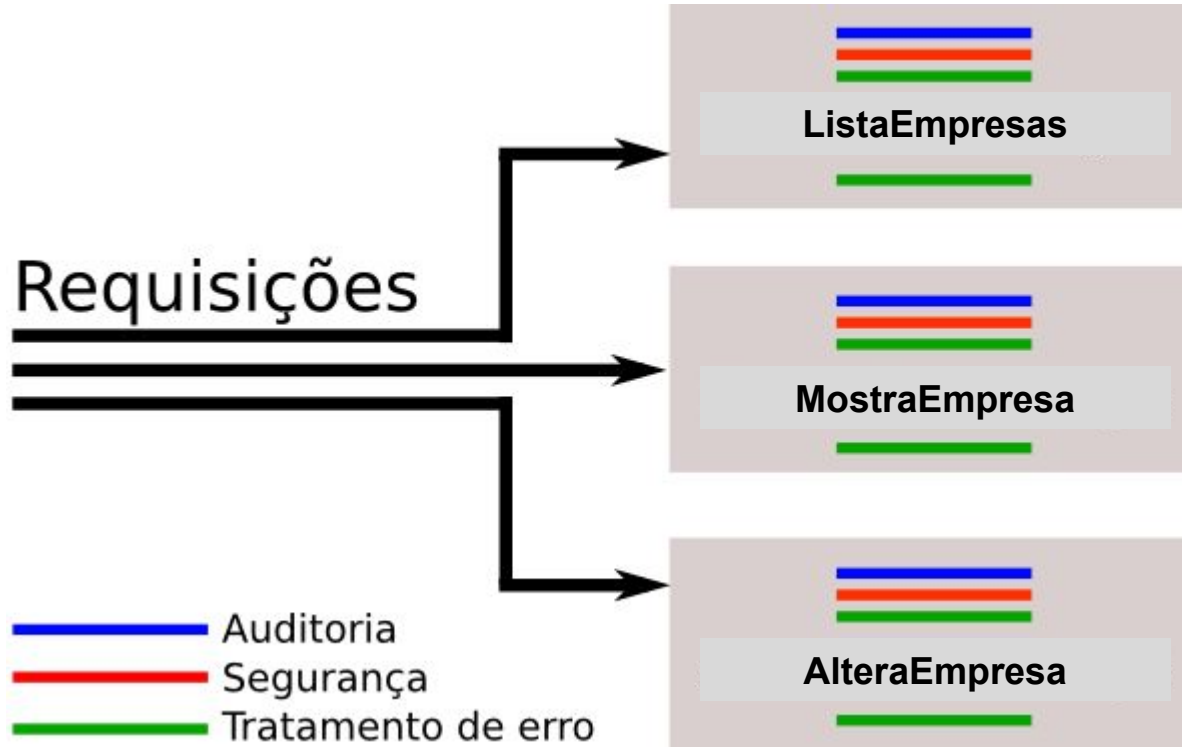
Login feito!



/gerenciador

http://localhost:8080

Tomcat





HTTP



http://localhost:8080

Tomcat



HTML

HTTP

FILTER

Controller

/entrada
servlet

LE

AE

RE

ME

NE

Modelo

Modelo

View

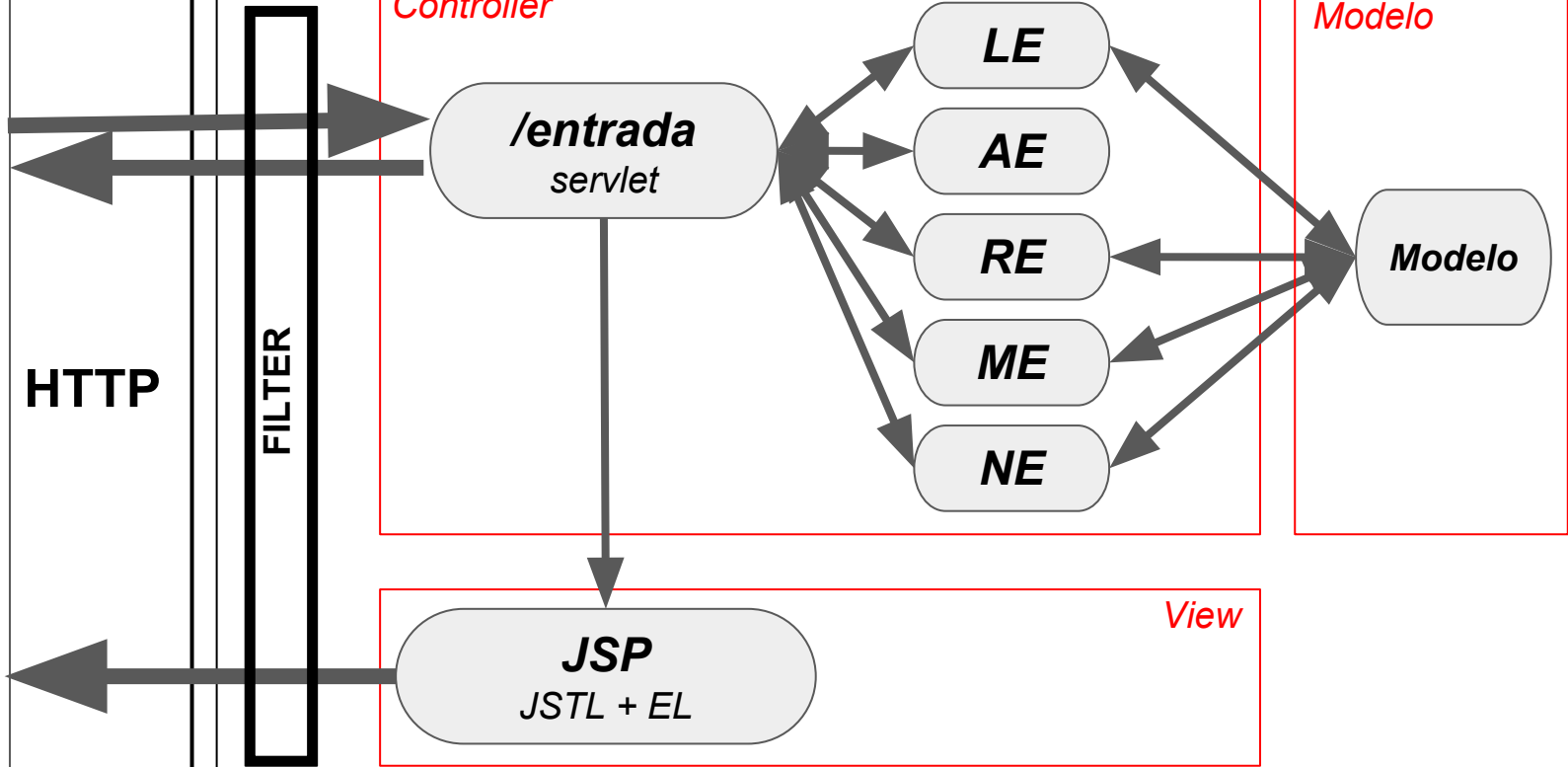
JSP

JSTL + EL

/gerenciador

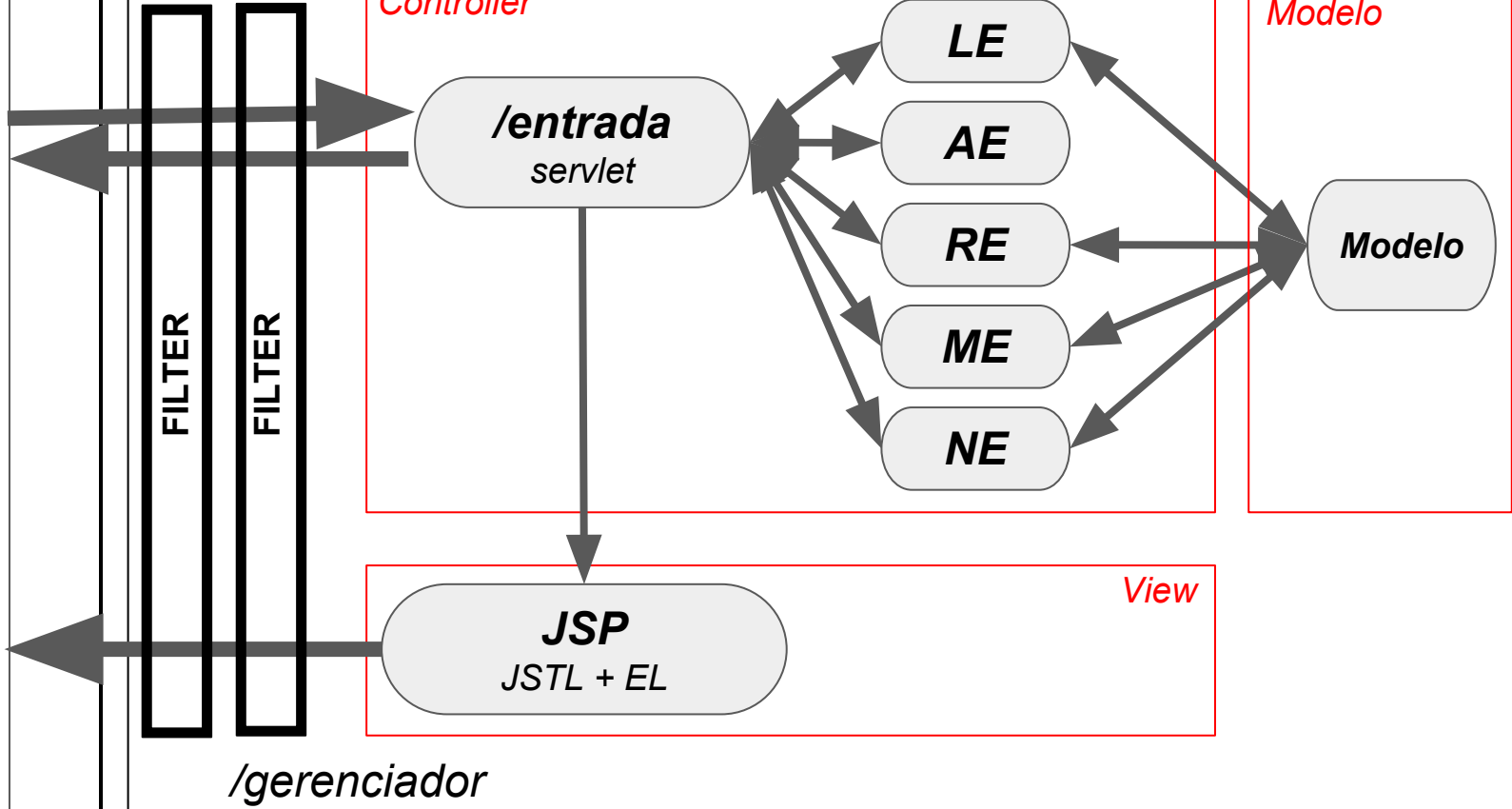
http://localhost:8080

Tomcat





HTML



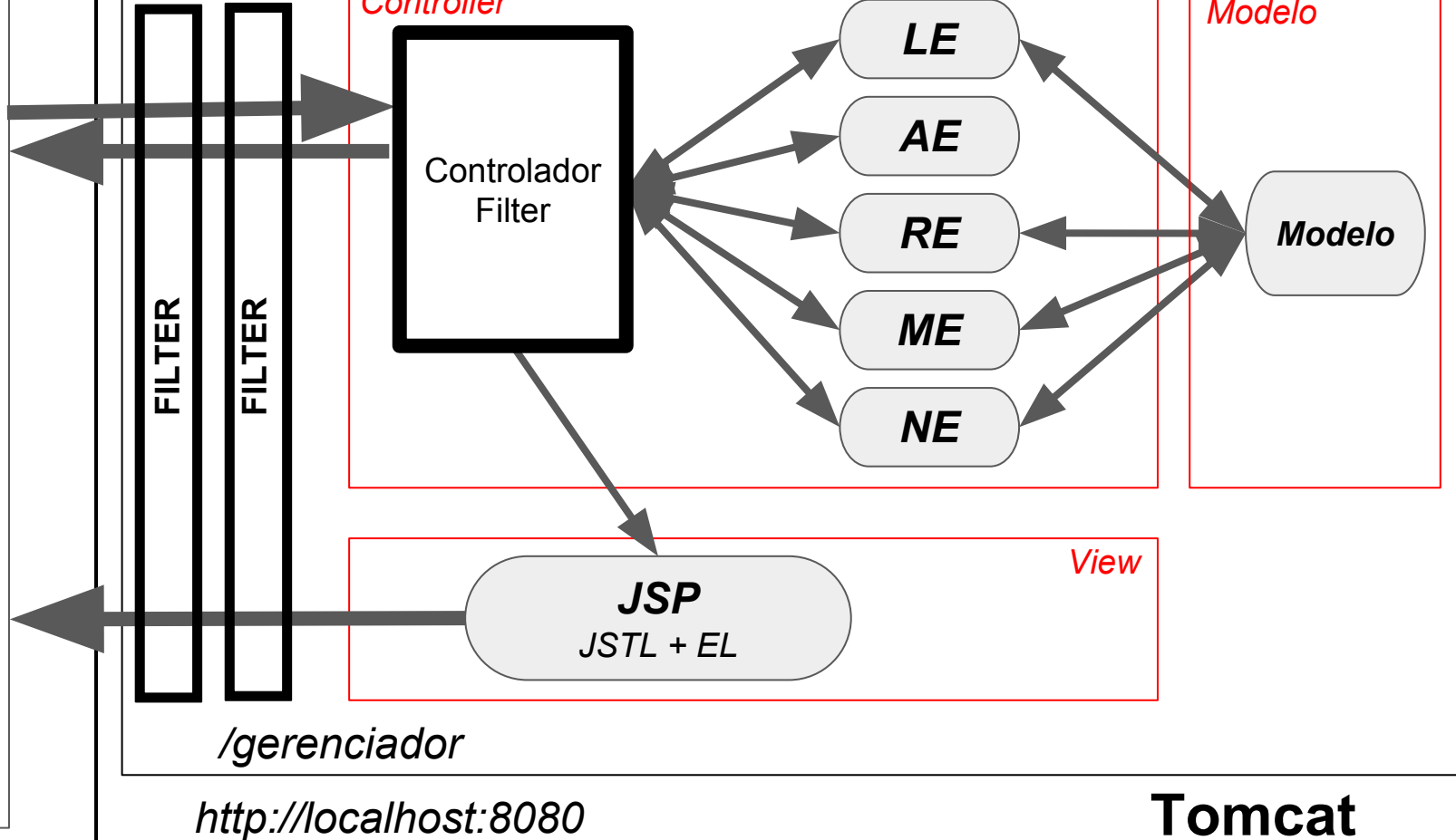
/gerenciador

http://localhost:8080

Tomcat

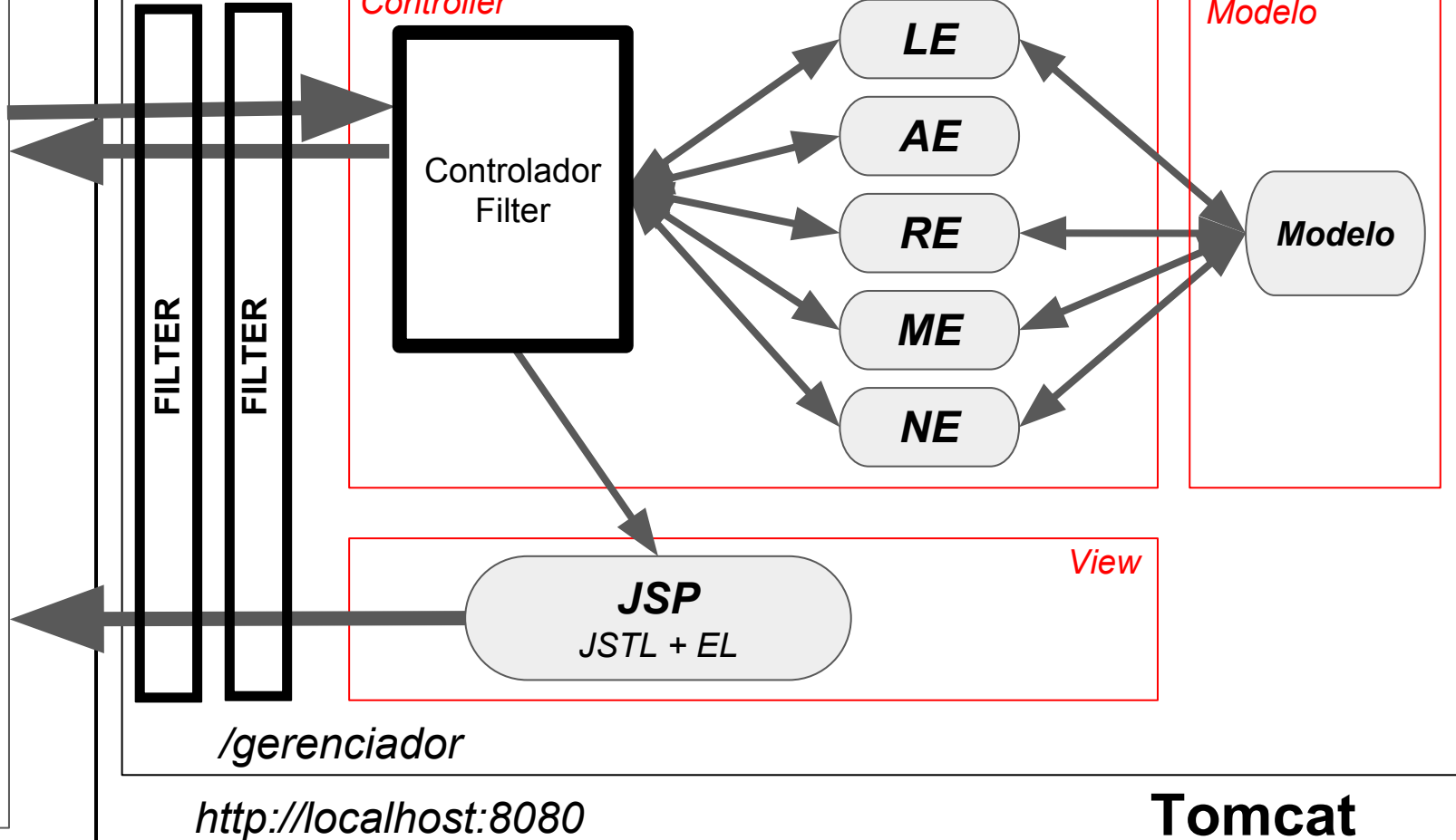


HTML





HTML





HTML



ListaEmpresa

/gerenciador

http://localhost:8080

Tomcat



Angular

HTML???

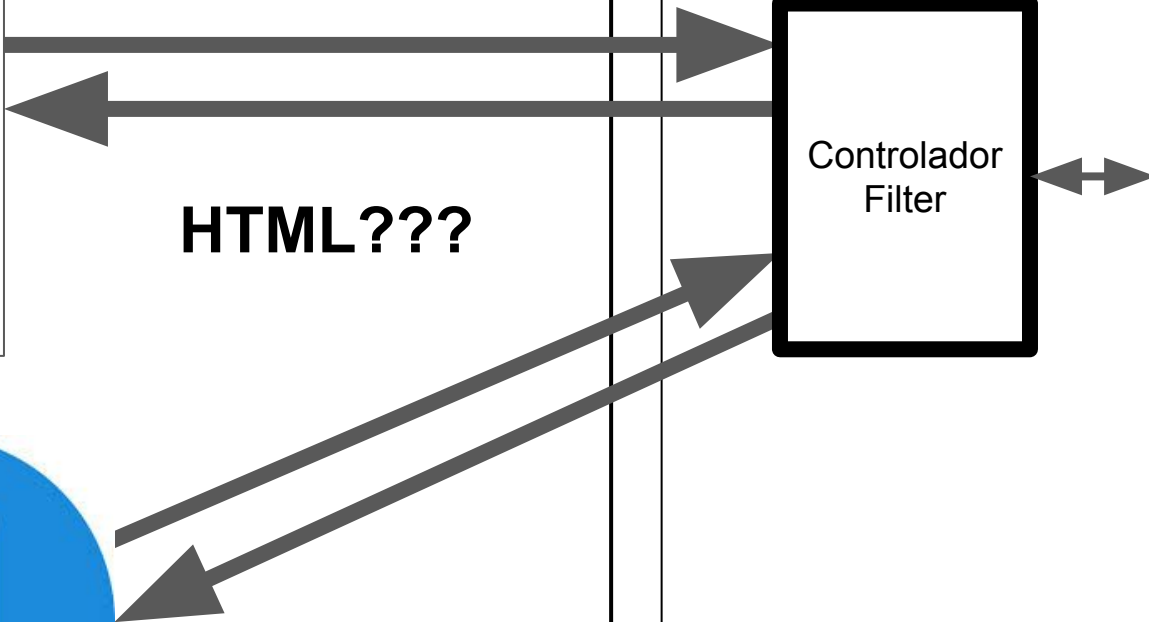
Controlador
Filter

ListaEmpresa

/gerenciador

http://localhost:8080

Tomcat





Angular

HTTP
JSON / XML

Controlador
Filter

ListaEmpresa

/gerenciador

http://localhost:8080

Tomcat

Servidores

Tomcat

Jetty

*Servlet Container
ou
Servlet Engine*

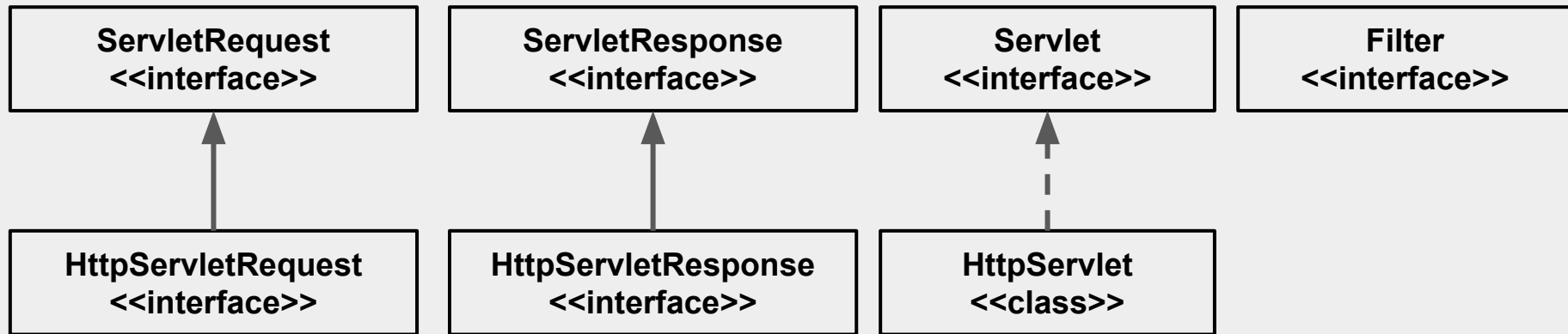
Wildfly

Weblogic

Websphere

*Application
Server*

Especificação Servlet

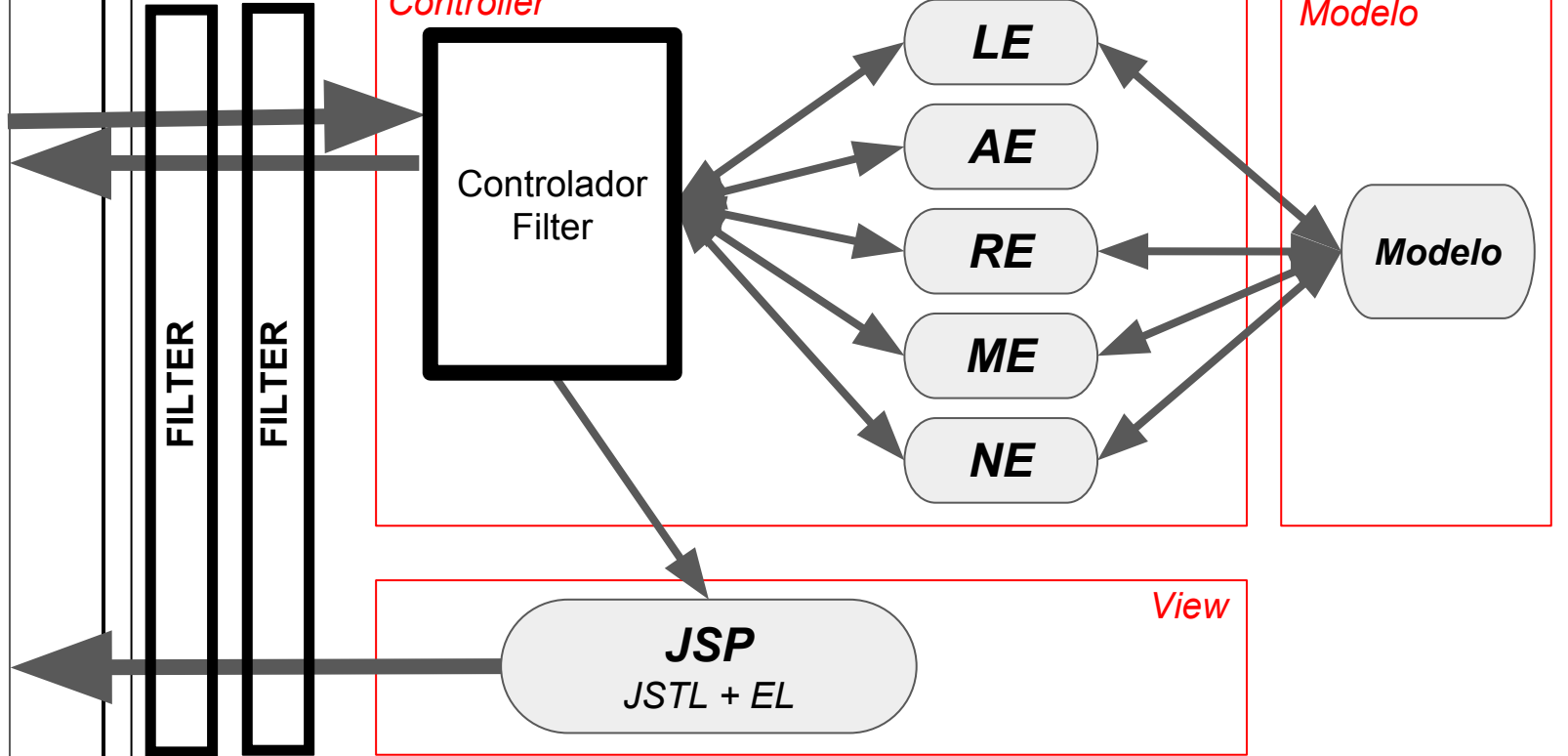


Servlet Container
Tomcat

Servlet Container
Jetty



HTML



/gerenciador

http://localhost:8080

Tomcat / Jetty