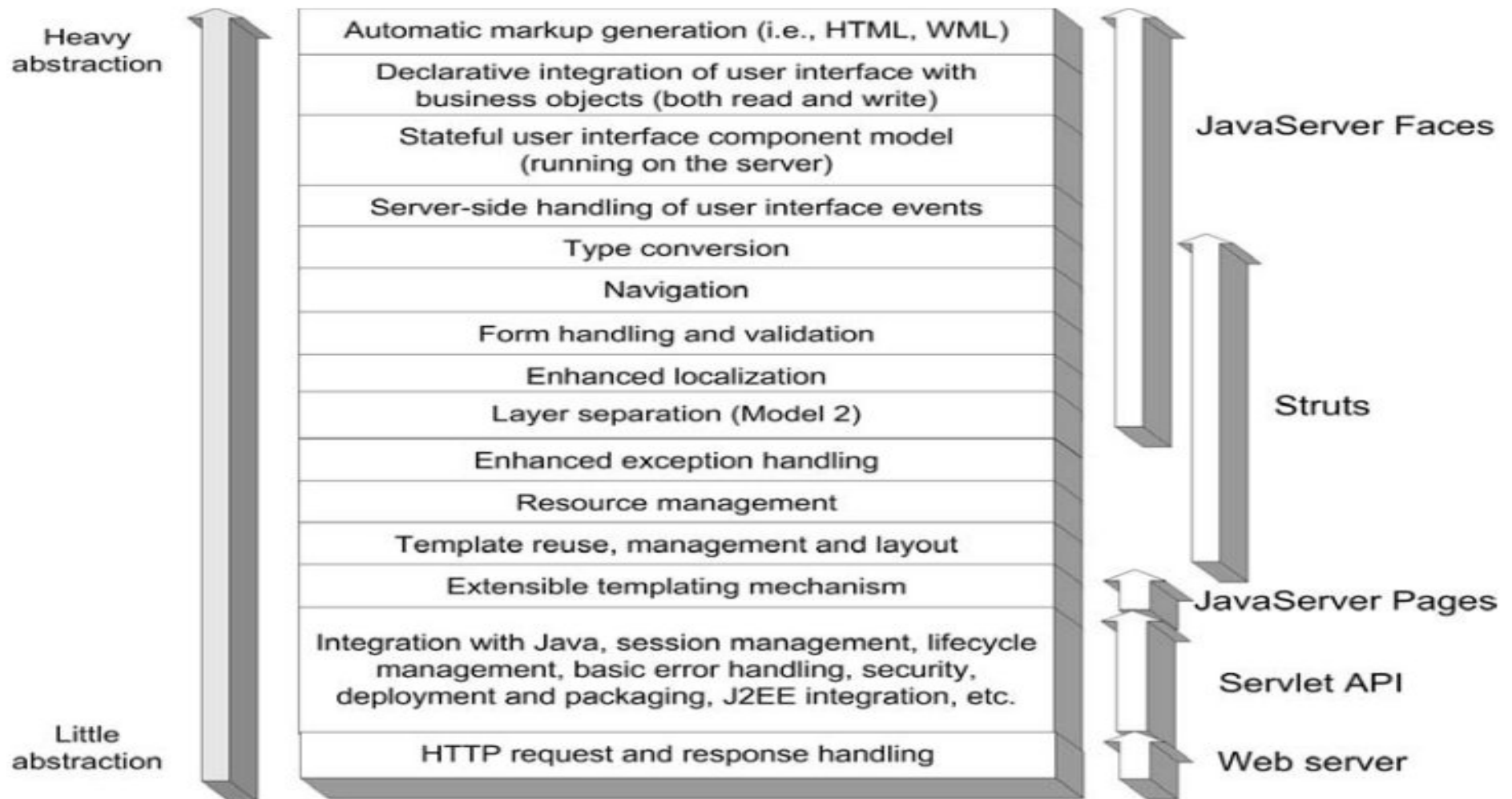


Curso Desenvolvedor Java

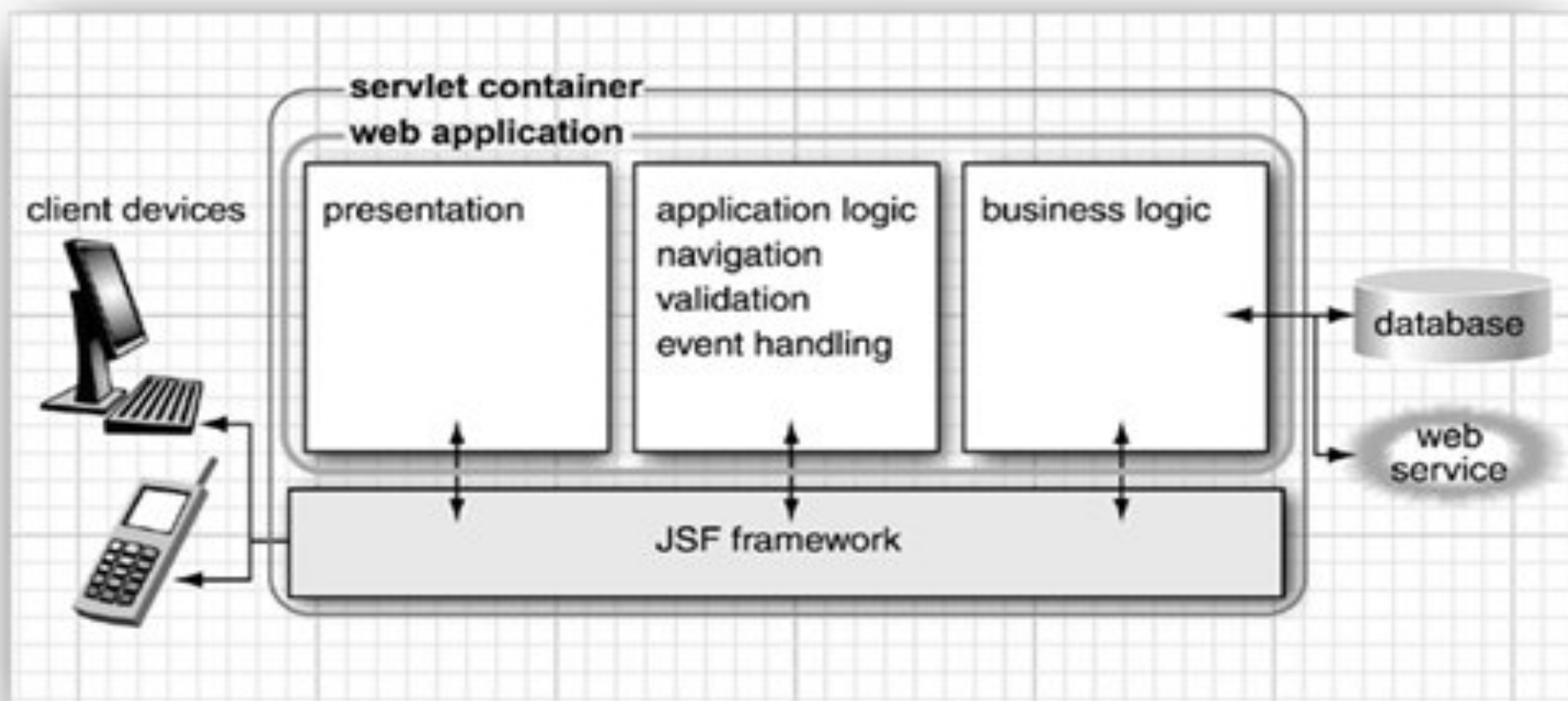


JFS

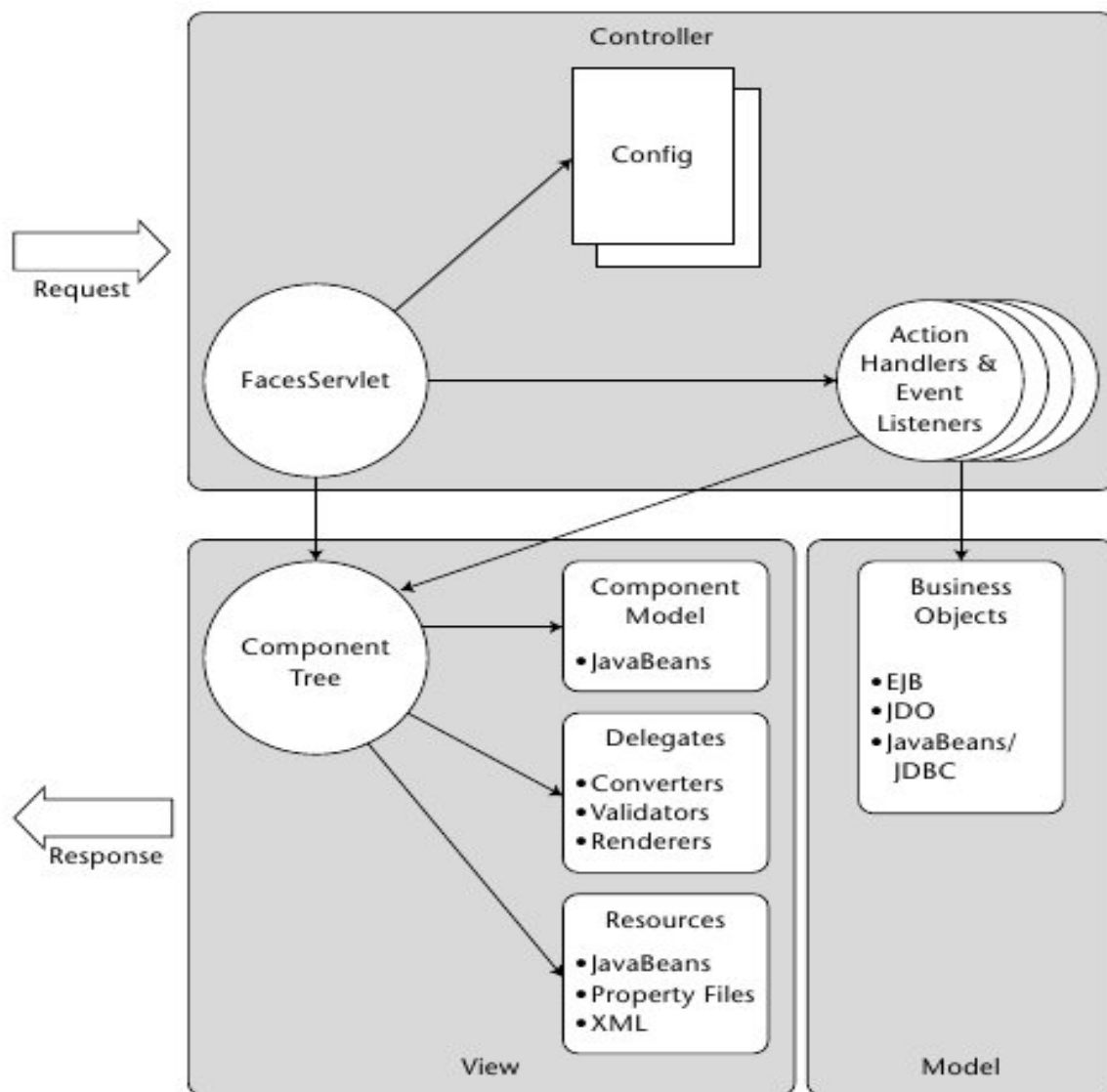
Infraestruturas Web



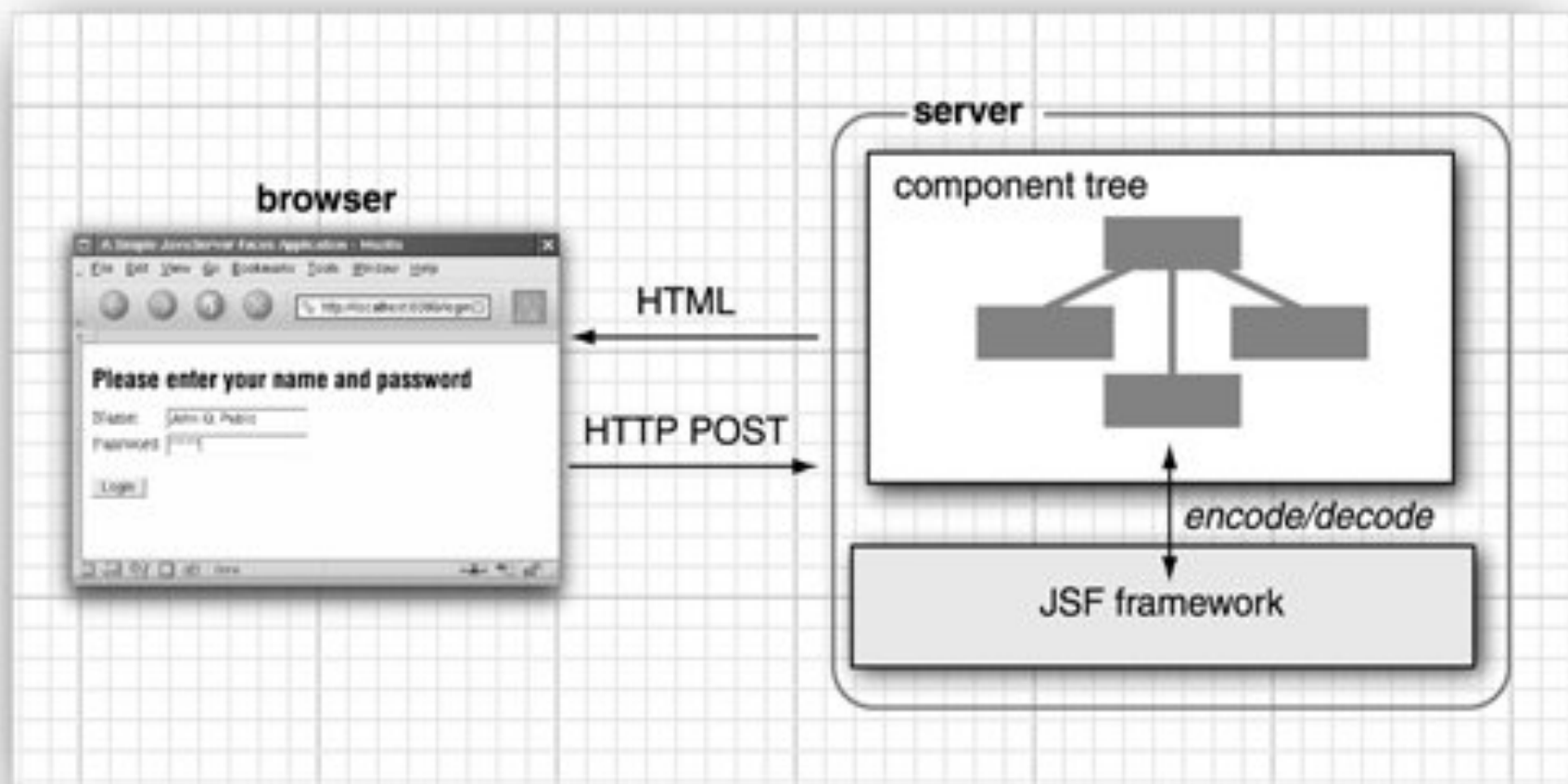
Visão Geral do JSF



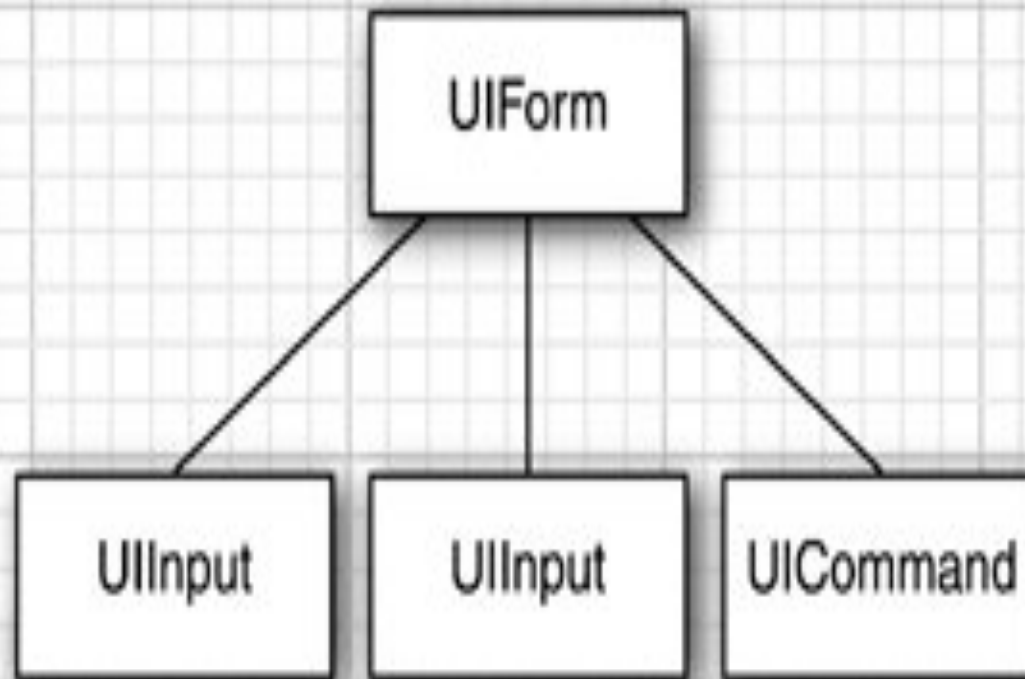
JSF Model-View-Controller



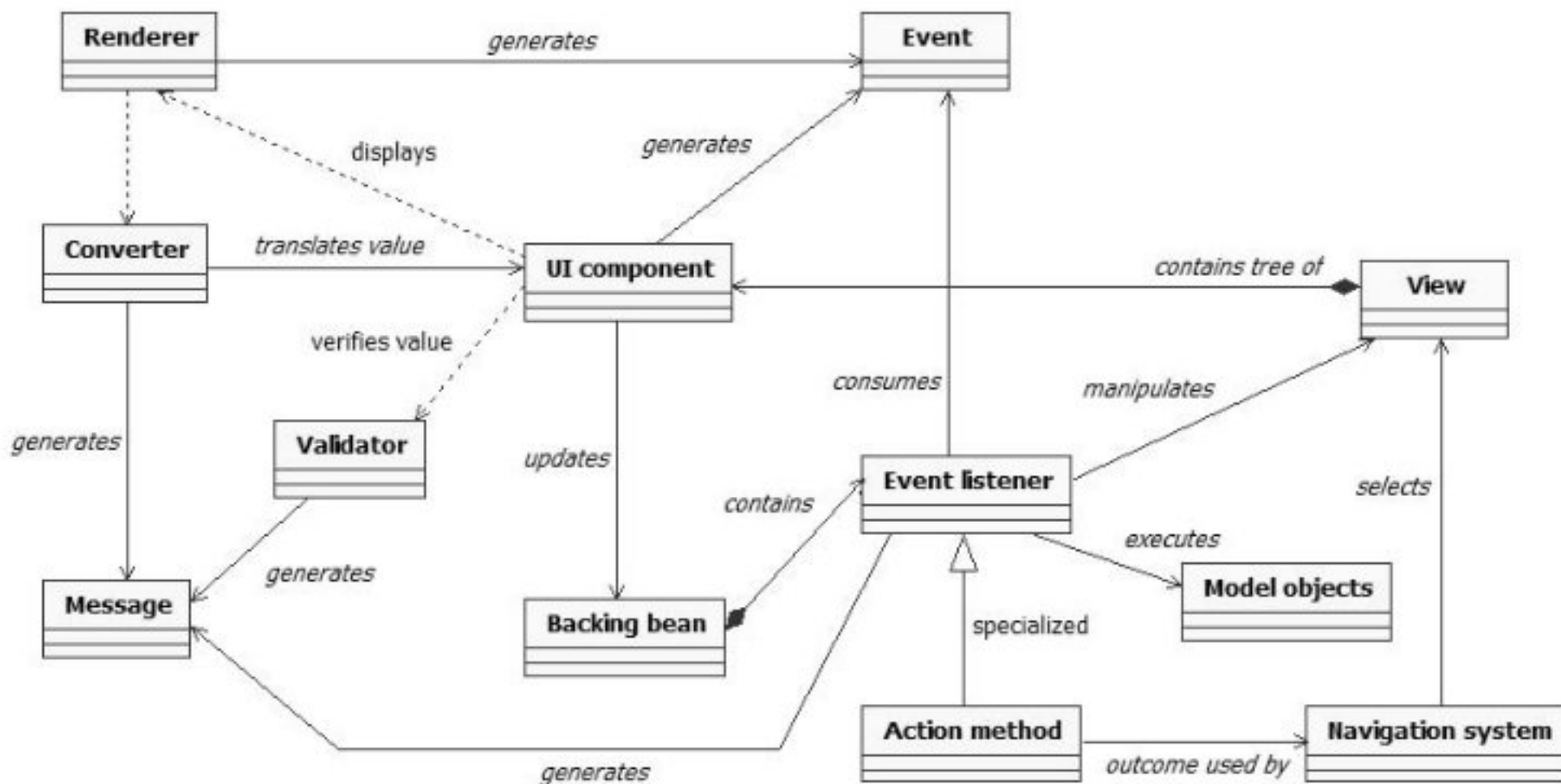
Codificação e Decodificação de Páginas



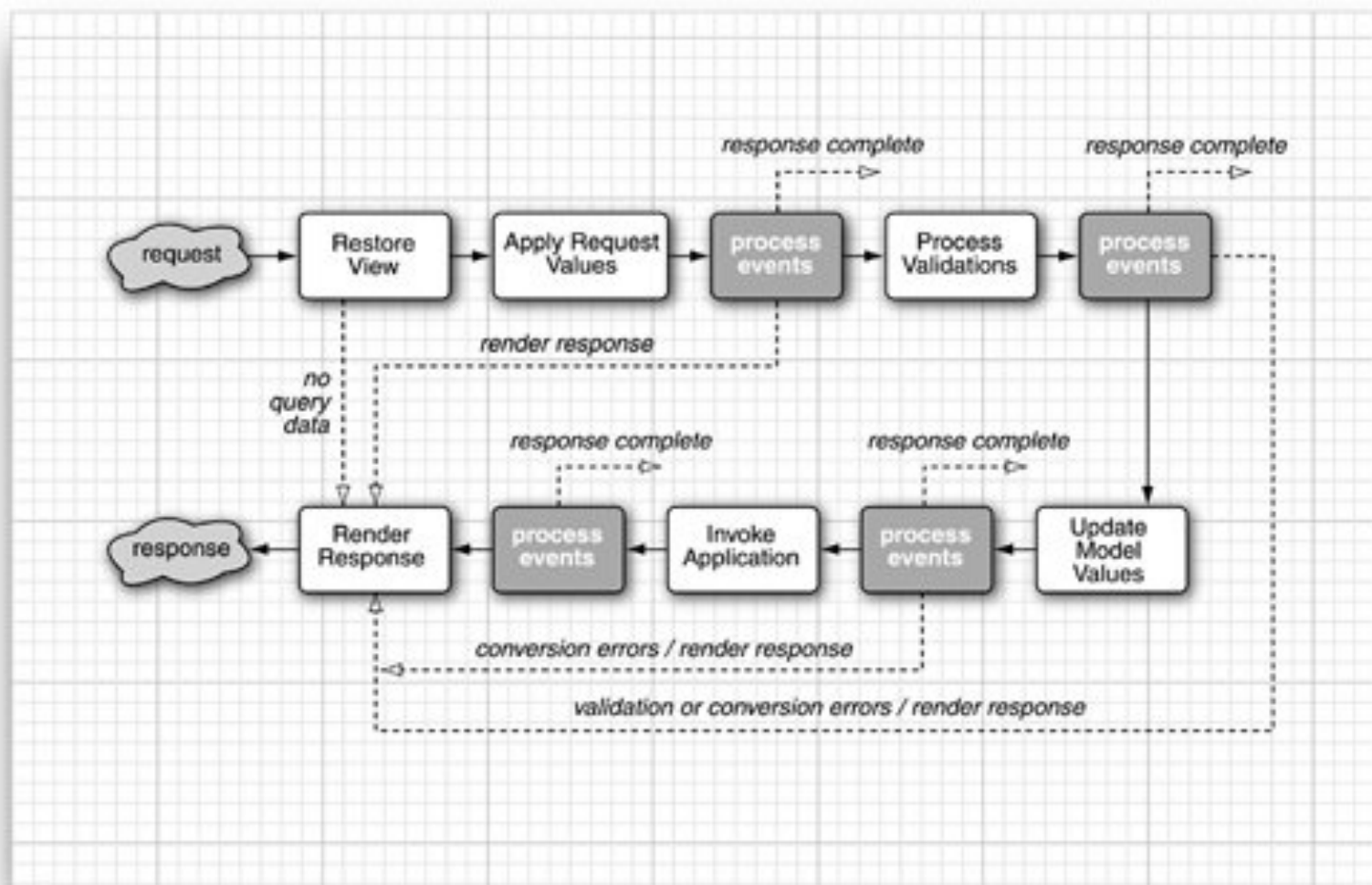
Árvore de componentes



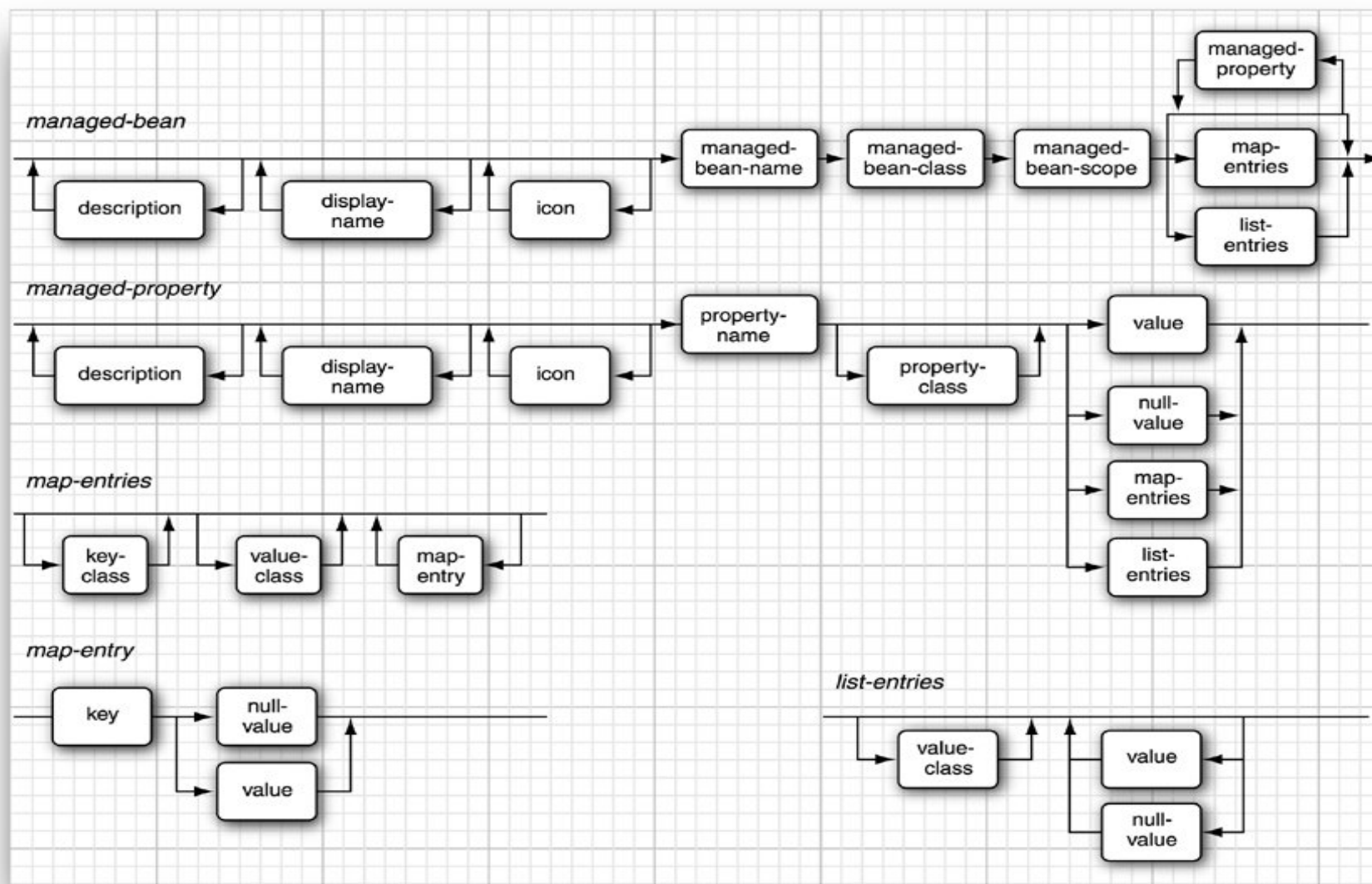
O Modelo dos Componentes JSF



O Ciclo de Vida JSF



Elementos XML do faces-config.xml



Redirecionando para JSF

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
    "http://www.w3.org/TR/html4/loose.dtd">

<html>
<head>
    <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
</head>
<body>
    <jsp:forward page="menu.jsf" />
</body>
</html>
```

Um JSF

Importe das tag's JSF

```
<%@ taglib prefix="f" uri="http://java.sun.com/jsf/core"%>
<%@ taglib prefix="h" uri="http://java.sun.com/jsf/html"%>
```

Um Trecho de um JSF

```
<f:view>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
  <title>Cadastro de Telefones</title>
</head>
<body>
  <center>
    <h1>Cadastro de Telefones</h1>
    <h:form id="fone">
      <h:messages/><br>
      DDD: <h:inputText value="#{fone.ddd}" size="2" /><br><br>
      N&uacute;mero: <h:inputText value="#{fone.numero}" size="9" /><br><br>
      <h:selectOneMenu value="#{fone.func}" >
        <f:selectItems value="#{fone.funcLista}" />
      </h:selectOneMenu><br><br>
      <h:commandButton action="#{fone.inclui}" value="Enviar" />&nbsp;  
```

O Managed Bean

A Declaração de um Managed Bean

```
public class CadFoneBean {
    private String ddd = "";
    private String numero = "";
    private Integer func = new Integer(0);
    protected Collection<SelectItem> funcLista = null;
}
```

Exemplo de construção de um SelectOneMenu

```
@SuppressWarnings("rawtypes")
public Collection getFuncLista() {
    funcLista = new ArrayList<SelectItem>();
```

```
<h:selectOneMenu value="#{fone.func}" >
    <f:selectItems value="#{fone.funcLista}" />
</h:selectOneMenu><br><br>
```

```
try {
    List<Funcionario> obj = CadastroDeFuncionario.getInstance()
        .getLista();

    if (obj.size() > 0)
        setFunc(obj.get(0).getId());

    for (Funcionario f : obj)
        funcLista.add(new SelectItem(f.getId(), f.getNome()));
} catch (Exception ex) {
}

return funcLista;
}
```


O JSF DataTable

No JSF

```
<h:form>
  <h:dataTable border="0" value="#{lista.contatos}" var="cnt">
    <h:column>
      <f:facet name="header"><h:outputText value="Del"/></f:facet>
      <h:selectBooleanCheckbox value="#{cnt.removido}" onclick="submit()"/>
    </h:column><h:column>
      <f:facet name="header"><h:outputText value="Nome"/></f:facet>
      <h:outputText value="#{cnt.nome}"/>
    </h:column><h:column>
      <f:facet name="header"><h:outputText value="E-Mail"/></f:facet>
      <h:outputText value="#{cnt.email}"/>
    </h:column>
  </h:dataTable>
  <hr>
  <h:commandButton value="Deleta" action="#{lista.remove}"/>&nbsp;
  <h:commandButton value="Voltar" action="voltar"/>
</h:form>
```

No Managed Bean

```
public ListDataModel getContatos() {
    if (contatos == null) {
        List<ContatoModel> lista = new ArrayList<ContatoModel>();

        for (Contato c : ControleDeContatos.getInstance().getContatos())
            lista.add(new ContatoModel(c));

        contatos = new ListDataModel(lista);
    }
    return contatos;
}
```

O FacesContext

Adicionando mensagens para ser utilizado com a tag's <h:messages />

```
FacesContext.getCurrentInstance().addMessage(
    null,
    new FacesMessage(FacesMessage.SEVERITY_ERROR, "Atenção",
        "Não existem Telefones cadastrados!"));
```

Criando um bean Para ser usado num JSF

```
FacesContext fc = FacesContext.getCurrentInstance();
ELContext elc = fc.getELContext();
ValueExpression ve = fc.getApplication().getExpressionFactory()
    .createValueExpression(elc, "#{fone}", this.getClass());
ve.setValue(elc, null);
```

Acessando um Managed Bean associado a outro JSF

```
FacesContext fc = FacesContext.getCurrentInstance();
ELContext elc = fc.getELContext();
ValueExpression ve =
    fc.getApplication().getExpressionFactory()
        .createValueExpression(elc, "#{fone}", CadFoneBean.class);
CadFoneBean cfb = (CadFoneBean)ve.getValue(elc);
id = cfb.getFunc();
```

Adicionando um bean Ao contexto de um JSF

```
Mensagem msg = new Mensagem();
FacesContext.getCurrentInstance().
    getExternalContext().getSessionMap().put("msg", msg);
```