Building AJAX Enabled JSF Components
ajax and the dojo - myfaces integration

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hysteria, hype or real stuff?
Stats

- 157,000,000 hits (google ‘ajax’)
- 102,000 hits (google ‘ajax library’)
- 40,400 hits (google ‘ajax conference’)
- 21,800 hits (google ‘ajax component’)
- 154,000,000 hits (google `ajax !cleaner`)
AJAX?
Compare

- Java - WebStart
- Thin Client
  - RCP (Eclipse)
  - Platform (NetBeans)
- Flex
<f:view>
  <h:form>
    <h:outputLabel value="This is a Label:" for="output" />
    <h:outputText id="output" value="#{bean.helloMessage}" />
    <h:commandButton value="Action Method Button"
                      action="#{bean.performAction}" />
    <h:commandButton value="Action Listener Method Button"
                      actionListener="#{bean.doAction}" />
    <h:commandButton value="Action Listener Type Button">
      <f:actionListener type="com.virtuas.jsf.page.Index" />
    </h:commandButton>
  </h:form>
</f:view>
public class MyBean {
    private String helloMessage;
    public String performAction() {
        return "hello";
    }
    public void doAction(ActionEvent event) {
        // do something
    }
    public String getHelloMessage() {
        return helloMessage;
    }
    public void setHelloMessage(String helloMessage) {
        this.helloMessage = helloMessage;
    }
}
Configuration

```xml
<?xml version="1.0"?>
<!DOCTYPE faces-config PUBLIC
  "-//Sun Microsystems, Inc.//DTD JavaServer Faces Config 1.1//EN"
  "http://java.sun.com/dtd/web-facesconfig_1_1.dtd">
<faces-config>
  <navigation-rule>
    <from-view-id>/index.jsp</from-view-id>
    <navigation-case>
      <from-outcome>hello</from-outcome>
      <to-view-id>/hello.jsp</to-view-id>
    </navigation-case>
  </navigation-rule>
</faces-config>

<!-- Page Beans -->
<managed-bean>
  <description>
    This page object manages the stuff found on the index page
  </description>
  <managed-bean-name>bean</managed-bean-name>
  <managed-bean-class>com.virtuas.jsf.page.MyBean</managed-bean-class>
  <managed-bean-scope>request</managed-bean-scope>
</managed-bean>
```
Each of these phases can optionally skip to Render Response.
Custom Components
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<<UiComponent>>
HtmlFishEyeNavigationMenu
<<tag>>

HtmlFishEyeNavigationMenuTag
dojo <=> MyFaces
MyFaces Fisheye

Demo