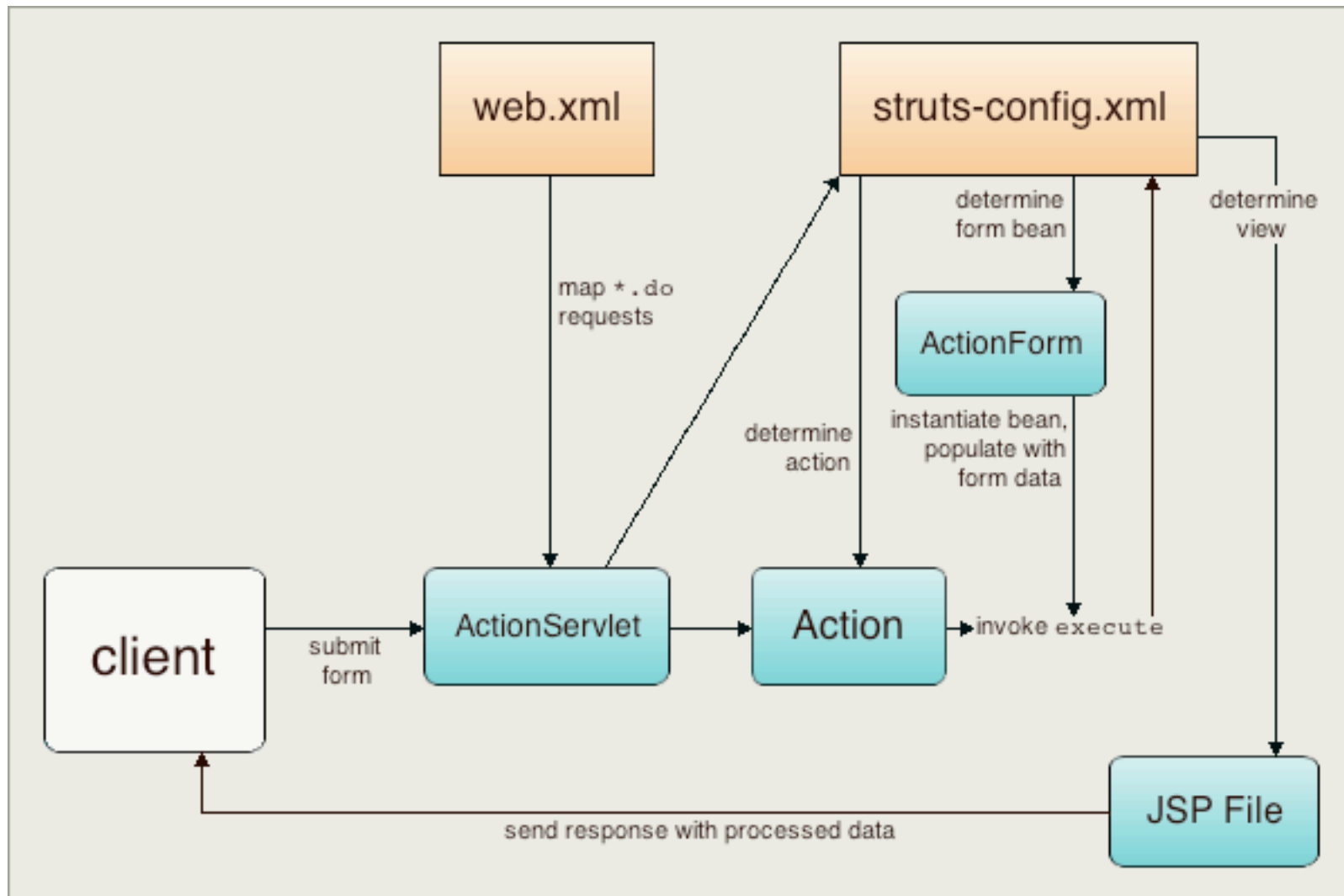


STRUTS

[https://netbeans.org/kb/docs/web/
quickstart-webapps-struts.html](https://netbeans.org/kb/docs/web/quickstart-webapps-struts.html)

Struts



STRUTS web.xml

```
<servlet>
  <servlet-name>action</servlet-name>
  <servlet-class>org.apache.struts.action.ActionServlet</servlet-class>
  <init-param>
    <param-name>config</param-name>
    <param-value>/WEB-INF/struts-config.xml</param-value> </init-param>
    <init-param> <param-name>debug</param-name>
    <param-value>2</param-value>
  </init-param>
  <init-param>
    <param-name>detail</param-name>
    <param-value>2</param-value>
  </init-param>
  <load-on-startup>2</load-on-startup>
</servlet>
<servlet-mapping>
  <servlet-name>action</servlet-name>
  <url-pattern>*.do</url-pattern>
</servlet-mapping>
```

STRUTS – login.jsp

Login Form

Enter your name:

Enter your email:

STRUTS – login.jsp (errorneous data)

Login Form

Please provide valid entries for both fields

Enter your name:

Enter your email:

STRUTS – Login.jsp

```
<%@ taglib uri="http://struts.apache.org/tags-bean" prefix="bean" %>
```

```
<%@ taglib uri="http://struts.apache.org/tags-html" prefix="html" %>
```

```
...
```

```
<html:form action="/login">
```

```
  <table border="0">
```

```
    <tbody>
```

```
      <tr> <td colspan="2"> <bean:write name="LoginForm" property="error" filter="false"/>
        &nbsp;   </td>
```

```
    </tr>
```

```
    <tr> <td>Enter your name:</td>
```

```
      <td><html:text property="name" /></td>
```

```
    </tr>
```

```
    <tr> <td>Enter your email:</td>
```

```
      <td><html:text property="email" /></td>
```

```
    </tr>
```

```
    <tr> <td></td>
```

```
      <td><html:submit value="Login" /></td>
```

```
    </tr>
```

```
  </tbody>
```

```
</table>
```

```
</html:form>
```

STRUTS: struts-config.xml

```
<action-mappings>
  <action name="LoginForm" path="/login"
    scope="request"
    type="com.myapp.struts.LoginAction"
    validate="false">
    <forward name="success" path="/WEB-INF/success.jsp"/>
    <forward name="failure" path="/login.jsp"/>
  </action>
</action-mappings>

<form-beans>
  <form-bean name="LoginForm" type="com.myapp.struts.LoginForm" />
</form-beans>
```

STRUTS: beans

- LoginForm.java – bean backing up the form
- LoginAction.java - bean associated with the /
Login action
- see struts-config.xml above
- /Login action generated by the login.jsp page
– see above

STRUTS: LoginForm.java

```
class LoginForm {  
  
    private String name; // corresponds to the name field of the form – see login.jsp  
    private String email; // corresponds to the email field of the form – see login.jsp  
    private String error;  
  
    String getName() { return this.name }  
    void setName(String name) { this.name = name }  
  
    String getEmail() { return this.email }  
    void setEmail(String email) { this.email = email }  
  
    String getError() {  
        return this.error;  
    }  
    public void setError() {  
        this.error = "<span style='color:red'>Please provide valid entries for both fields</span>";  
    }  
}
```

STRUTS: LoginAction.java

```
class LoginAction extends org.apache.struts.action.Action {  
  
    public ActionForward execute (ActionMapping mapping,  
                                 ActionForm form,  
                                 HttpServletRequest request,  
                                 HttpServletResponse response) throws Exception {  
  
        LoginForm formBean = (LoginForm) form;  
        String name = formBean.getName();  
        String email = formBean.getEmail();  
        if ((name == null) || email == null || name.equals("") || email.indexOf("@") == -1) {  
            formBean.setError();  
            return mapping.findForward("failure");  
        }  
        return mapping.findForward("success");  
    }  
}
```

STRUTS: success.jsp

```
<%@ taglib uri="http://struts.apache.org/tags-bean" prefix="bean" %>
```

```
<head> <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">  
  <title>Login Success</title>  
</head>
```

```
<body>  
  <h1>Congratulations!</h1>  
  <p>You have successfully logged in.</p>  
  <p>Your name is: <bean:write name="LoginForm" property="name" /> .</p>  
  <p>Your email address is: <bean:write name="LoginForm" property="email" />.</p>  
</body>
```

STRUTS: success.jsp

Congratulations!

You have successfully logged in.

Your name is: Joe Hacker.

Your email address is: jhacker@netbeans.org.

STRUTS: wrap-up

