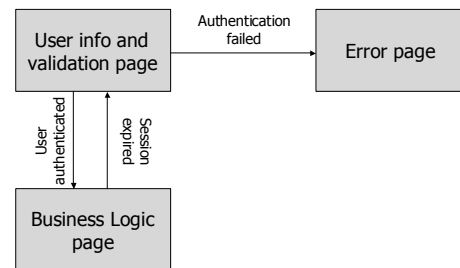


CS320 Web and Internet Programming

Working with Multiple JSPs

Chengyu Sun
California State University, Los Angeles

Multiple JSP Pages



Working with Multiple JSPs

◆ Moving around

- `<jsp:forward>`
- `<c:redirect>`
- `<jsp:include>`

◆ Sharing data

- Request
- Session
- Other info

◆ Tools

- Scripting elements
- Tag libraries
- Java Beans
- Expression languages

Working with Multiple JSPs

◆ Moving around

- `<jsp:forward>`
- `<c:redirect>`
- `<jsp:include>`

◆ Sharing data

- Request
- Session
- Other info

◆ Tools

- Scripting elements – avoid
- Tag libraries – good for processing
- Java Beans – good for storing information
- Expression languages – glue everything together

EL Capabilities

- ◆ Access bean directly
- ◆ Interact with custom tags
- ◆ Can be used in JSP pages directly
- ◆ Access implicit variables
 - `param`, `paramValues` ...
- ◆ Access *scopes*
 - `pageScope`, `requestScope`, `sessionScope`, and `applicationScope`

Include, Forward, and Redirect

- ◆ `<jsp:include page="/form4.jsp"/>`
 - Include a static page or the output of another JSP
- ◆ `<jsp:forward page="/form5.jsp"/>`
 - Forward the request to a web resource
 - Handled on the server side
- ◆ `<c:redirect url="/form5.jsp"/>`
 - Redirect the browser to a web resource

Session

- ◆ `<%@ page session="true"%>`, default
- ◆ Associate `<attribute, values>` pairs with session
 - `<c:set var="attr" scope="session", value="${i}"/>`
 - E.g. form6.jsp and form7.jsp

Summary

	Request	Session	<attr,value>	Object (bean)
Include				
Forward				
Redirect				

File Upload

- ◆ Login.jsp
- ◆ Turmin.jsp
- ◆ Upload.jsp