CS320 Web and Internet Programming
Working with Multiple JSPs

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Multiple JSP Pages

User info and
validation page

Authentication failed

Error page

Business Logic
page

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>`
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  ▪ `<jsp:include>`

◆ Sharing data
  ▪ Request
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  ▪ 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

<table>
<thead>
<tr>
<th>Request</th>
<th>Session</th>
<th><code>&lt;attr,value&gt;</code></th>
<th>Object (bean)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Include</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forward</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Redirect</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

File Upload

- Login.jsp
- Turnin.jsp
- Upload.jsp