CS 683 Emerging Technologies
Fall Semester, 2004
Doc 13 Cocoon Form
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References

Cocoon Developer’s Handbook, Moczar & Aston, Sams Publishing, 2003

Cocoon Forms

Simple Example

Files
In CATALINA_HOME/webapps/cocoon/

formExample/content/age.xsp
formExample/resources/form.html
formExample/style/main.xsl
formExample/sitemap.xmap

http://bismarck.sdsu.edu:9006/cocoon/age/index.html

formExample/sitemap.xmap

```
<?xml version="1.0"?>
<map:sitemap xmlns:map="http://apache.org/cocoon/sitemap/1.0">
  <map:components>
    <map:generators default="file" />
    <map:transformers default="xslt" />
    <map:readers default="resources" />
    <map:serializers default="html" />
    <map:selectors default="browser" />
    <map:matchers default="wildcard" />
  </map:components>
  <map:pipelines>
    <map:pipeline>
      <map:match pattern="index.html">
        <map:read type="resource"
            src="resources/form.html" mime-type="text/html">
        </map:read>
      </map:match>
      <map:match pattern="processAge.html">
        <map:generate type="serverpages" src="content/age.xsp" />
        <map:transform type="xslt" src="style/main.xsl" />
        <map:serialize type="html" />
      </map:match>
    </map:pipeline>
  </map:pipelines>
</map:sitemap>
```

formExample/resources/form.html

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
      "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
  <head>
    <meta http-equiv="content-type" content="text/html;
      charset=iso-8859-1" />
    <title>
      Form Example
    </title>
  </head>
  <body>
    <h1>
      Form Example
    </h1>
    <form action="processAge.html" method="get">
    <label for="age">
      Enter your age:
    </label>
    <input type="text" id="age" name="age" value="10"
        size="40" />
    <input type="submit" />
  </form>
</body>
</html>
```

formExample/content/age.xsp

```
<?xml version="1.0"?>

<xsp:page language="java"
   xmlns:xsp="http://apache.org/xsp"
   xmlns:xsp-request="http://apache.org/xsp/request/2.0" >

<page>
   <xsp:logic>
      String ageString = <xsp-request:get-parameter name="age" />;
   </xsp:logic>
   <title>Age Results</title>
   <content>
      <paragraph>You entered: <xsp:expr>ageString</xsp:expr>
      </paragraph>
   </content>
</page>
</xsp:page>
```

formExample/style/main.xsl

```
<?xml version="1.0"?>
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

  <xsl:template match="page">
  <html>
    <head>
      <title>
        <xsl:value-of select="title"/>
      </title>
      </head>
      <body>
        <xsl:apply-templates/>
      </body>
    </html>
  </xsl:template>

  <xsl:template match="title">
    <h2>
      <xsl:apply-templates/>
    </h2>
  </xsl:template>

  <xsl:template match="paragraph">
    <p>
      <xsl:apply-templates/>
    </p>
  </xsl:template>
</xsl:stylesheet>
```