Reserved Checkout

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1. Revision Controller

To check out a file call the method :

```
org.apache.lenya.cms.rc.RevisionController.reservedCheckOut(String source, String identity)
```

where the source is the path of the file from the publication and the identity is the identity of the user.

This method is called from the ReservedCheckoutAction.

2. The ReservedCheckoutAction

To invoke a reserved check out from a sitemap pipeline, you use The ReservedCheckoutAction.

```
<map:components>
  ...
  <map:actions>
          <map:action name="reserved-checkout" src="org.apache.lenya.cms.cocoon.acting.ReservedC
  </map:actions>
  ...
</map:components>



        <map:act type="reserved-checkout">
          <map:generate src="content/rc/{exception}.xsp" type="serverpages">
            <map:parameter name="user" value="{user}"/>
            <map:parameter name="filename" value="{filename}"/>
            <map:parameter name="date" value="{date}"/>
          </map:generate>
          <map:transform src="xslt/rc/rco-exception.xsl"/>
          <map:serialize/>
        </map:act>
```

3. URL

The call

```
{document-URL}?lenya.usecase=checkout&lenya usecase.step=checkout
```

invokes a check-out of the document

4. The ReservedCheckoutTestAction

The ReservedCheckoutTestAction checks out a document only if this isn't already checked out

```
<map:components>
  ...
  <map:actions>
          <map:action name="reserved-checkout-test" src="org.apache.lenya.cms.cocoon.acting.Rese
```

```
      </map:actions>
      ...
   </map:components>



            <map:act type="reserved-checkout-test">
              <map:generate type="serverpages" src="../../content/rc/{exception}.xsp">
                <map:parameter name="user" value="{user}"/>
                <map:parameter name="filename" value="{filename}"/>
                <map:parameter name="date" value="{date}"/>
              </map:generate>
              <map:transform src="../../xslt/rc/rco-exception.xsl"/>
              <map:serialize/>
            </map:act>
```

5. FileReservedCheckOutException

When the file cannot be checked out because another user has already checked it out, a fileReservedCheckOutException is thrown:

```
File Reserved Checkout Exception

Could not check out the file

Reason : The resource has already been checked out by another user
User: lenya
Date: Wed Oct 22 12:02:28 CEST 2003
Filename: /content/authoring/index/index_de.xml
```

The serverpage

```
cocoon-lenya/src/webapp/lenya/content/rc/fileReservedCheckOutException.xsp
```

generates the xml which will be transformed with

```
cocoon-lenya/src/webapp/lenya/xslt/rc/rco-exception.xsl
```

6. Exception

The errors are catched as generic Exception

```
Generic Exception

Check the log files :-)
Filename: /content/authoring/malaVida/index_de.xml
```

The serverpage

```
cocoon-lenya/src/webapp/lenya/content/rc/exception.xsp
```

generates the xml which will be transformed with

```
cocoon-lenya/src/webapp/lenya/xslt/rc/rco-exception.xsl
```