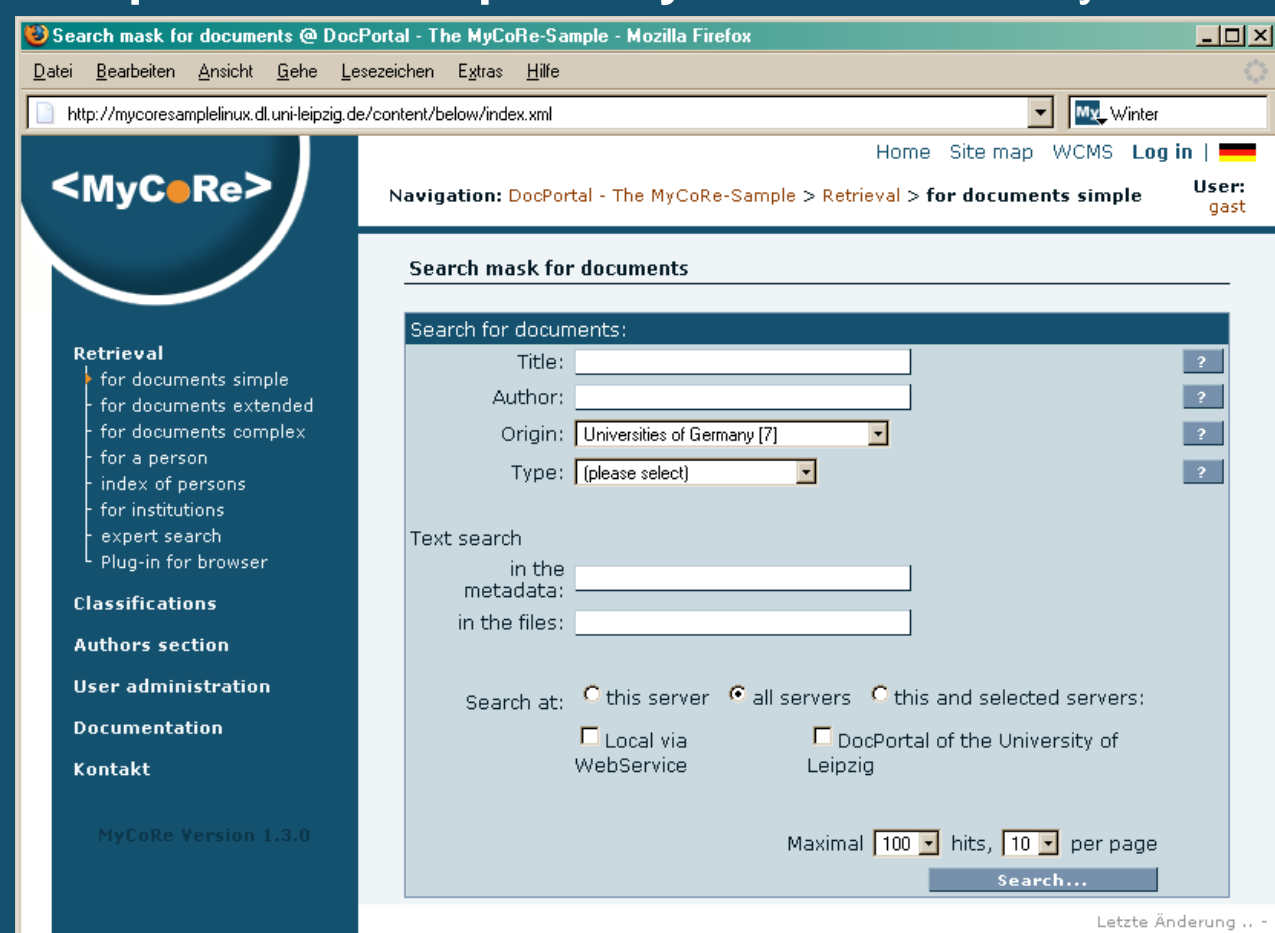# `<MyCoRe>`

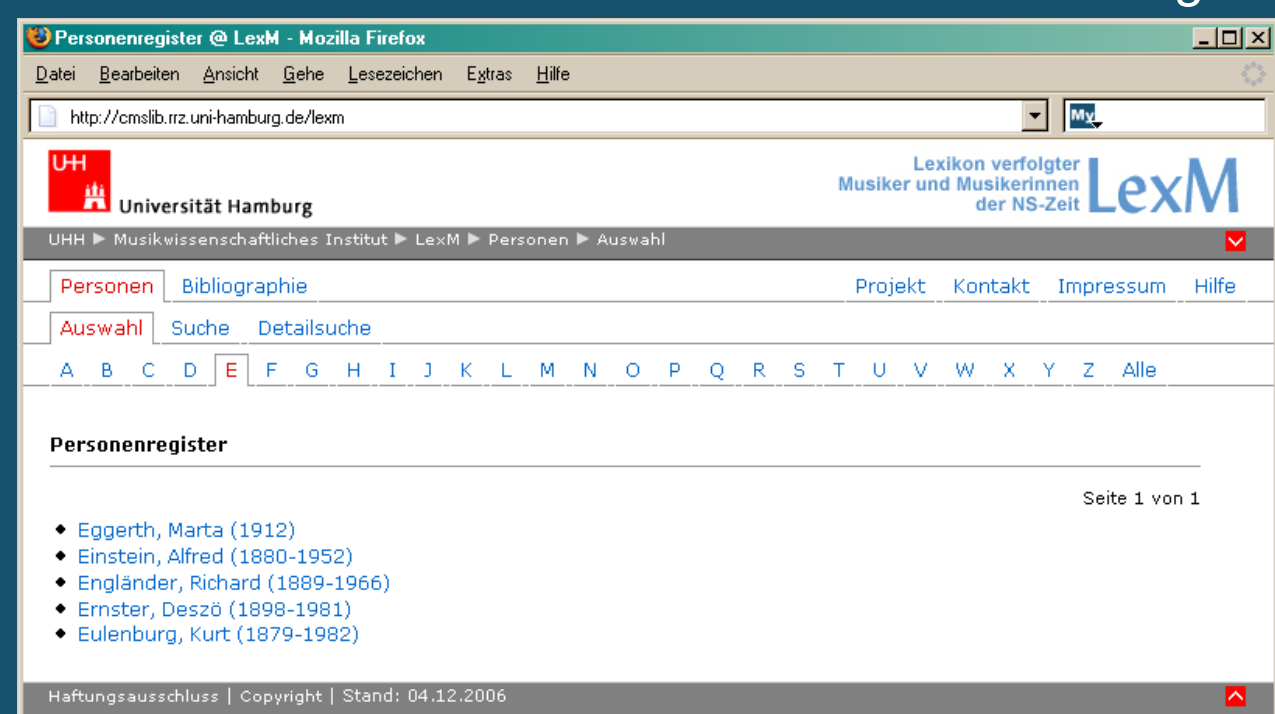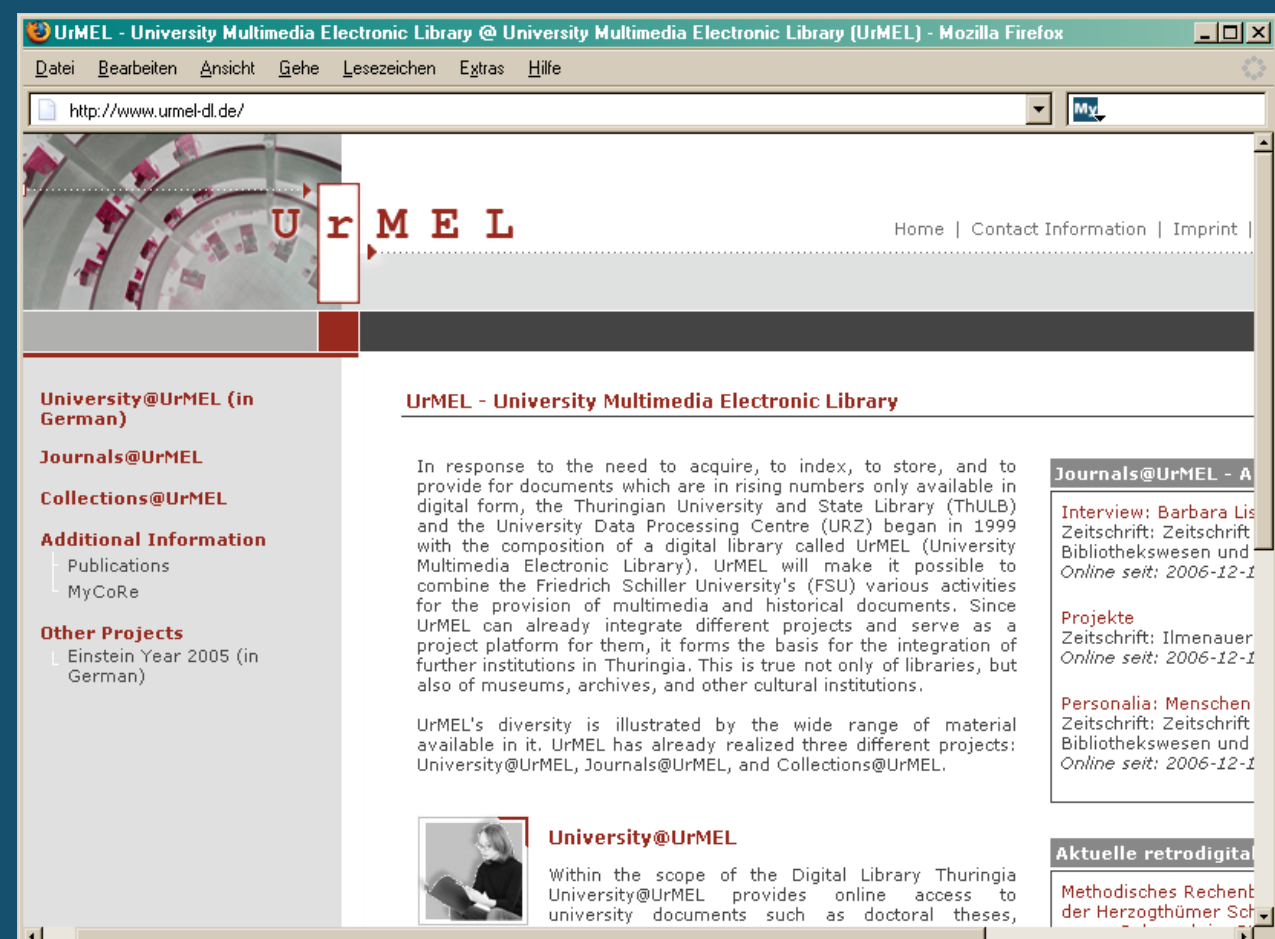## MyCoRe Applications:

Sample content repository — www.mycore.de

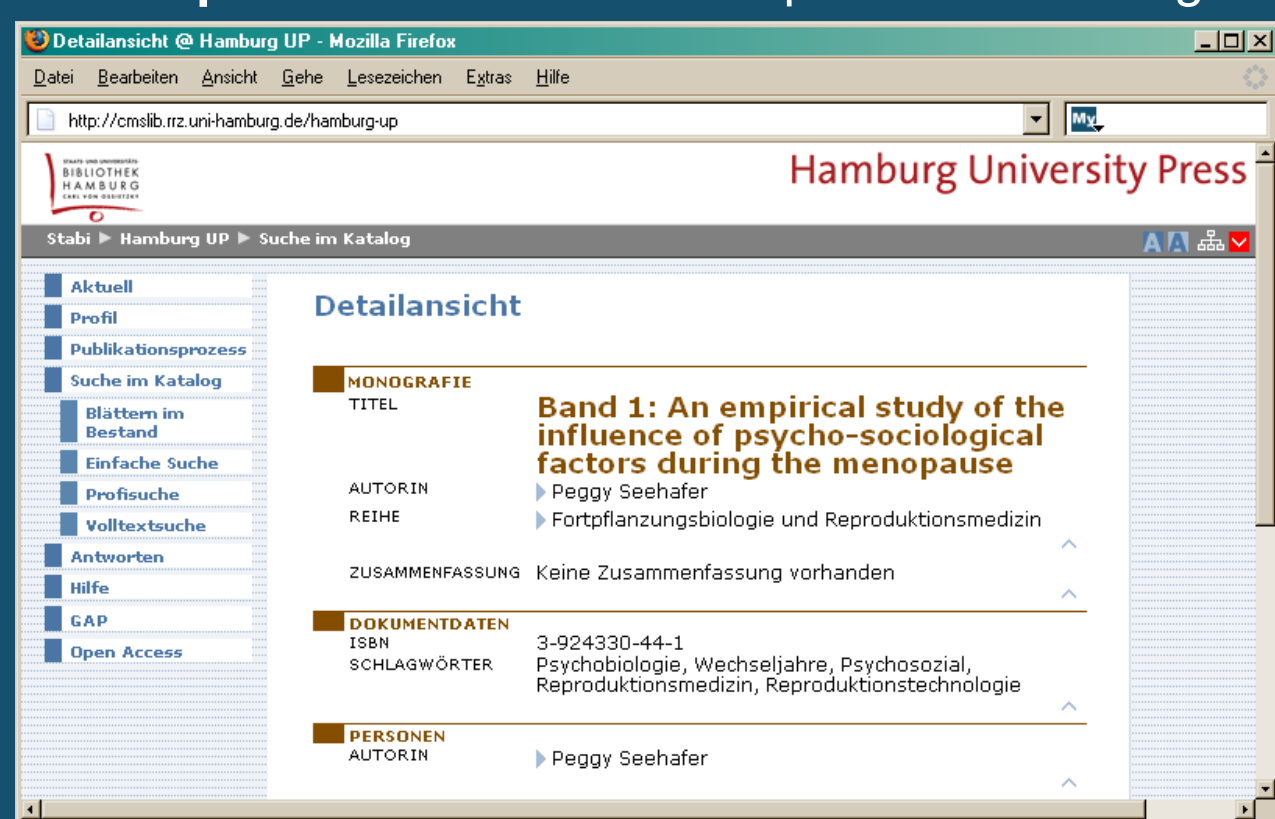**Lexicon** — www.lexm.uni-hamburg.de

Journal server — www.urmel-dl.de

Digital library — duepublico.uni-duisburg-essen.de

Online publisher — hup.rrz.uni-hamburg.de
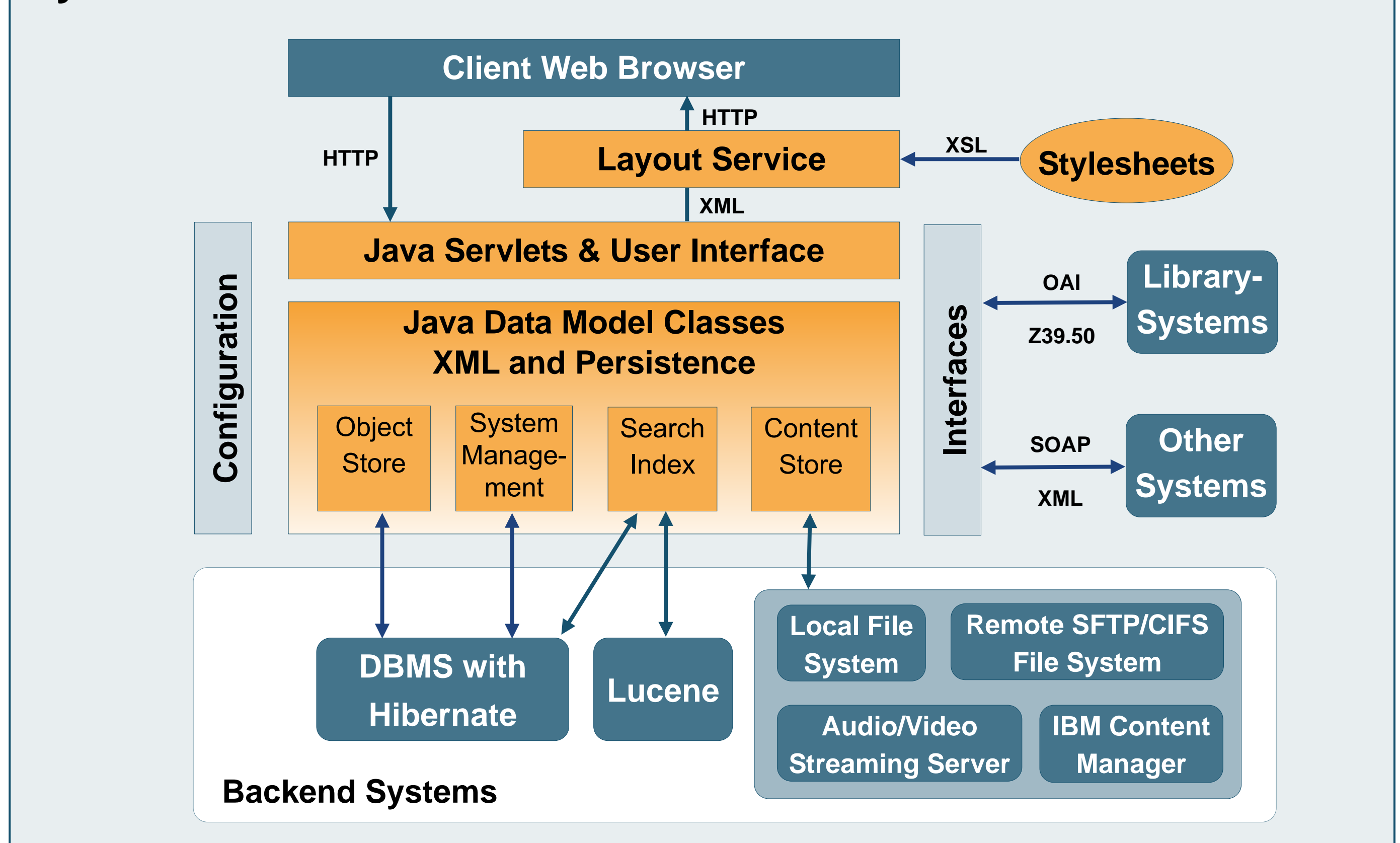
Archive — papyri.dl.uni-leipzig.de

www.mycore.org
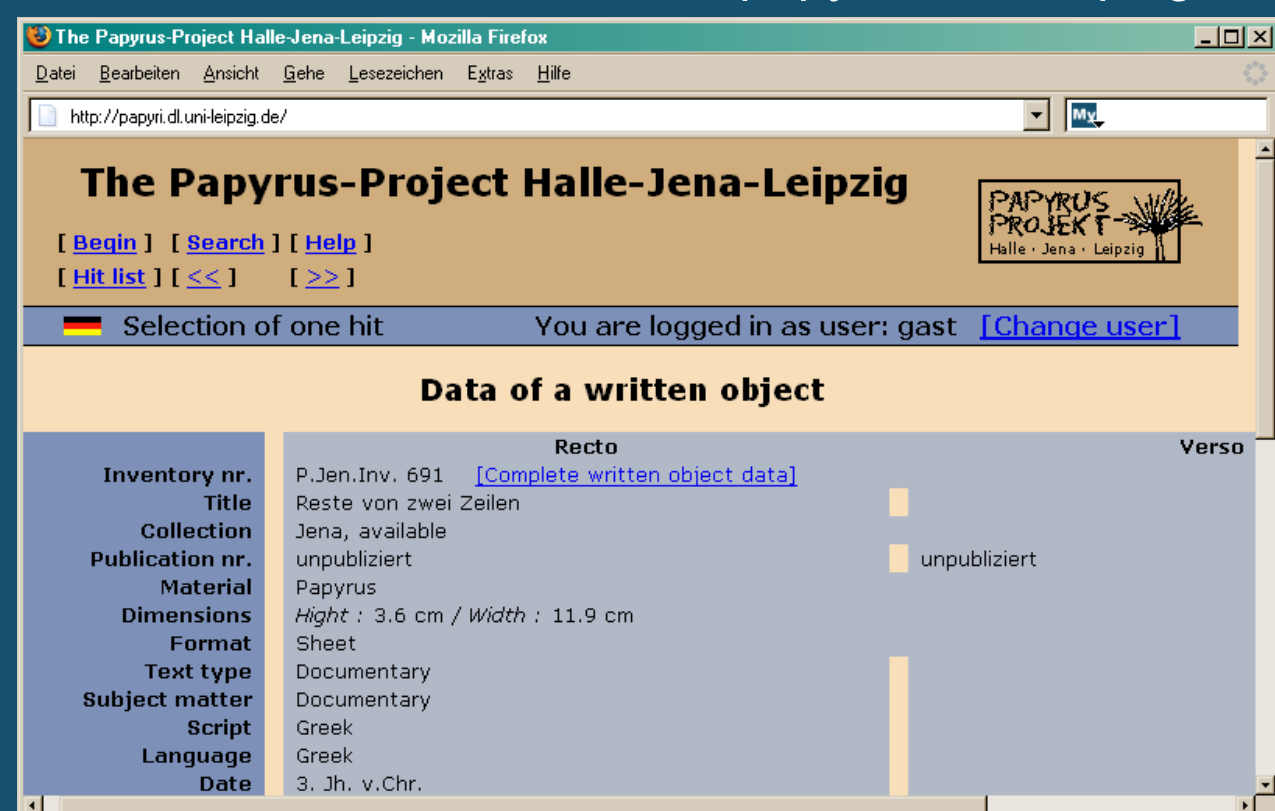
Main Functions

The Open Source Software **MyCoRe** Version 1.3 is available under GNU General Public License. MyCoRe is the kernel for **My Co**ntent **Re**pository. The sample application for document management is called **DocPortal** and it is ready to install as binary.

- **Metadata Management**
  - Customizable for documents, persons, media, etc.
  - Any metadata model is adaptable, e.g. Qualified Dublin Core metadata
- **Classification Management**, hierarchical or flat (e.g. Dewey Decimal Classifikation *DDC*)
- Persistent identifier with Uniform Resource Name *URN* Standard
- **Search**
  - Full-text search and parametrical search in metadata
  - Distributed/remote search via WebServices
  - MyCoRe Query Language
  - Search plug-in for Mozilla Firefox browser
  - Qualified search in XML documents
- User and rights management, access control
- **Optional Modules**
  - Web Content Management System
  - Workflow for users, e.g. authors and editors, with special user interfaces
  - Image viewer
  - Integration of audio / video streaming server possible
- **Supported Interfaces**
  - Open Archives Initiative *OAI* protocol for metadata harvesting 2.0
  - Z39.50 query interface
  - WebServices

MyCoRe Architecture

Client Web Browser

HTTP — HTTP — Layout Service — XSL — Stylesheets — XML

Java Servlets & User Interface

Java Data Model Classes XML and Persistence

Object Store | System Management | Search Index | Content Store

Configuration

Interfaces — OAI — Library-Systems — Z39.50 — SOAP — Other Systems — XML

Backend Systems:
DBMS with Hibernate | Lucene | Local File System | Remote SFTP/CIFS File System | Audio/Video Streaming Server | IBM Content Manager

MyCoRe System Environment

MyCoRe based webapplications are installed on a web server. On client side you need a web browser like *Mozilla Firefox* or *Internet Explorer*. To run MyCoRe on a server the requirements are:

- **Operating System:** Windows, Linux, Solaris, IBM AIX or MacOS
- **Web Application Server:**
  Apache Tomcat, IBM WebSphere, Jetty or other Java servlet engine
- **Runtime environment:** Java 5 SDK Standard Edition
- **Database:** any SQL database system that works with hibernate like MySQL, Oracle or DB2.

DocPortal, the MyCoRe sample application, is ready to use with integrated HSQLDB and Jetty Web Application Server.

Download **docportal-installable.jar** from MyCoRe project at **sourceforge.net**

Contact

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