

## **Appendix 4.1: Use Case Example #1 -- Adding an Online Resource List to a Humanities Seminar Course Website from within a University Library's Portal**

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### **Players:**

- Faculty member (Professor X) who created bibliography on paper for Humanities Seminar she is teaching.
- Graduate Teaching Assistant who is supporting both the faculty member in teaching the class and the students in the class with their research.
- Students in the Humanities Seminar who must access and read the resources on the Resource List
- University's Integrated Library System (ILS) Online Catalog
- University Libraries' Metasearch application
- University Libraries' Digital Repository
- University Libraries' Course Reserve Lists
- University Libraries' Subject Resource Lists
- Campus CMS

### **Assumptions:**

#### **Tool Developer's Point of View:**

- Hooks exist within the Libraries' metasearch application to allow two way interaction between it, and the CMS.
- The Libraries' metasearch environment includes:
  - the Library catalog for physical and digital versions of books, locations for print versions of journals
  - various sources for electronic journals
  - abstract and indexing databases
  - digital repository content
  - Library Course Reserve Lists
  - Library subject based resource lists
- Within the CMS, another tool or module is provided which creates and manages Resource Lists and links a given RL to course web site(s) within the CMS.
- Search results from the Libraries' metasearch application are returned to the CMS in an agreed upon, supported set of display formats including citation, HTML pages, etc.

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- An agreed upon bibliographic citation format is supported for display of content metadata in the CMS etc.
- A URL for the content during the term can be constructed from the content metadata or imported into the CMS, either as a link or as content per se.
- Content delivery transformation services are built into the CMS from likely content providers delivered in supported packaging protocols.
- Appropriate course, registration, authentication, authorization, and licensing information is automatically shared among campus systems.
- Means to "publish" a Resource List (as a learning object) within the CMS or outside of it provided as a service of the CMS.
- The scope and requirements for publishing a Resource List is defined in conjunction with other campus institutions including the Libraries' Digital Repository, the campus scholarly community, etc.
  - Range of publishing scope includes
    - Publishing within CMS environment
    - Publishing to outside of CMS environment to personal, e-portfolio or scholarly publishing type of environment
    - Publishing to outside of CMS environment in to long term preservation storage

**End User (Professor / TA/Student) Point of View:**

- Professor X created and used the bibliography last term at which point all the texts were available either through Library Course Reserves or in the CoursePack, as indicated on the paper bibliography.
- The TA has been proxied to create the Resource List in the campus CMS for Professor X.
- All of the authentication processes related to creating the Resource List come transparently from the campus infrastructure.
- The TA has significant experience conducting online and library catalog research.
- Students will need access to the texts and or metadata on the Resource List for the entire term.
- Searching the library's resources appears the same and has the same search options whether search is done w/in RL creation tool, the Library catalog, the Libraries' metasearch tool or any of the Libraries' Course Reserve or Subject Resource Lists.
- Professor X plans to re-use the Resource List next time the Humanities Seminar is offered the following year.

**Content Repository Point of View:**

- The Content Repository assumes that there are multiple types of users - from the general public to university faculty and staff, to software agents such as Metasearch tools.
- Content Repository supports industry and service-level standards for resource / item level descriptive metadata.

- The Content Repository exposes its resources by providing a core set of search/browse and delivery services to its customers / patrons.
- Extent and scope of the content search and delivery services to the user are defined by user's identify and authorization, and managed by commonly used security and authentication standards.
- Resources made available by the Content Repository for inclusion in a learning management system are packaged in standard formats for dissemination to an external system for transformation and delivery to the end user(s).
- The repository assumes that services that connect to it will not interfere with the repositories' operations.

**Description:**

Professor X created and distributed a paper based bibliography of journal articles, entire books, chapters from books, and selected poems last term for her Humanities Seminar that she wants to make available through the online course web site managed by the campus course management system that she is using this term for the Seminar. She has asked her seminar TA to turn the bibliography into a Resource list that will allow the students to find whether and where the print texts are located on campus, provide a proper citation according to the Chicago Manual of Style citation format, and include the campus location. She also wants to add other resources that she has read since last term, but now does not know exactly where the texts of the resources can be found, so does not have complete citation information. If the resources are available in digitized form, Professor X would like that information included in the same citation format along with the link to the online version.

**Transactions:**

- Because Professor X has included a number of publications from the same authors who are considered specialists in the topic areas on the bibliography, the TA searches the library catalog by author to locate any of the resources on the bibliography from the given author.
- From the results of the library catalog search, the TA selects a number of the books which are located in various campus libraries, downloads the descriptive information about the book and exports that information into the Resource List creation module of the CMS. The TA chooses the citation export format for Chicago Manual of Style, and opts to include the campus library location as part of the export. The TA also chooses the option of adding the selected books to a Library Course Reserve List for the Humanities Seminar that can be automatically generated from the CMS' course information about the Humanities Seminar.
- Because Professor X has excerpted selected chapters from some of the books, the TA uses the Resource List module from the CMS to correct the citation from the whole book that has been exported into the Resource List and limit the citation to the chapters for which the students are responsible. The TA also chooses the option of adding the selected chapters to the Library Course Reserve List for the Humanities

Seminar automatically generated from the CMS' course information about the Humanities Seminar.

- The TA suspects that some of the complete books or chapters may be available from the Library's online repository in digitized form. She conducts the same author search in the Library's digital repository. If she finds a digital version of the text or selected parts of the texts, she uses the DL's "Send a Shortcut" button to export the location of the text, and chooses a "CMS Resource List" as the place where the location should be dropped. Upon being returned to the Resource List module, the TA identifies to which Resource List and citation the location should be added. She is then given the option to return to the Library portal for further searching, or completing the creation / editing of the Resource List within the CMS.
- The TA opts to return to the Library portal and now searches it to find the known journal titles of the articles that Professor X has requested. Once she finds a journal, she searches for the article title by whatever means the journal provides. Once she locates the desired article, she chooses the options for exporting the article's citation information in the desired citation format, and exports that metadata. As part of the export process, the TA is returned to the portal where she chooses the option of dropping the citation information and link to the article into the Resource List module of the CMS. Following the completion of this task as outlined above, she is offered the option of further searching from within the portal or completing the creation / editing of the Resource List.
- The TA returns to the Library's portal to find the articles from the unknown journals that Professor X wants to add to the Resource List this term. She locates the appropriate abstracting and indexing database, and then searches the database for the article. From the results list, she follows the link to the article and upon determining that it is the article desired, chooses the option for exporting the article's citation information in the desired citation format, and exports that metadata. As part of the export process, the TA is returned to the portal where she chooses the option of dropping the citation information and link to the article into the Resource List module of the CMS. Following the completion of this task, she is offered the option of further searching from within the portal or completing the creation / editing of the Resource List.
- As a final step in the creation of the Humanities Seminar Resource List, the TA verifies that the time during which the cited texts are needed by students in the Seminar is the current term or less. If more time is needed, the TA is referred to the Library's licensing specialists for consultation.

**Exceptions:**

- If the expiration date for access to the resources on the Resource List is later than the end date of the current term, the Resource List is not mounted on the Humanities Seminar's course web site until cleared by the Library's licensing specialists.

<http://www.diglib.org/pubs/cmsdl0407/> | <http://purl.oclc.org/df/cmsdl0407>