Appendix 4.3: Use Case Example #3 – Faculty creates a search criteria box and adds a search criteria box to a CMS assignment

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Players

- Faculty
- CMS
- Search Creator Tool
- Digital Repository (DR) and vended Databases.

User (faculty) Assumptions

- The faculty has located the Search Creator Tool in the CMS, authenticated to the enterprise, and is ready to a Search Criteria Box.
- A Search criteria Box that has been published to a specific user or group is editable by a subscribed author.

Tool Developer Assumptions

- Search Criteria boxes are associated with an individual or group.
- The Search Creator tool has the capacity to:
  - Browse/Subscribe - Browse current Search Criteria Boxes that have been associated with groups (a particular role) and subscribe to them.
  - Create/Edit/Publish – Create/edit a Search Criteria Box and publish that list to specific groups.
  - Manage – Select preferences, add search criteria to those that are subscribed.
- The enterprise has an established groups (Authorization) mechanism.
- The SIS (Student Information System) is interoperable to the enterprise.

Content Repository Assumptions

- The repository assumes that the users are authenticated to the enterprise.
- Repositories support industry and service-level standards.
- The repository assumes that services that connect to it will not interfere with the repositories operations.
- The repository assumes that services that connect to it will maintain security and authentication standards.

Description

Professor Thomas wants to create a Search Criteria Box (SCB) for his Biology 101 course to help students focus their research activities around specific journals, repositories and other federated search engines. His goal is to guide his students and help them use their time wisely in creating research assignments   His colleague, Professor

Smith, has created a similar SCB for a course last semester and has subsequently published it for his colleagues to adapt at will. Professor Thomas would like to utilize his work yet will be editing it to include additional journals. When he completes the editing, he will place the SCB in the CMS for assignment, week 8.

Transactions

1. Professor Thomas selects the "browse Search Criteria Box" button and is presented with a collection of SCBs and chooses to sort by author.

2. He locates the "Smith; Biology 101" SCB and subscribes to it.

3. Next he selects Manage SCBs which presents a set of SCBs he has created or subscribed to. He locates "Biology 101" and then selects "edit." The edit function allows him to change the search criteria, associate the SCB with groups, set preferences and add resources.

4. He selects the "Define Search Criteria" button and is presented with a focused search string associated to a set of Digital Repositories and Vendor Database journals that Professor Smith has created.

5. Professor Thomas modifies the string to focus his students to cell biology. He saves his changes and is returned to his Search Criteria Box master list.

6. He clicks on "assignment" in the CMS and browses for "Assignment: Week 8."

7.   He clicks to edit the assignment and is presented a WYSIWYG editor. He places his cursor after the second paragraph of the assignment text and clicks the "Add Resources" button.

8. He is prompted to choose from a list of resources including a file from his local storage or network drive, a URL, Resource List artifact or Search Criteria Box. He selects the SCB option and clicks OK.

9. Professor Thomas is presented with a list of SCBs to which he is currently subscribed. He scrolls through the list and selects the "Biology 101" SCB and clicks "Select." The assignment text returns to the screen with the Biology 101 SCB centered after the second paragraph.

10. He clicks "Save" and is returned to a preview of the assignment.

Exception: if the user not a registered user (authenticated) in the enterprise, he will not be able to create and publish.