



Texas Center for Digital Knowledge
University of North Texas
<http://www.txcdk.org>

The Texas Course Redesign Learning Object Repository: Research and Development for a Production System

**Work Area C – User Requirements
Deliverable for September**

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THECB LOR Use Cases

Introduction

Use cases describe how actors (i.e., initiators of actions) interact with the system to achieve a specific goal. Each use case is a complete series of events, from the point of view of the actor. One or more scenarios may be generated from each use case, corresponding to the detail of each possible way of achieving that goal. This document specifies the use cases that describe the major interaction between users and the THECB LOR. It serves as a guide for designing user study methods.

Roles of THECB LOR users

The ender users (primary actors) of the LOR are university or college educators in Texas and their TAs who are developing or redesigning their own courses in the same discipline/subdiscipline or are finding useful LOs to incorporate into their own classes

Another important group of users (supporting actors) are original course developers and their TAs who created the resources and are submitting them to the LOR to share with their colleagues.

User Goals that the system will support

Educators and their TAs

- View LOs at course level to develop/redevelop their own course content;
- View lessons or topics and export the IMS Content Packages to a LMS;
- Search free standing LOs that meet certain criteria to show to the class.

Original course developers and their TAs

- Submit course content to the LOR

Use cases for each goal

Use Case 1. View LOs at course level to develop/redevelop his/her own course

Primary Actor: Educator

Level: User goal

Precondition: Educator has permissions to READ.

Main success scenario:

1. Educator has the LOR provide a course list.
2. Educator selects a course that could help develop his/her own course.
3. Educator has the LOR provide a list of LOs (at any of the four levels of granularity) contained in the selected course.
4. Educator selects a LO (at any of the four levels of granularity) from the list.
5. Educator opens the file and views the content in a new window.

Educator repeats steps 2-5 until he/she is done.

Use Case 2. View lessons or topics and export the IMS Content Packages to a LMS

Primary Actor: Educator

Level: User goal

Precondition: Educator has permissions to READ and download IMS Content Packages.

Main success scenario:

1. Educator has the LOR provide a course list.
2. Educator selects a course.
3. Educator has the LOR provide a list of lessons or topics contained in the selected course.
4. Educator selects a lesson or topic that could help develop his/her own course.
5. Educator has the LOR provide a list of LOs contained in the selected lesson or on the selected topic.
6. Educator selects a LO from the list.
7. Educator opens the file and views the content in a new window.

Educator repeats steps 6 and 7 until he/she has viewed sufficient LOs on the list he/she gets in step 5.

8. Educator download the IMS Content Package (if available) to his/her computer or export it to a LMS.

Educator repeats steps 4-8 until he/she is done with the course he/she selected in step 2.

Educator repeats steps 2-8 until he/she is done.

Use Case 3. Search free standing LOs that meet certain criteria to show to the class

Primary Actor: Educator

Level: User goal

Precondition: Educator has permissions to READ items.

Main success scenario:

1. Educator searches free standing LOs that meet certain requirements (e.g., title, subject, format, type, audience, author, and instructional method) in the whole collection or a particular discipline.
2. LOR presents search results.
3. Educator selects a LO from the result list.
4. Educator opens the LO and view the content in a new window.

Educator repeats steps 2 and 4 to select other LOs on the list until he/she is done with this search.

Educator repeats steps 1-4 until he/she is done.

Use Case 4. Submit course content to the LOR

Primary Actor: Course developer/TA

Level: User Goal

Precondition: Course developer or TA has permissions to READ and ADD items (registered as a Domain Expert).

Main success scenario:

1. Course developer/TA logs into "My THECB LOR."
2. Course developer/TA submits a unit/lesson/topic or a free standing LO to the LOR.

Course developer/TA repeats step 2 until he/she is done.

3. Course developer/TA logs out.