

LEVERAGING THE FLASH PLATFORM TO DELIVER DYNAMIC MEDIA ACROSS CAMPUS



Adobe Education Leader Institute 2009
San Jose, California
July 22nd 2009

EMERGING PROBLEMS

Death of the slide projector

Art History instructors *need* their slides

We need to digitize!

Image repository?

Audio and Video materials?

Can we have a shared resource?

What about Copyright?

Who can do the work?



What applications are we talking about?

CourseMedia™ - Media Management System:

A course media management system that helps instructors organize and present media materials (images, video and audio). Instructors can create media galleries that can be accessed by their students online.



ALORA - Active Learning Object Repository:

A digital object metadata storage and retrieval system build to allow the cataloguing of any type of digital object using any metadata schema from Dublin Core to VRA.



Course Media Management System.

Password-protected media management and presentation application.

Allows presentation of Images, Audio, Video, Text and External Media.

Includes a full toolset for the management, presentation, sharing, and contribution of digital objects.

Instructors have access to 45,000+ images and 2,500+ videos.

Used in 600+ DU courses every quarter.



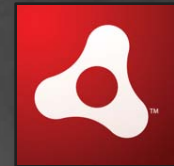
ColdFusion 8 Application Server

Used along with the Fusebox framework, IIS6, and mySQL 5 to perform core backend functionality.



Flash Media Interactive Server 3.5

Used to stream audio and video objects to the core application, various front-ends, and toolsets.



Flash/Flex-Based Toolset

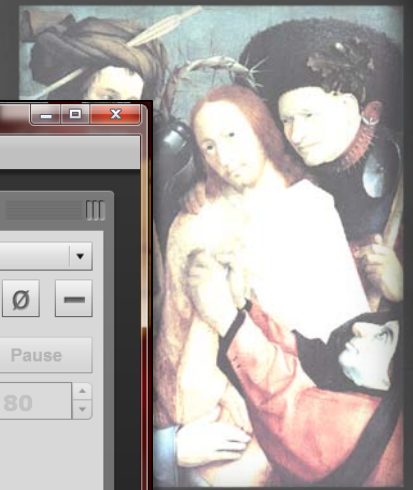
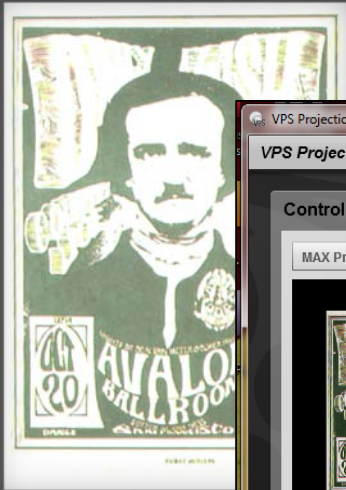
Most of the tools for managing objects, core application datasets, and the presentation and arrangement of digital objects.



Adobe AIR 1.5

Implemented for various front-end kiosk systems and the VPS Projection System.

DU COURSEMEDIA™ PROJECTION

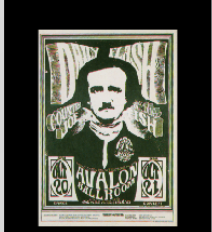


VPS Projection System

VPS Projection System - v.1.3.0 | About | Help | Config | Exit

Control Panel 1

MAX Presentation



+ ∅ -

▶ Pause

◀ 80 ▶

Text Slide | Edgar Allan Poe | Madame Picasso | Texas | Endor

no available website | **Artist:** Mouse, Stanley

no available website | **Artist:** Kelley, Alton

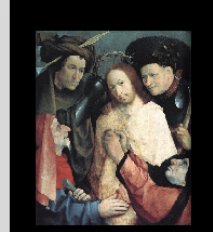
Title: Edgar Allen Poe

Projector | Metadata

Open Web | Close Web

Control Panel 2

Projection



+ ∅ -

▶ Pause

◀ 80 ▶

Text Slide | Christ Mocked (T... | Harry Potter and ... | Dance of the dre... | iPho

no available website | **Artist:** Bosch, Hieronymus (Hieronymus van Aken)

no available website | **Title:** Christ Mocked (The Crowning with Thorns)

View Description:

Projector | Metadata

Open Web | Close Web

2002: DU Visual Art Gallery Application

Convert slide library images to digital form.
Replacement for slide projection (using ScreenWeaver)
Allow slide curator to handle metadata.
Only supports images – no A/V.



2006: DUVAGA 2.0 / ALORA:

Renamed to simply “DUVAGA” (no longer stands for anything).
Split off the metadata repository and object management system.
Can incorporate any schema – default is Dublin Core and VRA.
DUVAGA totally rewritten (Fusebox Framework).
Complete set of new tools for Video and Audio.

2009: DU CourseMedia™:

Renamed due to an impending lawsuit and functional purposes.
Released integrated Media Viewer (Flex) along with rebranding.

PROJECT PARTNERS

DUVAGA 1.0:

Center for Teaching & Learning
School of Art and Art History

DUVAGA 2.0 / ALORA:

Center for Teaching & Learning
DU Streaming Media Group
Penrose Library / Digital Production Services
School of Art and Art History
Graduate School of Social Work
Mass Communications
Law School
Business School
Lamont School of Music
Misc Others...



INTER-DEPARTMENTAL WORKFLOW

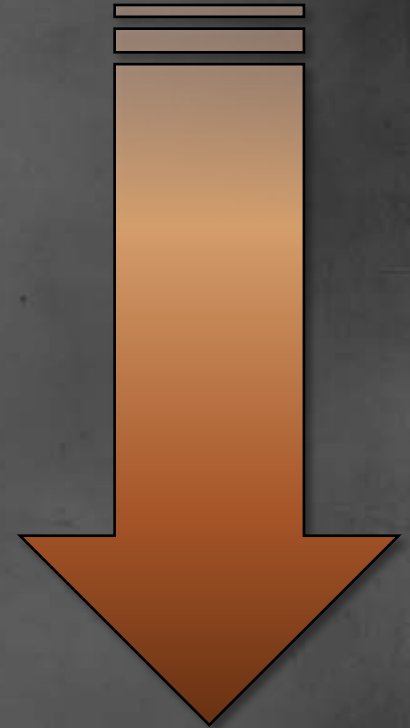
On such a large-scale project, cooperation and strategy is critical.

The library course reserves desk receives a request for materials and checks to see whether or not the university owns a purchased copy of the media. If they do not own a copy, they will attempt to acquire a copy.

The digital transfer is then done to our specifications by Digital Production Services.

Librarians transfer the metadata from various sources into ALORA and catalog the digital object.

The object is then available for instructional use.



DEMONSTRATIONS



Logout Homepage Fair Use Projection Software Student Work Administration Help

DU CourseMedia™

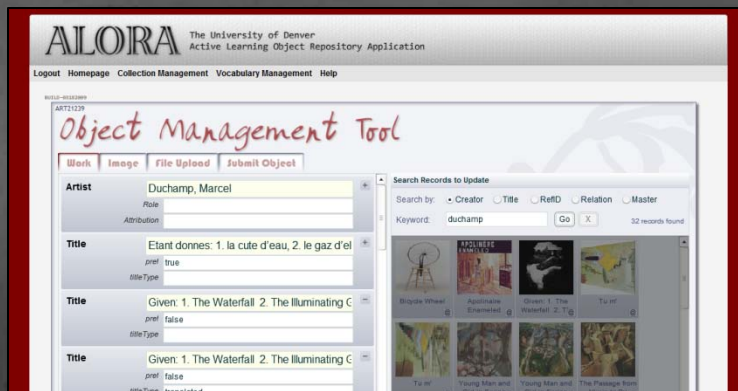
Course Media Management System

Gallery Management
Media Search
Course Galleries
Personal Galleries
MAX Presentation
Strange Media
Projection
Test
External Video

Strange Media

Instructor Comment: A gallery of odd objects for testing.

 Text Slide	 tma svetlo tma	 Into the night
 Enclosure	 iPhone	 Duchamp, Marcel Belle D'ossement a Bismarck No. 2 1912



ALORA The University of Denver
Active Learning Object Repository Application

Logout Homepage Collection Management Vocabulary Management Help

Object Management Tool

Work Image File Upload Submit Object






Artist: Duchamp, Marcel
Role: Attribution

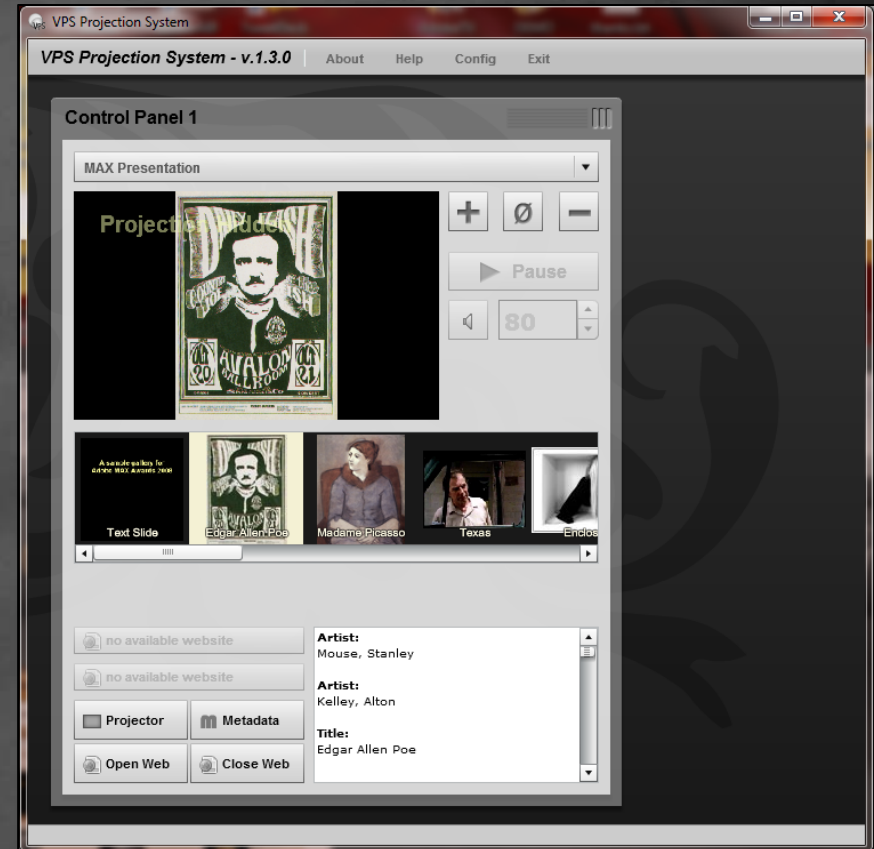
Title: Etant donne: 1. la cuted'eau, 2. le gaz d'el
prel: true
site Type:

Title: Given: 1. The Waterfall 2. The Illuminating C
prel: false
site Type:

Title: Given: 1. The Waterfall 2. The Illuminating C
prel: false
site Type: unspecified

Search Records to Update
Search by: Creator Title ReID Relation Master
Keyword: duchamp Go X 32 records found



VPS Projection System

VPS Projection System - v.1.3.0 | About Help Config Exit

Control Panel 1

MAX Presentation

Projection

Pause

80

Text Slide

Edgar Allan Poe

Madame Picasso

Texas

Enclosure

no available website

Artist: Mouse, Stanley

Artist: Kelley, Alton

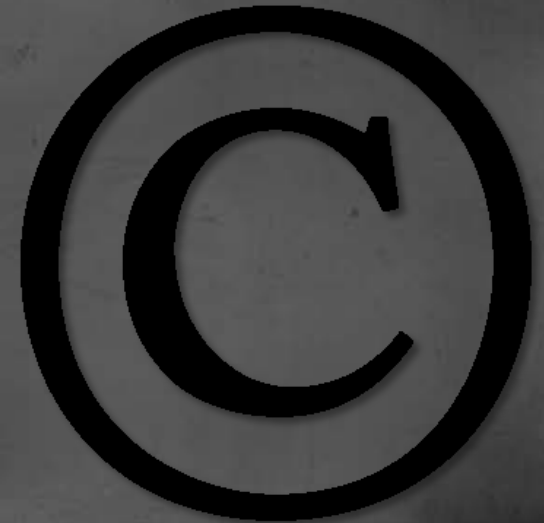
Title: Edgar Allan Poe

Projector Metadata

Open Web Close Web

Generally, one can use copyright materials dependant upon the following conditions:

1. You must be a faculty member
2. The class must be part of the for-credit university catalog
3. The material must be related to the course
4. Access must be password protected
5. There must be a stated copyright notice
6. You must use excerpts whenever possible



QUESTIONS



CONTACT INFORMATION



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*An Early
Morning Letter,
Displaced*

