Extending the Annotator’s Work

From EVIADA to CAMVA

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History of EVIADA and CAMVA

Ethnographic Video for Instruction and Archival (started 2001)

- Extensive use of video from field collecting
- Desire to preserve this video
- Ability to annotate this video
- Networked access for research and instruction

Central America and Mexico Video Archival (2005)

- Goal: Digitize, preserve, and make available highly at-risk or deteriorating film and video footage from American archives
Partners for CAMVA

Center for Latin American and Caribbean Studies

Digital Library Program

Center for the Study of History and Memory

IADA
Central American Partners

Salvador
MUPI: Museo de la Imagen y la Palabra

Nicaragua
HNCA: Instituto de la Historia de Nicaragua y Centroamerica

Mexico
CIESAS: Centro de Investigaciones y Superior en Antropología Social
MVA Support

Grant from the Technological Innovation Operation for Foreign Information Access Program of the US Department of Education

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MVA Overview

Goal: Digitize, preserve, and make available hundreds of hours of at-risk or deteriorated video footage from three Central American communities.

Methodology: Leverage tools and expertise from the MVA Digital Archive project as much as possible.
MVA Process

Video digitized by Central American institutional vendors transmitted to IU via Internet or DVDs transcoded to delivery formats at IU; mirrored to IU’s streaming servers and stored in reservation repository.
MVA Software Development

Starting points:
- EVIA Annotator’s Workbench
- EVIA Web Search & Browse Interface
- EVIA Controlled Vocabulary Tool

Operate within the larger technical environment of Indiana University

Customize to be more appropriate to new MVA
The differences between EVIA and

...ed for multilingual interfaces for ann...cess

...ed for multilingual metadata, controlled vocabularies

...ore varied genres of video

...eo being described by archivists or creation by original creator

...ess focus on preservation; more on access
That we didn’t want

tightly coupled
Need to meet the needs of CAMVA
No flexibility

Parallel Software Development
i.e. CAMVA takes existing EVIADA co-
sts own development
what we decided to do

- Extend the Annotator’s Workbench
- Multilingual - start with Spanish but could support other languages
- Flexible window layout - different window layouts for different workflows
- Flexible data entry - different fields for different workflows
- New XML Schema supports extended Workbench
Design and Implementation:

Internationalization

Modularize the Annotator’s Workbench

Determine scope of customizability

- Fields
- Components
- Features

Create a means of expressing the customizability

- Layout XML Schema
Design Considerations: Fields

User interface must gracefully accept and handle inclusion or exclusion of fields. A largely manual process considering all possible combinations and looking at the user interface metadata and annotation must be used when not exposed to the user in the interface.
Design Considerations: Components

generalization of our component configuration minimally support the current EVIA layout proposed CAMVA layout
Components can be internal windows
Components can have relative sizes or sizes
Components must fit into an arbitrarily container (the main application window)
Design Considerations: Componer

Unable to find standard solutions to alignment and formatting problems

Predefined layouts for Java were unsuitable.

HTML doesn’t deal with the same issue.

Doesn’t seem to be any standard model of layout configuration.
Sign Considerations: Components

In anchored components are laid out sequentially in blocks that are anchored to one side of the remaining formatting area.

Floating components are placed in their percentage-based position. Minimum sizes for floating component override layout specification.
QuickTime™ and a H.264 decompressor are needed to see this picture.
rent and future work

Video standards defined
Developer hired (Gulshan Patil)
Work begun on making Annotator’s World multilingual
Meeting with Member Institutions planned for Summer 2007
Define user needs for Annotation Process
Define user needs for Controlled Voca