Open Source ILIAS Plugin: Interactive Videos

Research Project: Windows for Continuing Education
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Agenda

I. Background and Goals
II. Demo I: Playback and Features
III. Demo II: Editing Interactive Videos
IV. Prospects
I. Background and Goals
E-Learning @ Uni Freiburg

- LMS: open source software ILIAS (www.ilias.de) + plugins (Etherpad, LiveVoting,...)

- ~ 25,000 students
- ~ 6,000 employees
- ~ 2,000 courses on ILIAS per semester

- 2 ILIAS servers: curricular vs. continuing education programmes
- Online meeting server connected with ILIAS: Adobe Connect
Goals for handling videos

- **break up passive consuming** of video material
- **collaborative approach** to watching videos
- **annotation** „within“ a video done by instructors and students (private and „public“ notes)
- **feedback opportunities**
  - for instructors on **learners‘ state of knowledge**
  - for learners to **post questions** and, for example, to point out **difficult passages**, …
- **no extra tool** – full integration in LMS **ILIAS**
Specification

- new Repositoryobject „Interaktive Video“
- Playback using the default ILIAS mediaplayer (mediaelement.js)
- Videosource: Upload of media file (mp4 / mov + h.264, ogv, webm, mp3, …)
- open source plugin for ILIAS
II. Demo 1

Playback of interactive elements
Features

- show questions as overlay during video playback
  - 3 types: Single Choice, Multiple Choice, self-reflexion (no answers)
  - CSV export of learner results
  - optional: repeat question, limit number of tries
- textual feedback and feedback jump points for passed and failed questions
- simple annotation during playback (private and public, separate overview / editing)
III. Demo 2

Editing of interactive elements
IV. Prospects
Current state and future prospects

- published the plugin on www.ilias.de in July 2015
- further development by the ILIAS Community → crowd funding
- **goal**: integrate the functionality as a core feature of ILIAS → sustainability
That’s it!

Thank you for your attention!

Which questions came to your mind?

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