



TV-Anytime Metadata Editing & Visualization Tool

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Overview

Purpose of this tool

To create and edit metadata compliant with the metadata specification of the TV Anytime Forum

To visualize the structural and semantic aspects of metadata effectively

- By incorporating XML and media handling technology

To support various kinds of inter-operations between metadata and related program

- Providing convenient environments to users

Functions & Features

Based on the normative specification of TV Anytime Forum metadata

Visualization of XML-based metadata structure and contents

Contents visualization and editing of various forms (text, spreadsheet, HTML forms) of XML metadata

Hybrid visualization of XML/XML Schema structure

Inter-operation between metadata and media process modules

By segment locations in time line

Access to media and continuous play of discontinuous intervals

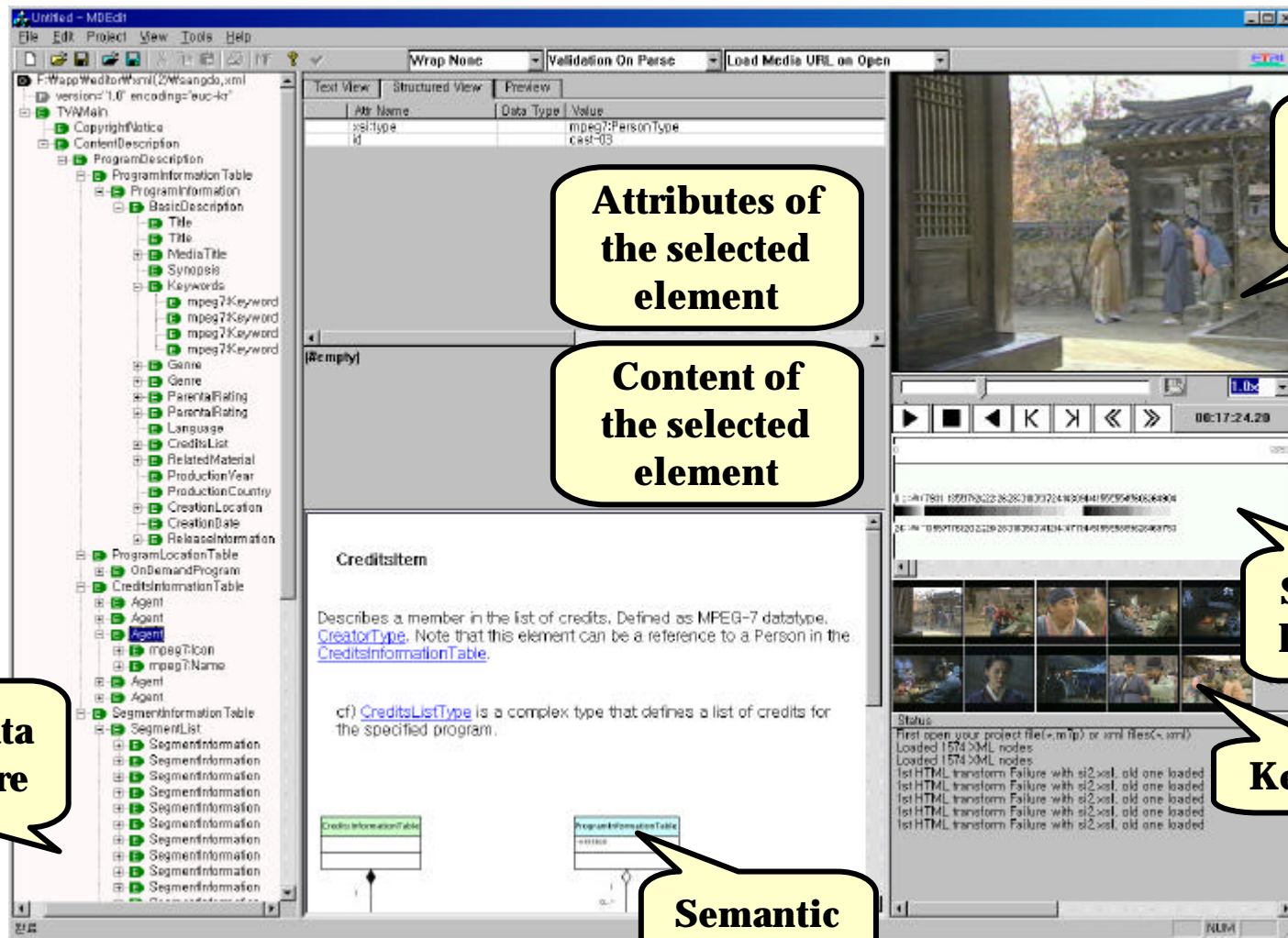
Basic VCR functions including random access, play, fast-forward and reverse play

Continuous play of highlights (segments)

Exporting/importing to/from the MPEG-7 compliant metadata (to be supported)

User-oriented editing - WYSIWYG(What you see is what you get)
- environments

Structural view of the tool



Attributes of the selected element

Content of the selected element

Media play control

Segment locations

Keyframes

Metadata Structure

Semantic details

Visualization view of the tool

The screenshot displays the MEdt tool interface. On the left is a file explorer showing the XML structure of the metadata. The central pane shows a 'Table of Contents' (ToC) visualization, which is a tree structure of video segments. Each segment is represented by a thumbnail and a title, such as '1. 상도Intro', '2. 광고', '3. 지난 이야기', '4. 전만부', '4.1 시골', '4.2 전차수의 대화', '4.2.1 한양홍삼', and '4.2.2 홍삼'. A yellow callout box with a black border points to the '3. 지난 이야기' segment, containing the text 'Metadata visualization (eg. ToC)'. To the right is a video player showing a scene with a woman in a red and white traditional Korean dress. The bottom right corner contains a status window with technical details like 'Loaded 1574 XML nodes' and '1st HTML transform Failure with si2.xsl, old one loaded'.

Applications

Generating and editing tool of metadata related to broadcasting program

To provide search and browsing based on ECG

Contents browser based on description

Broadcasting contents archiving system of huge volume

Demonstration

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Thank you for listening