Requirements for the SCF Module SRTXML2TTML

Contents

Disclaimer

Structure of the requirements

The structure of the requirements is as follows:

- **Title:** a short title, prepended with the internal ID of the requirement
- **Description:** the requirement text. The specified text will be used to test the implementation.
- **Area:** Apart from more general requirements the requirements are categorized by modules (e.g. `STLXML2EBU-TT` or `EBU-TT2EBU-TT-D`)
- **Requirement Review Status:** This is the internal review status of the requirement itself (especially of the requirement text).
- **Status Implementation:** This status indicates if the requirement is already met by the implementation. The possible status codes are:

  - *outstanding* - the corresponding code has not yet been written, or the requirement has been implemented but there are no test files for it
  - *waitingReview* - the code to implement the requirement has been written but nobody (except the developer) has reviewed the code yet
  - *underReview* - the corresponding code is under review and has not yet been accepted by the first reviewer
  - *reviewed* - the corresponding code has been reviewed and accepted by the first reviewer
  - *accepted* - the corresponding code has been accepted by the developer team and is ready to be published

- **Priority according to MoSCoW:** the priority that is the base to decide when the feature will be implemented. The possible values are:

  - *M* - must
  - *S* - should
  - *C* - could
  - *W* - won't

  For more information see: https://en.wikipedia.org/wiki/MoSCoW_method

Requirements for Sub-module SRTXML2TTML

requirement-750: Extending a TTML template document

Description

A TTML template document has to be provided for the conversion, in addition to the SRTXML input document. The (single) tt:div element of the template document has to consist of a single tt:p element with a single tt:span child element. The template document is used as a basis for the conversion result. Basically all nodes from this template document are mapped 1:1 to the output document, except the actual subtitles. The differences to a plain 1:1 mapping are defined by further requirements.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-751: template parameter

Description

There is a parameter, e.g. named "template", to specify the location of the TTML template document to be used. The default is a template compliant to the EBU-TT-D-Basic-DE profile, having a text color of White. This template has to be provided together with the SCF.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-752: subtitle element mapping

Description

A subtitle element of the input document is mapped to a tt:p element in the output document. In the output document the resulting tt:p elements replace the single tt:p element of the TTML template document.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-753: Template document tt:p attributes mapping

Description

All existing attributes of the single tt:p element of the TTML template document are copied to each created tt:p element of the output document. Hereby the following attributes are ignored, if present: begin, end, dur, xml:id.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-754: id element mapping

Description

The id child element of a subtitle element of the input document is mapped to the xml:id attribute of the corresponding tt:p element of the output document. Hereby the value is prefixed by the value of the xml:id attribute of the single tt:p element of the TTML template document, if not empty. Otherwise the default prefix "sub" is used instead.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-755: begin element mapping

Description

The begin child element of a subtitle element of the input document is mapped to the begin attribute of the corresponding tt:p element of the output document. Hereby the decimal separator is converted from "," to ".".

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-756: end element mapping

Description

The end child element of a subtitle element of the input document is mapped to the end attribute of the corresponding tt:p element of the output document. Hereby the decimal separator is converted from "," to ".".

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-757: line element mapping - text

Description

Any line element of a subtitle element of the input document is mapped to a tt:span child element of the corresponding tt:p element of the output document. Hereby only the value of all descendant text nodes is considered and hence merged into the aforementioned tt:span element. Any other descendant nodes of the line element are discarded.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-758: line element mapping - line breaks

Description

As every line element of the input document corresponds to a distinct text line, a line break in form of a tt:br element has to be inserted between every two adjacent tt:span elements in the output document.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-759: Template document tt:span attributes mapping

Description

All existing attributes of the single tt:span element of the TTML template document are copied to each created tt:span element of the output document. Hereby the following attributes are ignored, if present: begin, end, dur, xml:id.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m

requirement-760: language parameter

Description

There is a parameter, e.g. named "language", to specify the general language of the subtitle content in the output document i.e. the value of the xml:lang attribute on the tt:tt element of the output document. Otherwise the respective attribute value from the TTML template is used instead.

Area

SRTXML2TTML

Requirement Review Status

accepted

Status Implementation

accepted

Priority according to MoSCoW

m