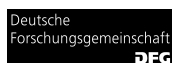


MUSIKWISSENSCHAFTLICHES SEMINAR
DETMOLD/PADERBORN

DETMOLDER HOFTHEATER PROJEKT

Theatre Tool
Systems Design

Version for Detmolder Hoftheater Projekt and for general Version
<https://github.com/Detmolder-Hoftheater/TheaterTool/tree/master/add/docu>



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Part I.

Introduction

The tool is designed for visualizing, loading and searching archived information e.g for theatre in defined time period. The Informations are encoded in the formats of the Text Encoding Initiative (TEI) and Music Encoding Initiative (MEI) and saved in the XML-Database. Database structure and time period can be defined in the property files.

Part II.

User Interface Design

The User interface contains three parts: toolbar with search functions, navigation tree and tabview.

1. Toolbar

Layout



Figure 1: Tool Bar

Action Paths and Results

1. Select an item in "Tabs anordnen" combobox —> all opened tabs will be reordered; default: "Stapeln". (disabled)
2. Select an item in "Tab duplizieren" button —> selected tab will be duplicated. (disabled)
3. Select an item in "Tabs Reuhnfolge" combobox —> selected tab will be activated; alternative navigation - with arrows. (disabled)

4. Select an item in "Filter" combobox and enter search term in search field -> select search icon -> a new tab will be opened with search results.
5. Select "Erweitert" button -> a window will be opened for enter search filters. (disabled)
6. Select an item in "Hilfe" combobox:
 - a) "Data Relation" —> open a windows with data relations diagram;
 - b) "Documentation" —> open a new browser tab with systems design document.

1.1. Simple Search

Simple search function contains a filter field (work title, person name or roles) and search field with search icon as button.

Action Paths and Results

1. Select an item in "Filter" combobox and search field is empty -> select search icon -> a new tab will be opened with all persons or works.
2. Select an item in "Filter" combobox and enter optionally search term in search field -> select search icon -> a new tab will be opened with search results.
3. An item in "Filter" combobox is not selected and search term in search field is entered or empty -> select search icon -> a information window will be opened: "Please select the searchfilter!"
4. If search field are not empty -> select "x" -> clear search field.

Validation and Constraints

1. "Filter" in combobox should be set;
2. Upper case and lower case are equal;
3. For all person names variants and for all work title variants will be searched.

1.2. Extended Search

This function is disabled.

2. Navigation Tree

The Navigation Tree contains two subtrees preliminary called: "Spielbetrieb" and "Verwaltung". The "Spielbetrieb" subtree contains information about the theater and its public relations work. The "Verwaltung" tab contains any information about the inside organization of the theater.

Layout

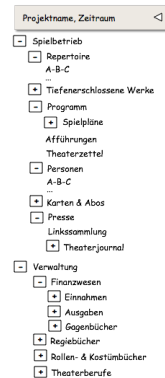


Figure 2: Navigation Tree

Action Paths and Results

1. Click for any end-node —> a new tab will be opened. If one tab for clicked item is opened -> this tab will be activated.
2. Click to arrow in title bar -> navigation tree will be hide.
3. If navigation tree is hidden, click to title bar -> navigation tree will be opened for item selection; select an item and cklick to section field -> navigation tree will be hide again. Click arrow to open the navigation tree.

Validation and Constraints

For general version will be shown subset of this futures. Theay are described in db-Structure.xml file for general Version (https://github.com/Detmolder-Hoftheater/TheatreTool_1-Dev)

1. "Projectname" and "Timeslot" will be generated from property file: dbStructure.xml.
2. "Repertoire" tabs: show all works with all title variants in alphabetic order.
3. "Tiefenerschlossene Werke" tabs: show all works from extendedWorks.xml.
4. "Spielpläne" end nodes are years generated from property file: dbStructure.xml.
5. "Persenen" tabs: show all persons with all name variants in alphabetic order.
6. "Rollen" tabs: show all roles with all name variants in alphabetic order.

7. "Presse" end nodes are names generated from folder defined in property file: db-Structure.xml.
8. "Einnahmen", "Ausgaben" and "Bestandverzeichnisse" end nodes are years generated from property file: dbStructure.xml.
9. "Abonnements", "Gagenhefte", "Taxations", "Regiebücher" and "Rollen- & Kostümbücher" end nodes are names generated from folder defined in property file: db-Structure.xml and "title" in the datafile.

Data sources and targets

Sources	getDBStructure.xml getTheaterData.xml getBestandMenu.xml getRegieMenu.xml getTaxMenu.xml getRollenKostuemMenu.xml getGagenMenu.xml getAboMenu.xml getJournalMenu.xml
---------	--

3. Tab View

Execution

One click for end node in navigation tree, or click link in relation data fields in sections, or click in search result table row a new closable tab will be opened. If one tab for clicked item is opened -> this tab will be activated.

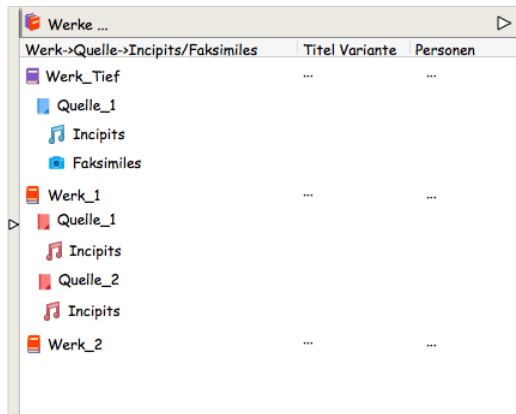
3.1. Repertoire Tab

Execution

Click for "Repertoire" end-node in navigation tree —> a new tab will be opened. Tab contains a content section and navigation tree.

If one tab for clicked item is opened -> this tab will be activated.

Layout



Werk->Quelle->Incipits/Faksimiles	Titel Variante	Personen
Werk_Tief
Quelle_1		
Incipits		
Faksimiles		
Werk_1
Quelle_1		
Incipits		
Quelle_2		
Incipits		
Werk_2

Figure 3: Repertoire Tab

Widgets description

Table tree contains two columns: "Werk -> Quelle -> Beschreibung/Incipits/Faksimiles" and "Personen".

First column

Show works with one or more sources. Sources are optional.

Second column

Show all persons for this work. Persons are optional.

Action Paths and Results

1. Click for one work or source —> a new section will be opened.
2. Select "Incipits" item-> a section with incipit will be shown.
3. Select one "Incipit" item-> a window with selected incipit will be opened.
4. Select "Faksimiles" item-> a section with faksomiles will be shown.
5. Select "Beschreibung" item-> a section with source overview will be shown.
6. Click to arrow in title bar or right side arrow from tree -> navigation tree will be hide.
7. If navigation tree is hidden, click to title bar -> navigation tree will be opened for item selection; select an item and cklick to section field -> navigation tree will be hide again. Click arrow to open the navigation tree.

Validation and Constraints

Work titles are alphabetical sorted. "The", "Der", "Die", "Das", "Le", "La", "L'" are ignored.

Data sources and targets

Sources	getWorks.xql getWorkOverview.xql getSource.xql getSorceDetails.xql getOverview.xql getIncipit.xql getIncipitsXML.xql getZones.xql get Images from server defined in extendedWorks.xml
---------	---

3.1.1. Work Section

Execution

Click for one work in "Repertoire" tab navigation tree —> one section will be opened.

Layout

Werk: ...

XML ansehen

XML laden

Titel Varianten

Einheitstitel (sprache): ...

Titel (sprache): ...

Alternativtitel (sprache): ...

Untertitel (sprache): ...

...

Personen

Beruf/Funktion: Name

Beruf/Funktion: [Name](#)

...

Allgemeine Informationen

[Werkinformationen auf der Deutschen Nationalbibliothek Seite](#)

[Werkinformationen auf der Weber-Gesamtausgabe Seite](#)

Sprache(n):

Besetzung:

Entstehung:

Beschreibung:

Aufführungen

Event	Datum	Ort	Stadt

Spielpläne

Jahr	Monat
...	Monat

Einnahmen

Jahr	Monat
...	Monat

Theaterjournale

[Jahr](#)

Ausgaben

Jahr	Monat
...	Monat

Regiebücher

[Regiebuch](#)

Rollen- & Kostümbücher

[Rollen- und Kostümbuch](#)

Figure 4: Work Section

Widgets description

Work section contains following sections: "Titel Varianten", "Personen", "Allgemeine Informationen", "Uraufführung", "Referenzen in Spielbetireb und Verwaltung" shown in Relationdiagram .

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content.
3. Select icon ∞ -> a window will be opened for copy permalink content.
4. Click on name link in „Persons“ section a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.
5. Click on extern link in „Generally Information“ section a new browser tab with detailed information will be opened. Extern links are "Deutsche Nationalbibliothek" and "Weber-Gesamtausgabe".
6. Click on link in „Spielpläne“, „Einahmen“, "Ausgaben", "Bestandverzeichnisse", "Regiebücher", "Taxation", "Tagesberichte", "Rollen- & Kostümbücher" table a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Validation and Constraints Only exists data fields will be show.

Data sources and targets

Sources	getXML.xql getPersonOverview.xql getMonthsForSelectedYear.xql getSceduleTable.xql getMonthsForRevenueYear.xql getRevenueTable.xql getIssueNames.xql getIssueTable.xql getRegieContent.xql getBestandContent.xql getDailyReportNames.xql getDailyReportTable.xql getRoleCostumContent.xql getTaxContent.xql
---------	---

3.1.2. Source Section

Execution

Click for "Quelle" in "Repertoire" tab navigation tree —> one section will be opened.
Click for "Beschreibung" in "Repertoire" tab navigation tree —> one section for source overview will be opened. Click for "Incipits" in "Repertoire" tab navigation tree —> one section with incipits will be opened. Click for "Facsimiles"-Item in "Repertoire" tab navigation tree —> one section with facsimilies will be opened.

Layout

Quelle: ...

XML ansehen

XML laden

Übersicht

Details

Titel: ...

Titel Varianten (Werk)

Einheitstitel (sprache): ...
Titel (sprache): ...
Alternativtitel (sprache): ...
Untertitel (sprache): ...
...

Personen

Beruf/Funktion: Name
Beruf/Funktion: [Name](#)
...

Allgemeine Informationen

[Informationen auf der Répertoire International des Sources Musicales \(RISM\) Seite](#)
Bibliotheken:
Provenienz:
Entstehung:
Beschreibung:

Aufführungen

Event	Datum	Ort	Stadt
-------	-------	-----	-------

Figure 5: Source Section

Quelle: ...
XML ansehen
XML laden

Übersicht
Details

Titel	Signatur
Titel_1	...
Titel_2	...
...	...

Personen

Name

[Name](#)

...

Allgemeine Informationen

Inhalt:

Anmerkungen:

Sprache(n):

Entstehung:

Beschreibung:

Aufführungen

Event	Datum	Ort	Stadt
-------	-------	-----	-------

Physikalische Daten

Titelseite(n):

Umschlag

Schreiber

Zustand:

Inventarnummer:

Umfang:

Format:

Figure 6: Single Source Section

Widgets description

Source section contains two tabs: source and single sources (Details/Einzelquellen).

Source tab contains following sections: "Titel", "Titel Varianten (Werk)", "Personen", "Allgemeine Informationen".

Single Sources tab contains following sections: "Physikalische Daten", "Darsteller" and "Allgemeine Informationen".

Action Paths and Results

1. Select button "Show XML" -> a window will be opened with xml content.
2. Select button "Load XML" -> a window will be opened for save xml content. (disabled)
3. Click on name link in „Persons“ section a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Source tab Click on external link in „Generally Information“ section a new browser tab with detailed information will be opened. External link is "Repertoire International des Sources Musicales" (RISM).

Validation and Constraints

Only exists data fields will be show. If Incipits, "Beschreibung", facsimilies are exist, in repertoire tab navigation tree for each one item will be shown.

Data sources and targets

Sources	getXML.xql getPersonOverview.xql getOverview.xql getIncipit.xql getZones.xql
---------	--

3.2. Spielpläne Tab

Execution

Click for "„Spielplan“" end-node in navigation tree —> a new tab will be opened. For each exists month one closable section will be created. If one tab for clicked item is opened -> this tab will be activated.

Layout

Date	Performances
...	Title_1, Personname
...	Title_2
...	...

Facsimile(s)

Page < 1 of ...

Figure 7: Spielpläne Tab

Widgets description

Name	Mandatory/Optional
Settlementl	O
Date Column	O
Performances Column	O

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Validation and Constraints

Section can contains a facsimile area. Facsimile area show one or more pages.

Data sources and targets

Sources	getMonthsForSelectedYear.xql getScheduleTable.xql getWorkOverview.xql getPersoneOvervoew.xql
---------	---

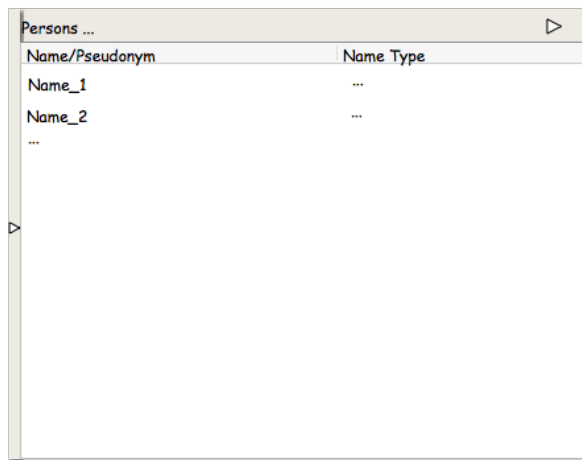
3.3. Personen Tab

Execution

Click for "„Persons“" end-node in navigation tree —> a new tab will be opened. Tab contains an detailed information section and navigation tree.

If one tab for clicked item is opened -> this tab will be activated.

Layout



Persons ...	
Name/Pseudonym	Name Type
Name_1	...
Name_2	...
...	

Figure 8: Navigation in Personen Tab

Person: ...

Show XML

Load XML

Name Types

Regular:
Full:
Alternative:
Pseudonym(s):

Generally Information

[Deutschen Nationalbibliothek Page](#)
[Weber-Gesamtausgabe Page](#)
[Virtual International Authority File](#)

Male/Female
Date of Birth
Date of Death
Summary:

Occupation

Date	Function

Residance(s)

Date	City

Play Operations and Management

Works

Source
Work_1

Sources

Source
Source_1

Expenses

Year	Months
...	Month

Revenues

Year	Months
...	Month

Press

Title
...

Feebooks

Title
...

Figure 9: Personen Tab

Widgets description

Navigation tree show persons sorted alphabetical. detailed information section contains "Name Types", "Generally Information" and references in "Werken", "Quellen", "Rollen- & Kostümbücher", "Rollen", "Tagesberichte", "Taxation", "Bestand", "Journal", "Regiebücher", "Gagenhefte", "Einnahmen", "Ausgaben", "Spielpläne".

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link in navigation tree -> a section detailed information will be opened.
4. Click on name link in tables -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.
5. Click on extern link in „Generally Information“ section a new browser tab with detailed information will be opened. Extern links are "Deutsche Nationalbibliothek", "Weber-Gesamtausgabe" and "Virtual International Authority File".

Validation and Constraints

Only exists data fields will be show.

Data sources and targets

Sources	getPersonsForSelection.xql getPersonOverview.xql getMonthsForSelectedYear.xql getSceduleTable.xql getMonthsForRevenueYear.xql getRevenueTable.xql getIssueNames.xql getIssueTable.xql getRegieContent.xql getBestandContent.xql getDailyReportNames.xql getDailyReportTable.xql getRoleCostumContent.xql getTaxContent.xql getWork.xql getWorkOverview.xql getSource.xql getSourceDetails.xql getRoleOverview.xql getJournalContent.xql getGageContent.xql
---------	--

3.4. Rollen Tab

Execution

Click for "„Rollen“" end-node in navigation tree —> a new tab will be opened. Tab contains an detailed information section and navigation tree.

If one tab for clicked item is opened -> this tab will be activated.

Widgets description

Navigation tree show rolles sorted alphabetical. detailed information section contains workname, rollenname variations, overview and references in sources.

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Validation and Constraints

Only exists data fields will be show.

Data sources and targets

Sources	getRoleForSelection.xql getRoleOverview.xql getWorkOverview.xql getPersonOvervoew.xql
---------	--

3.5. Presse Tab

Execution

Click for "„Presse“" end-node in navigation tree —> a new tab will be opened. For each exists year one closable section will be created.

If one tab for clicked item is opened -> this tab will be activated.

Layout

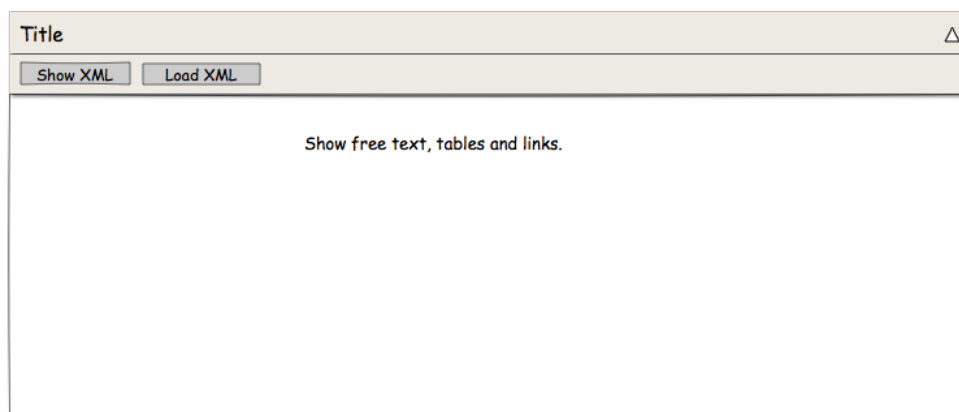


Figure 10: Presse Tab

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getJournalContent.xql getJournalXML.xql getWorkOverview.xql getPersonOverview.xql
---------	--

3.6. Einnahmen Tab

Execution

Click for "Einnahmen" end-node in navigation tree —> a new tab will be opened. For each exists month one closable section will be created. Section can contains a facsimile area. Facsimile area show one or more pages.

If one tab for clicked item is opened -> this tab will be activated.

Layout

The screenshot displays a web application interface for the 'Einnahmen Tab'. At the top, there is a header bar with the title 'Expenses Title' and a close button (triangle icon). Below the header, there are two buttons: 'Show XML' and 'Load XML'. The main content area is divided into two sections. On the left, there is a table with three columns: 'Date', 'Informations', and 'Measure(s)'. The table contains three rows of data. The first row has '...' in the Date column, 'Title_1 ...' in the Informations column, and '...' in the Measure(s) column. The second row has '...' in the Date column, '... Title_2' in the Informations column, and '...' in the Measure(s) column. The third row has '...' in the Date column, '... Personname' in the Informations column, and '...' in the Measure(s) column. Below the table, there is a large empty rectangular area. On the right side of the main content area, there is a large rectangular area labeled 'Facsimile(s)'. At the bottom of this area, there is a pagination control showing 'Page 1 of ...' with a dropdown arrow next to the number 1. Below the main content area, there is a footer bar with the title 'Expenses Title' and a close button (triangle icon).

Figure 11: Einnahmen Tab

Widgets description

Name	Mandatory/Optional
Date Column	O
Information Column	O
Measure Column	O

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getIssueNames.xql getIssueTable.xql getWorkOverview.xql getPersonOverview.xql
---------	--

3.7. Ausgaben Tab

Execution

Click for "Ausgaben" end-node in navigation tree —> a new tab will be opened. For each exists month one closable section will be created. Section can contains a facsimile area. Facsimile area show one or more pages.

If one tab for clicked item is opened -> this tab will be activated. For both cases a new item in "History Tabs" combobox will be created.

Layout

Revenues Title

Show XML

Load XML

Date	Informations	Measure(s)
...	Title_1
...	... Title_2	...
...	... Personname	...

Facsimile(s)

Page < 1 ▾ > of ...

Revenues Title

...

Figure 12: Ausgaben Tab

Widgets description

Name	Mandatory/Optional
Date Column	O
Information Column	O
Measure Column	O

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getMonthsByRevenueYear.xql getRevenueTable.xql getWorkOverview.xql getPersonOverview.xql
---------	---

3.8. Abonnements Tab

Execution

Click for "Abonnements" end-node in navigation tree —> a new tab will be opened. For each end-node one closable section will be created.

If one tab for clicked item is opened -> this tab will be activated.

Action Paths and Results

1. Select button "Schow XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getAboContent.xql getAboXML.xql getWorkOverview.xql getPersonOverview.xql
---------	--

3.9. Gagenhefte Tab

Execution

Click for "Gagenhefte" end-node in navigation tree —> a new tab will be opened. For each "Gagenhefte" end-node one closable section will be created.

If one tab for clicked item is opened -> this tab will be activated.

%endfigure

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getGageContent.xql getGageXML.xql getWorkOverview.xql getPersonOverview.xql
---------	--

3.10. Taxation Tab

Execution

Click for "Taxation" end-node in navigation tree —> a new tab will be opened. For each exists Taxation one closable section will be created.

If one tab for clicked item is opened -> this tab will be activated.

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getRoleCostumContent.xql getRoleCostumXML.xql getWorkOverview.xql getPersonOverview.xql
---------	--

3.11. Bestandsverzeichnisse Tab

Execution

Click for "Bestandsverzeichnisse" end-node in navigation tree —> a new tab will be opened. For each exists month one closable section will be created.

If one tab for clicked item is opened -> this tab will be activated.

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)

3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getRoleCostumContent.xml getRoleCostumXML.xml getWorkOverview.xml getPersonOverview.xml
---------	--

3.12. Regiebücher Tab

Execution

Click for "Regiebücher" end-node in navigation tree —> a new tab will be opened. For each exists "Regiebücher" end-node one closable section will be created.

If one tab for clicked item is opened -> this tab will be activated.

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getRegieContent.xml getRegieXML.xml getWorkOverview.xml getPersonOverview.xml
---------	--

3.13. Rollen- & Costumbücher Tab

Execution

Click for "Role- & Costumbooks" end-node in navigation tree —> a new tab will be opened. For each exists Role- & Costumbooks" end-node one closable section will be created.

If one tab for clicked item is opened -> this tab will be activated.

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getRoleCostumContent.xml getRoleCostumXML.xml getWorkOverview.xml getPersonOverview.xml
---------	--

3.14. Tagesberichte Tab

Execution

Click for "Tagesberichte" end-node in navigation tree —> a new tab will be opened. For each exists month one closable section will be created. Section can contains a facsimile area. Facsimile area show one or more pages.

If one tab for clicked item is opened -> this tab will be activated.

Action Paths and Results

1. Select button "Show XML"-> a window will be opened with xml content.
2. Select button "Load XML"-> a window will be opened for save xml content. (disabled)
3. Click on name link for one person or on title for work -> a new tab with detailed information will be opened. If one tab for clicked item is opened -> this tab will be activated.

Data sources and targets

Sources	getRoleCostumContent.xml getRoleCostumXML.xml getWorkOverview.xml getPersonOverview.xml
---------	--

Part III.

Data Design

4. DB-Structure

Informations, presented as MEI-, TEI-, Image-, HTM-L or PDf-Files, are saved in database for types (e.g works, persons, sources, ...) . For Facsimiles exists are image order. Images will be shown with a Leaflet library. For this library images must be cut (one Tool, that will be implemented in Detmold: <https://github.com/Edirom/cutImages>). The Figure shows an example for database structure.

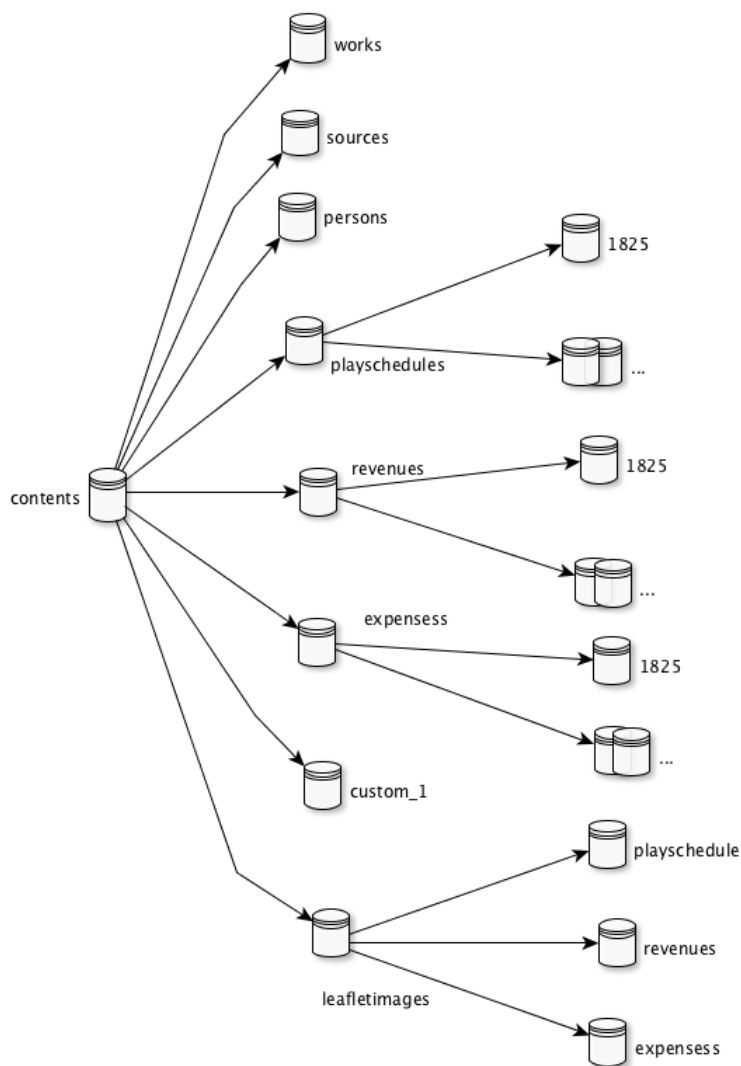


Figure 13: DB-Structure

5. Property-Files

A configuration file describe database structure and some project data for show information in GUI. File dbStricture.xml should be saved in xml-database in app/theater-data directory. Informations for key="custom" are saved as PDF or HTML other informations for defined entry-keys are saved as MEI or TEI. For details show an example configuration (https://github.com/Detmolder-Hoftheater/TheatreTool_1-Dev).

DB Structure File

<prefs>

```

<entries>
  <!--language: en = englishm de= deutsch-->
  <entry key="language" value="en"/>

  <!--Types of Navigation: "theatre", "other". For type "theatre"
    two items "Organization" and "Administration"-->
  <entry key="navigation_type" value="theatre"/>
  <entry key="name" value="Detmolder_Hoftheater"/>
  <entry key="startyear" value="1825"/>
  <entry key="endyear" value="1875"/>

  <!--Database paths. For each path one item in navigation tree
    will be generated.-->
  <!--If one item will be not shown in GUI the value is value="".-->
  <!--Key words are not changeable.-->
  <!--For more details please show "Systems Design" in help menu in
    toolbar.-->
  <!--DB paths for repertoire item. For show repertoire work path
    must be exist, other paths are optional.-->
  <entry key="works" value="theater-data-exs/works"/>
  <entry key="sources" value="theater-data-exs/sources"/>

  <!--Schedule paths are optional.-->
  <entry key="playschedule" value="theater-data-exs/spielplaene"/>
  <entry key="leafletimagesSchedule"
    value="theater-data-exs/leafletImages/spielplaene"/>

  <!--DB path for persons.-->
  <entry key="persons" value="theater-data-exs/persons"/>

  <!--DB path for revenue.-->
  <entry key="revenue" value="theater-data-exs/einnahmen"/>
  <entry key="leafletimagesRevenue"
    value="theater-data-exs/leafletImages/einnahmen"/>

  <!--DB path for expenses.-->
  <entry key="expenses" value="theater-data-exs/ausgaben"/>
  <entry key="leafletimagesExpenses"
    value="theater-data-exs/leafletImages/ausgaben"/>

  <!--Definition of one or more custom navigation items. Value is
    name for navigation item.-->
  <entry key="custom" value="Books"
    dbPath="theater-data-exs/info"/>

```


</entries>
</prefs>

6. MEI and TEI Subsets

The GUI shows data that will be coded in MEI- or TEI-Format. Following structure for files will be support. For details show an example configuration (https://github.com/Detmolder-Hoftheater/TheatreTool_1-Dev).

6.1. Works

Works are coded in MEI format.

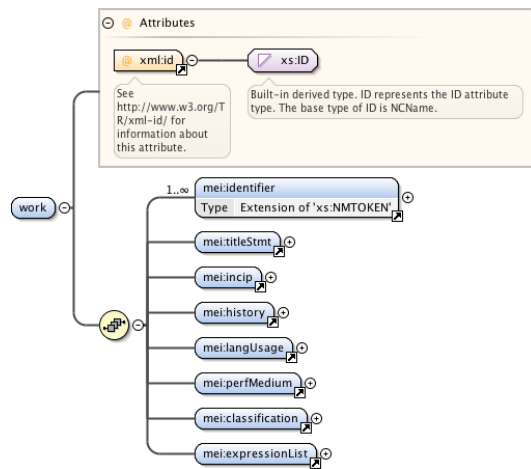


Figure 14: Subsets for works: overview

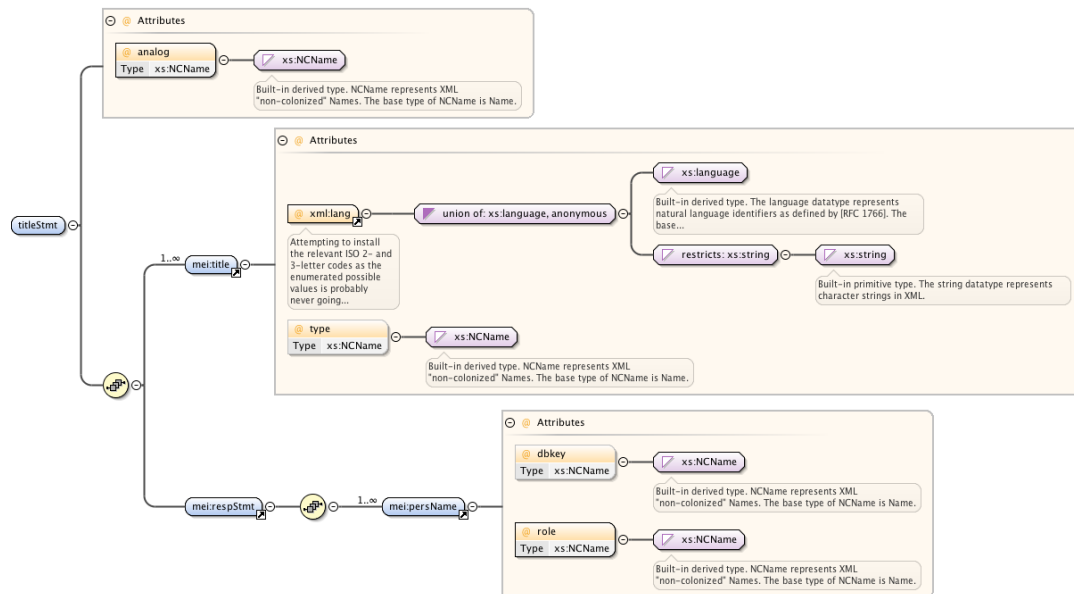


Figure 15: TitleStmt Block

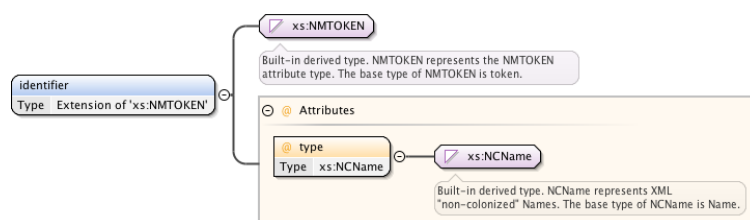


Figure 16: Identifier Block

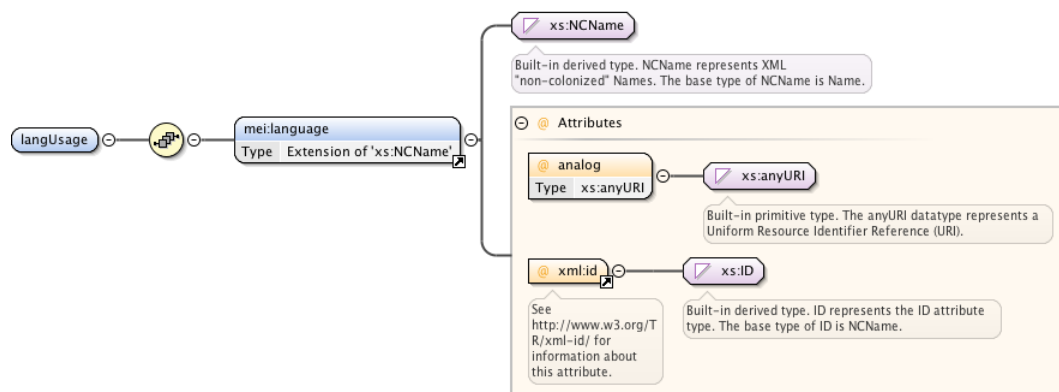


Figure 17: Language Block

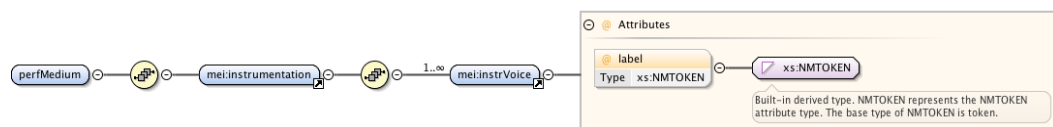


Figure 18: PerfMedium Block

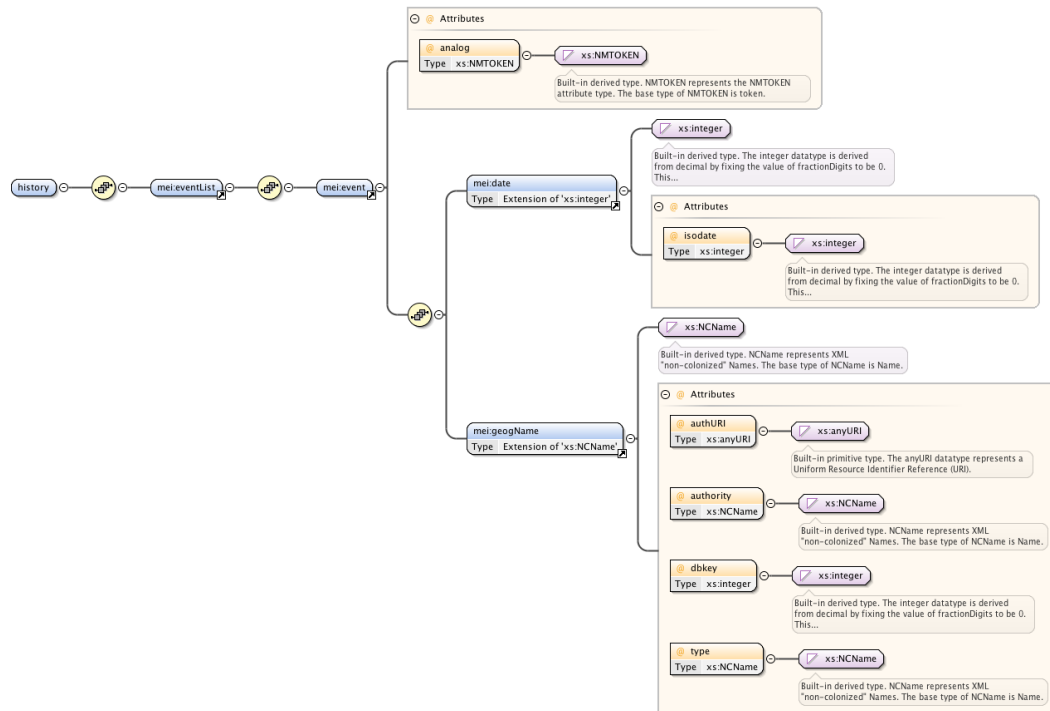


Figure 19: History Block

6.2. Sources

Sources are coded in MEI format.

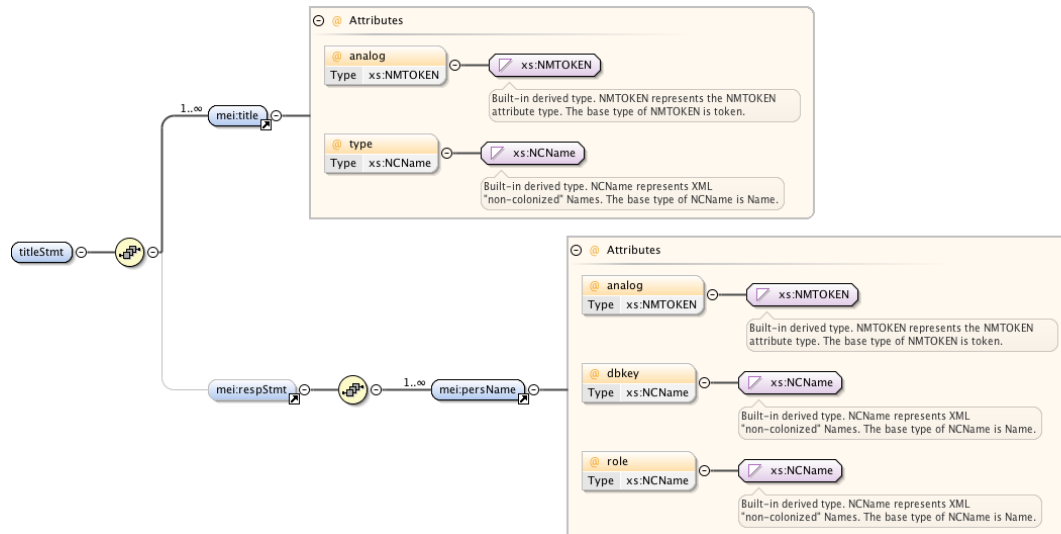


Figure 22: Sources: TitleStmt Block

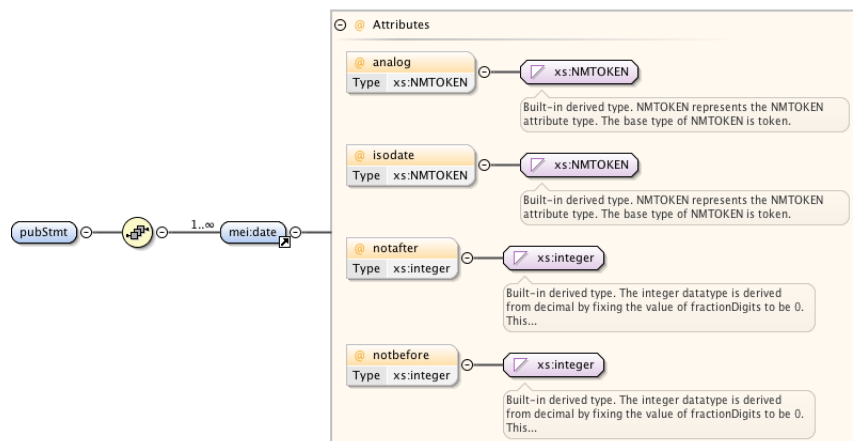


Figure 23: Sources: PubStmt Block

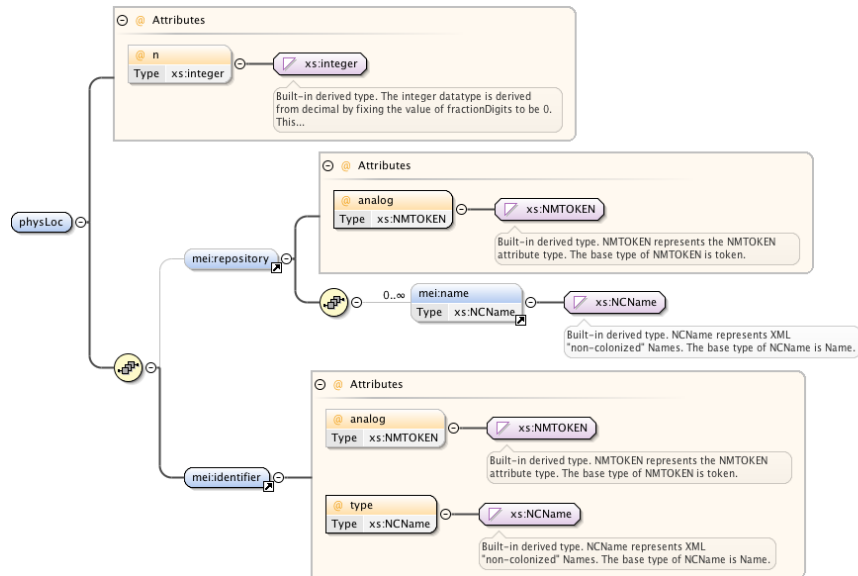


Figure 24: Sources: PhysLoc Block

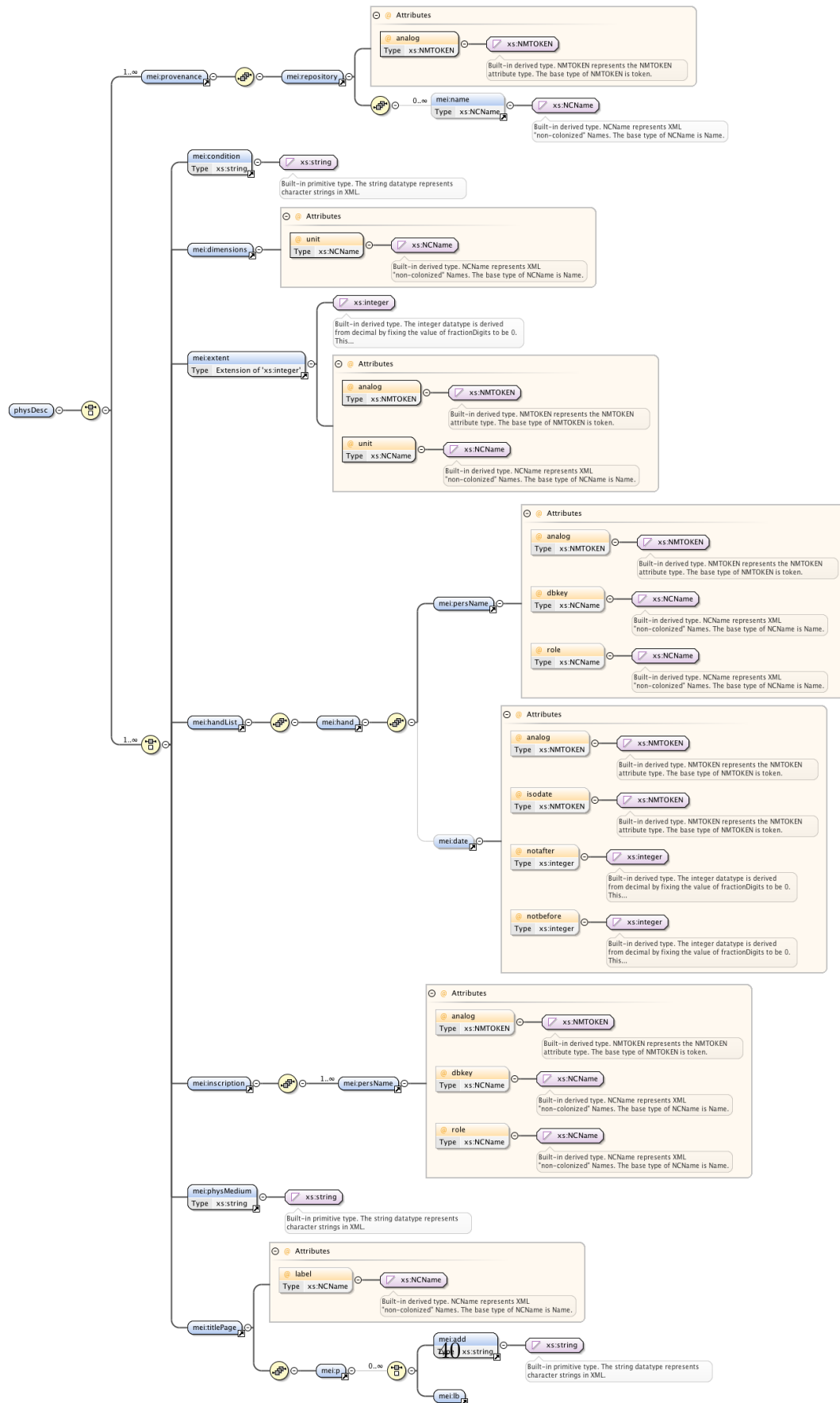


Figure 25: Sources: PhysDesc Block

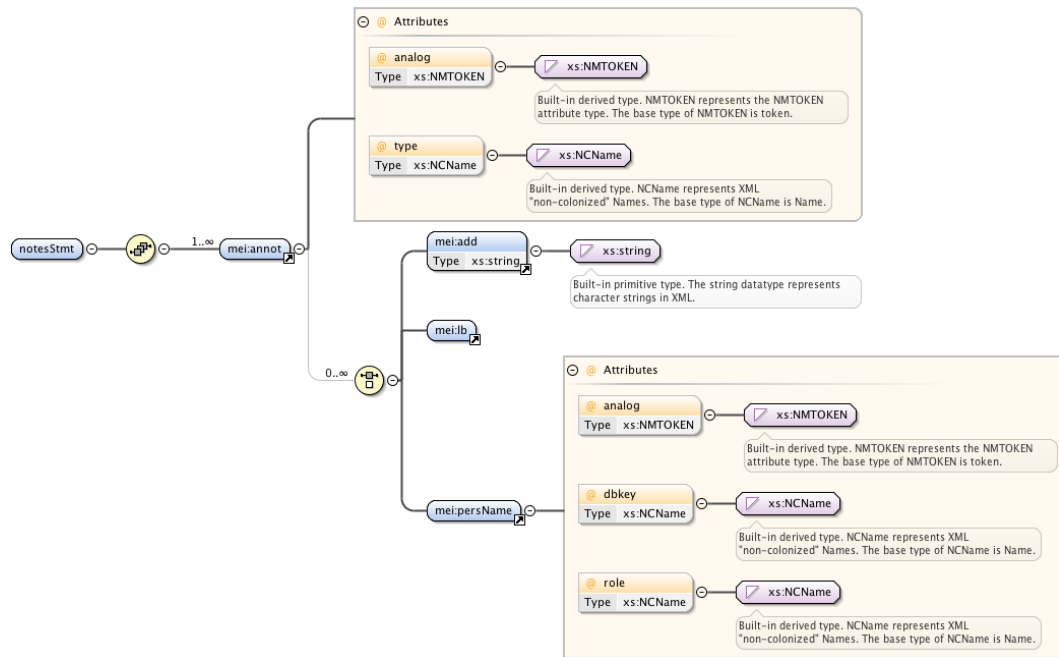


Figure 26: Sources: NotesStmt Block

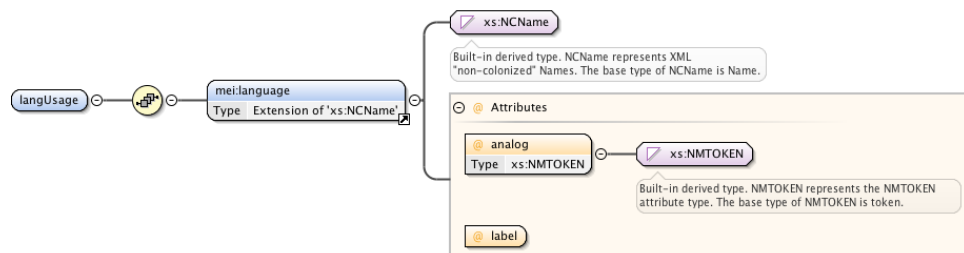


Figure 27: Sources: LangUsage Block

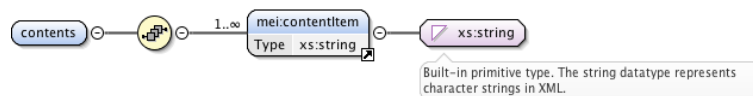


Figure 28: Sources: Contents Block

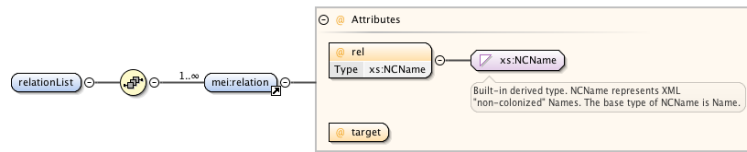


Figure 29: Sources: RelationList Block

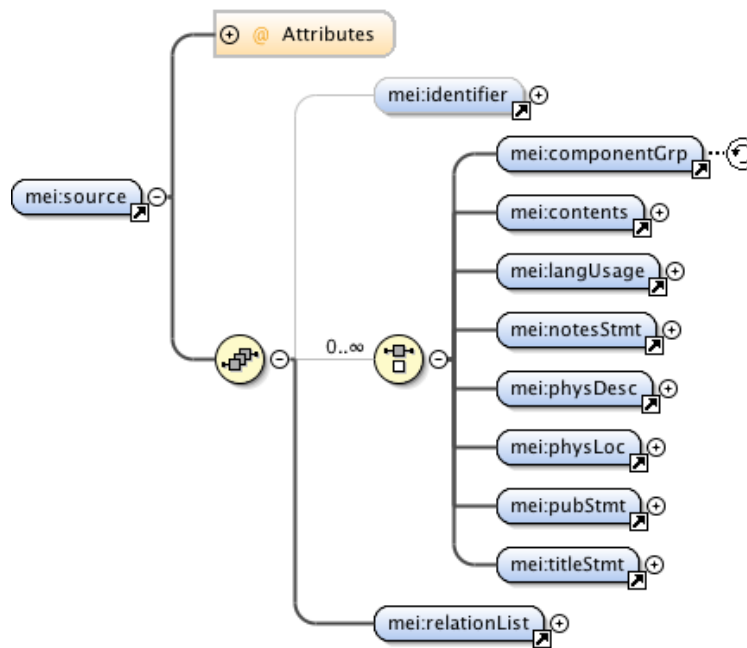


Figure 30: Sources: Single Source Block

6.3. Persons

Persons are coded in MEI format.

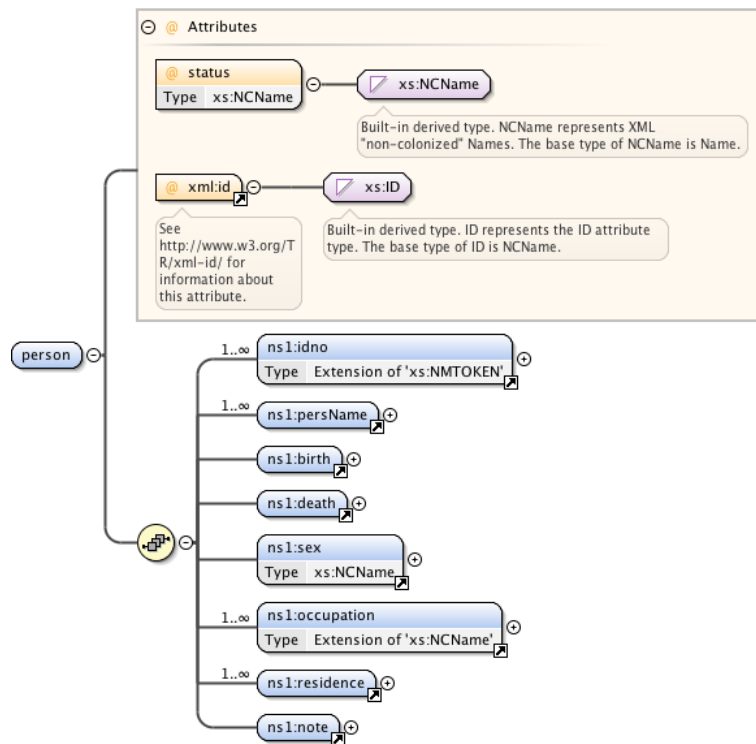


Figure 31: Persons: Overview

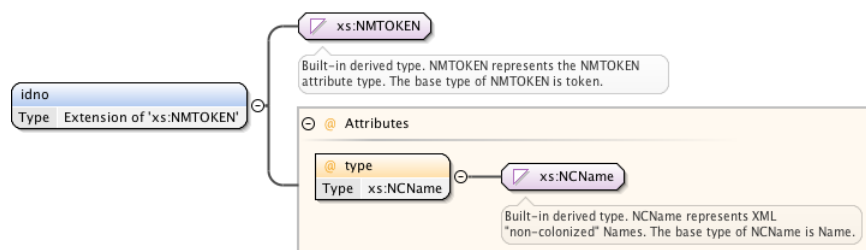


Figure 32: Persons: Idno Block

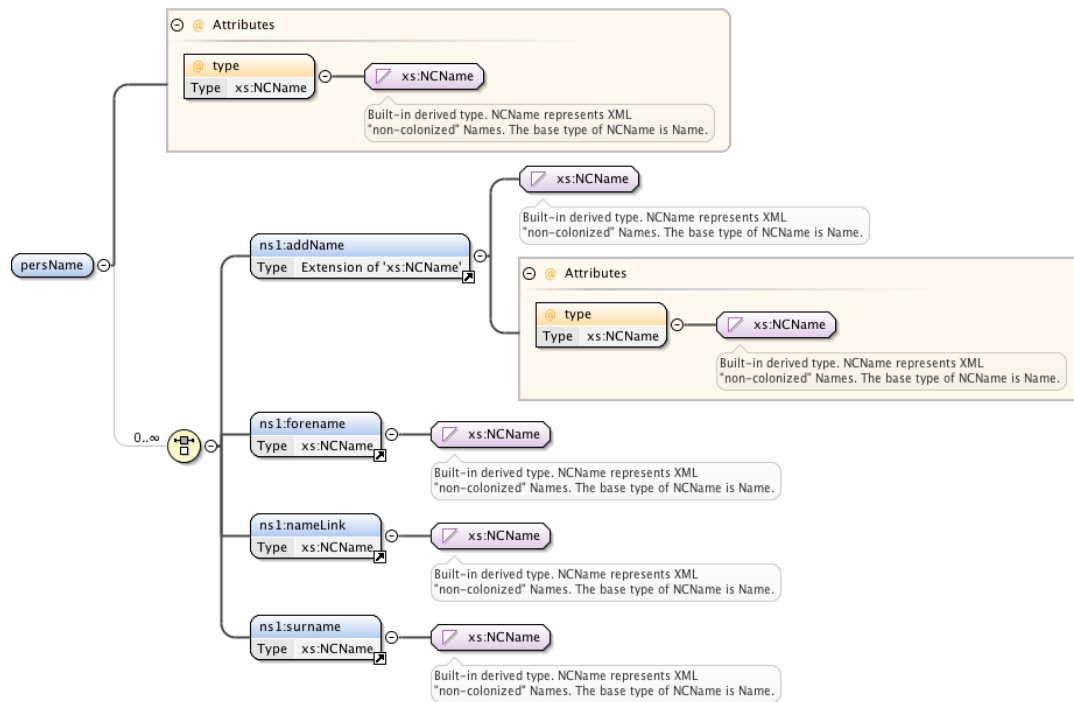


Figure 33: Persons: Name Block

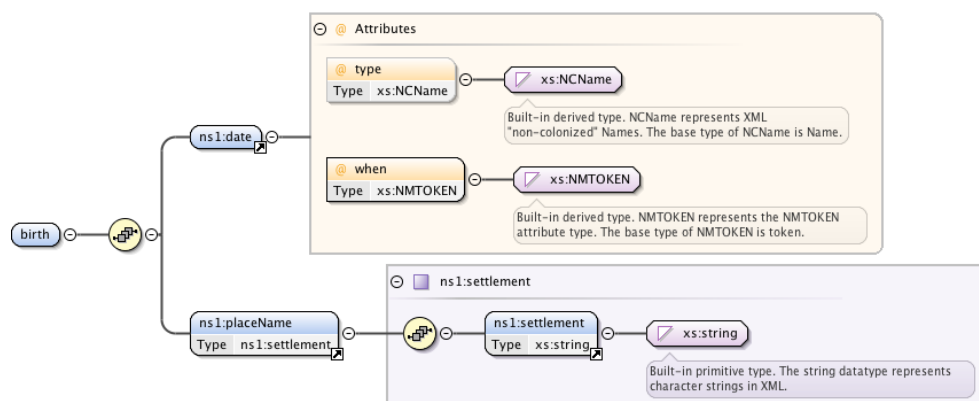


Figure 34: Persons: Birth Block

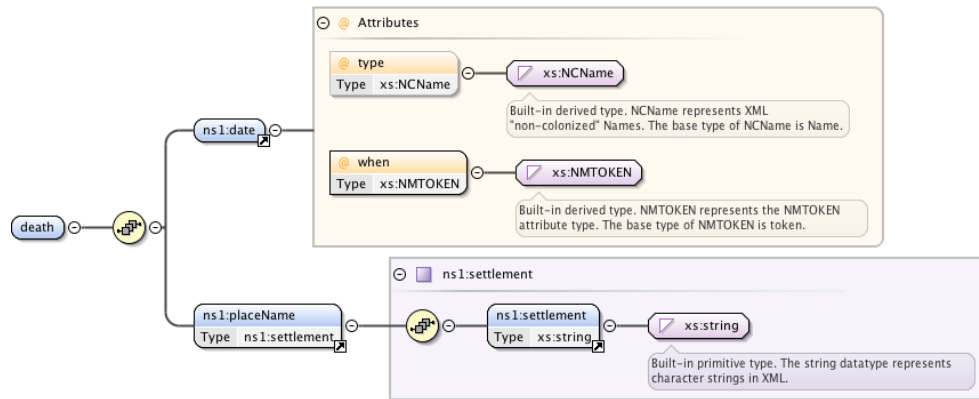


Figure 35: Persons: Death Block

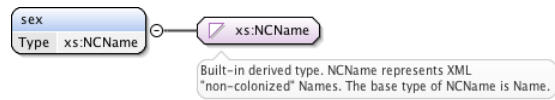


Figure 36: Persons: Gender Block

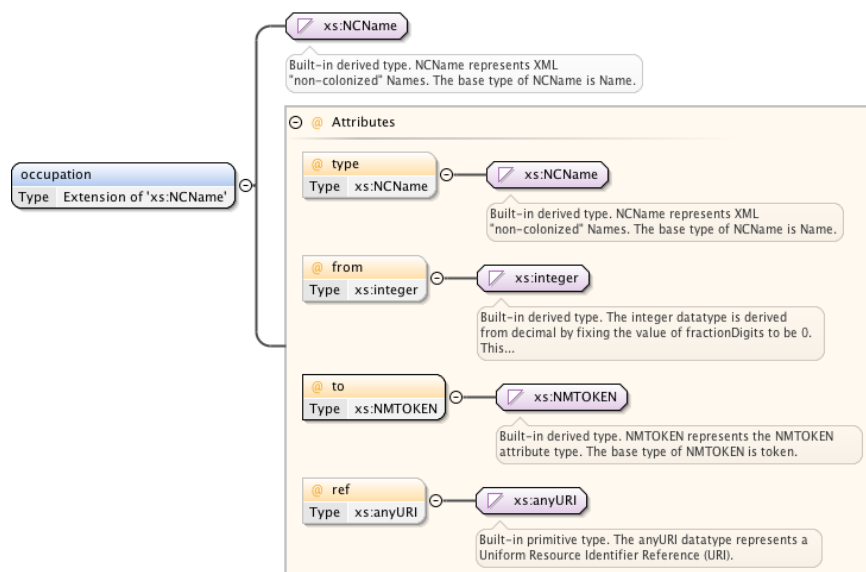


Figure 37: Persons: Occupation Block

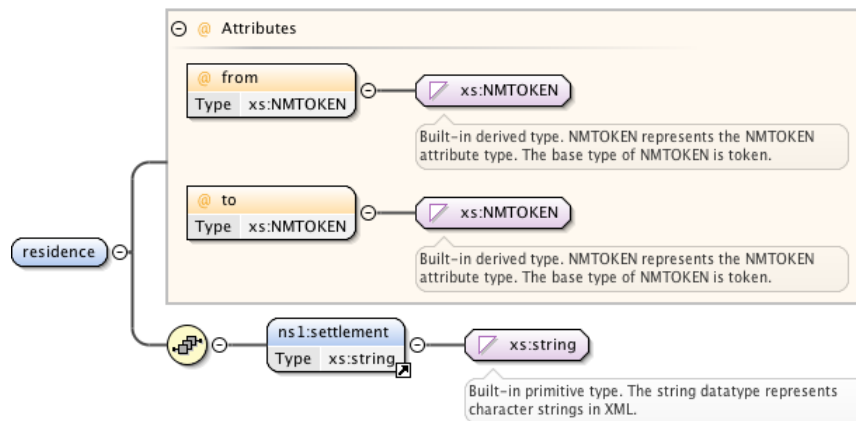


Figure 38: Persons: Residence Block

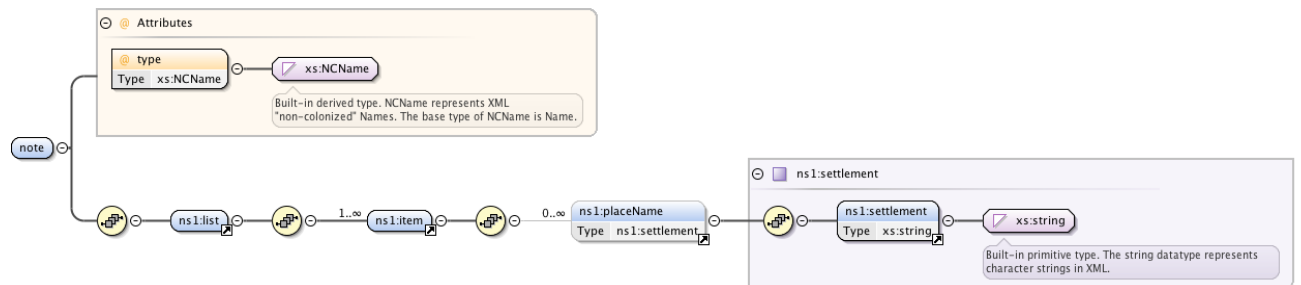


Figure 39: Persons: Note Block

6.4. Playscdules

Playscdules are coded in TEI format.

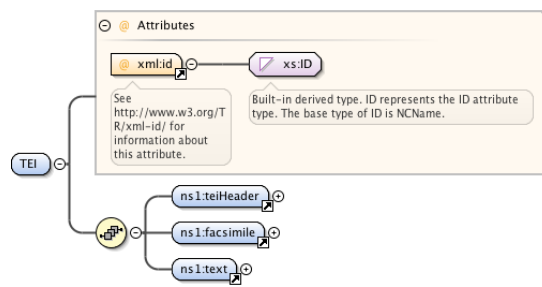


Figure 40: Playscdules: Overview

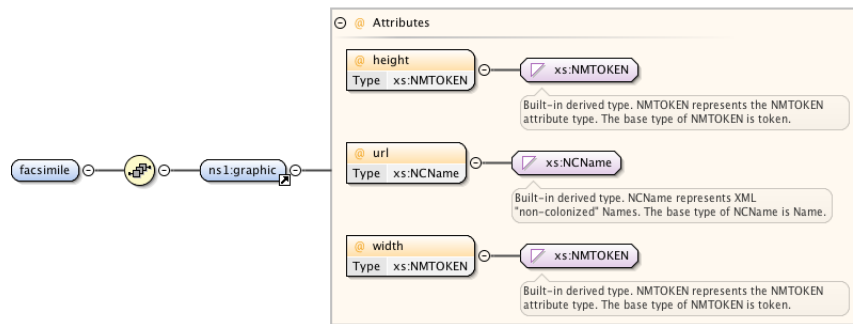


Figure 41: Playscdules: Facsimile Block

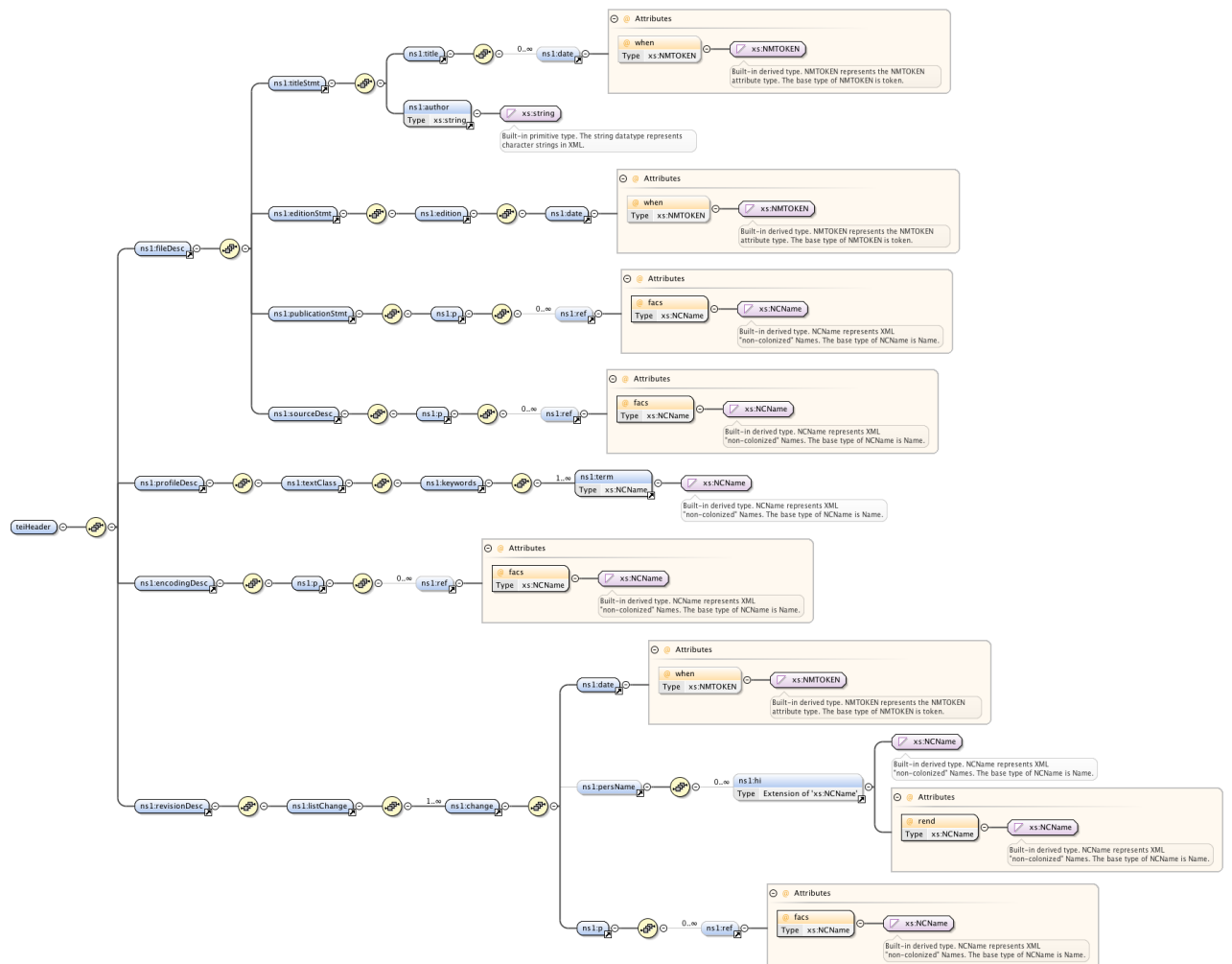


Figure 42: Playscdules: Header Block

6.5. Expenses

Expensess are coded in TEI format.

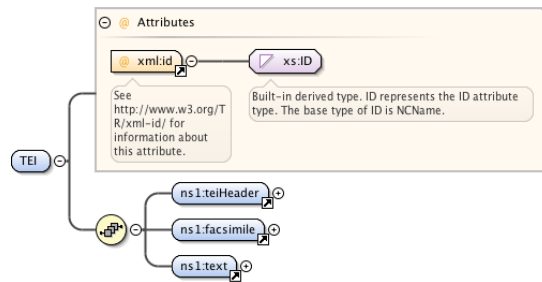


Figure 44: Playscedules: Overview

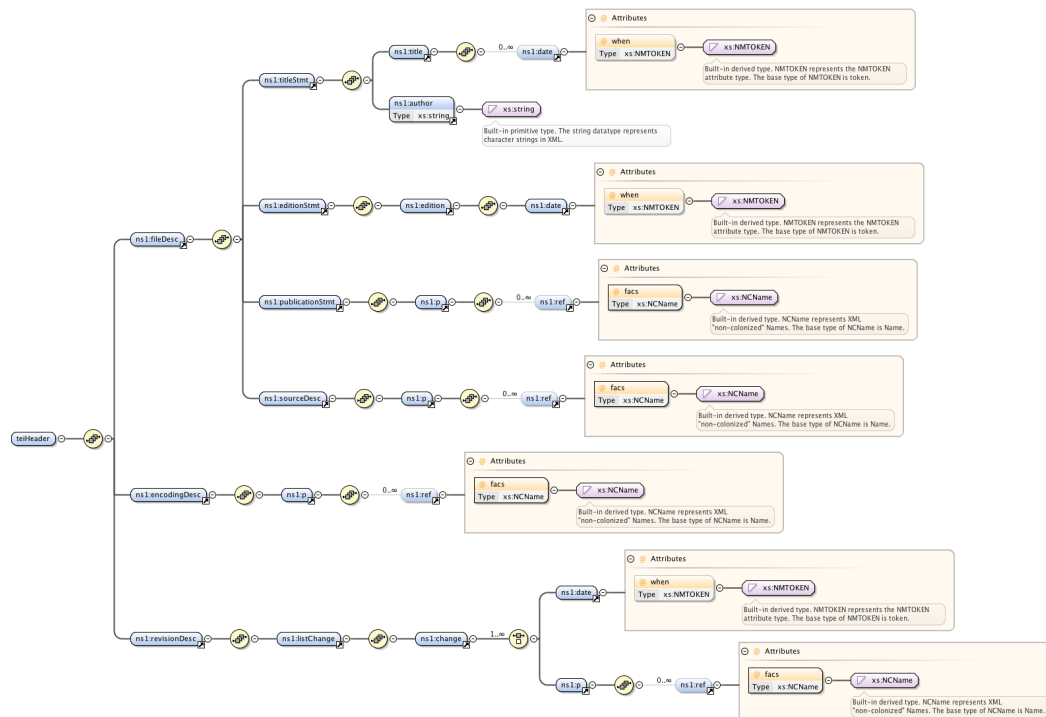


Figure 45: Expenses: Header Block

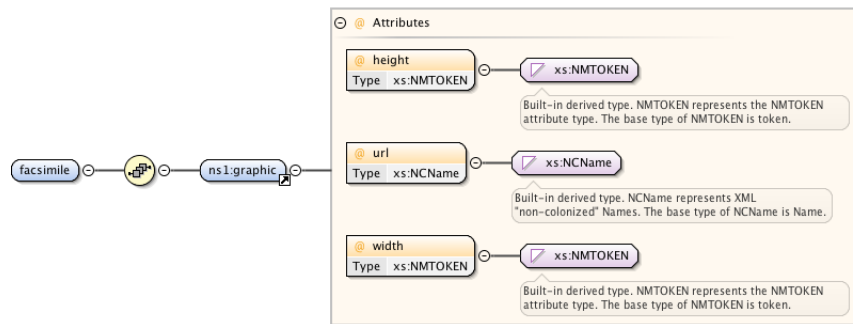


Figure 46: Expenses: Facsimile Block

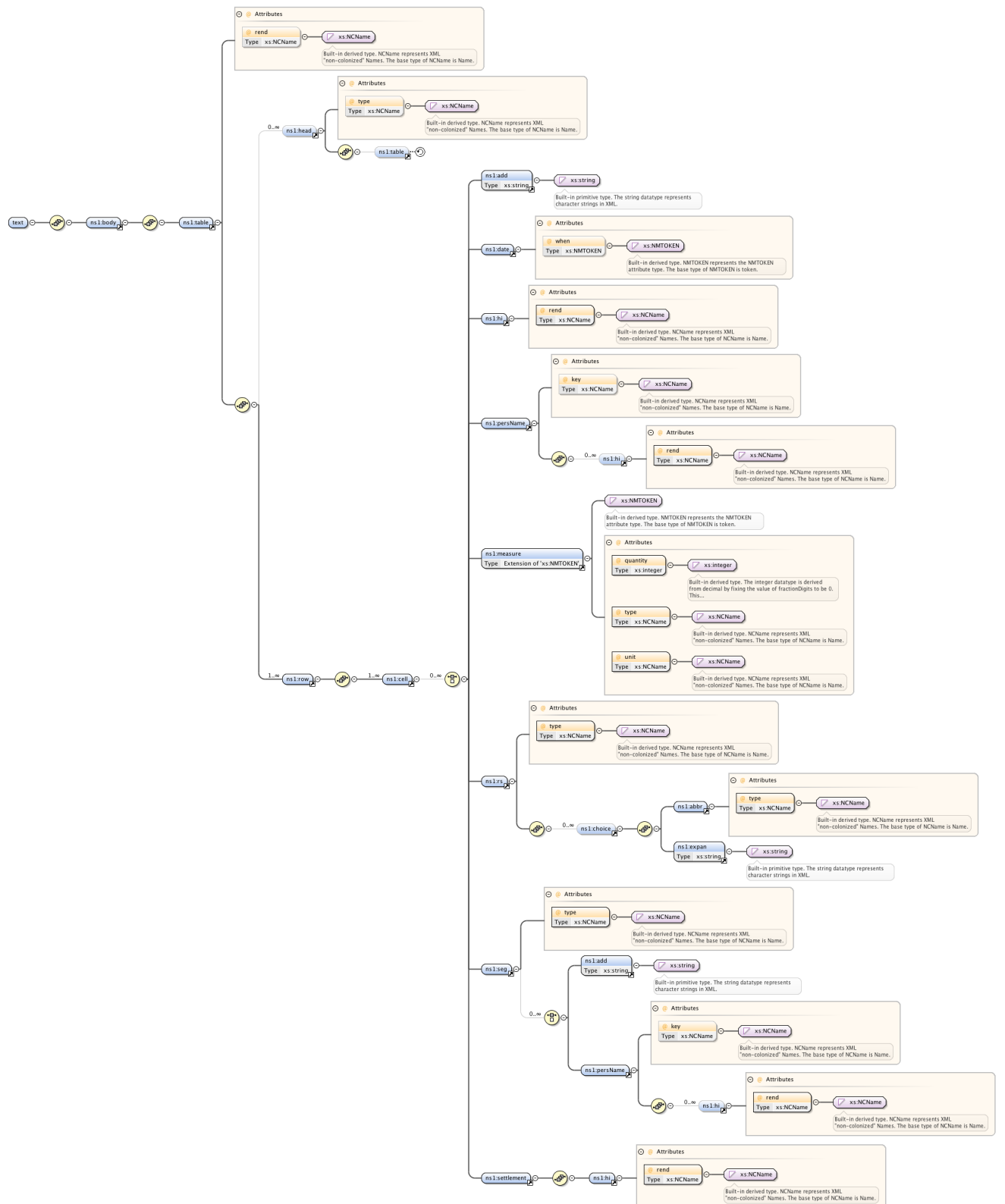


Figure 47: Expensess: Text Block

6.6. Revenues

Revenues are coded in TEI format.

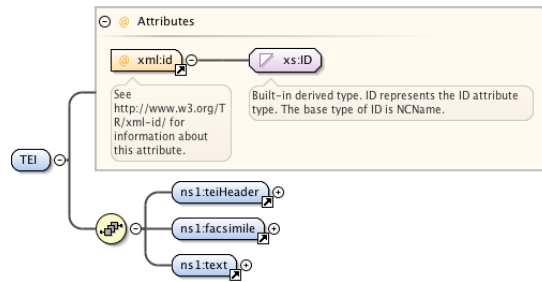


Figure 48: Revenues: Overview

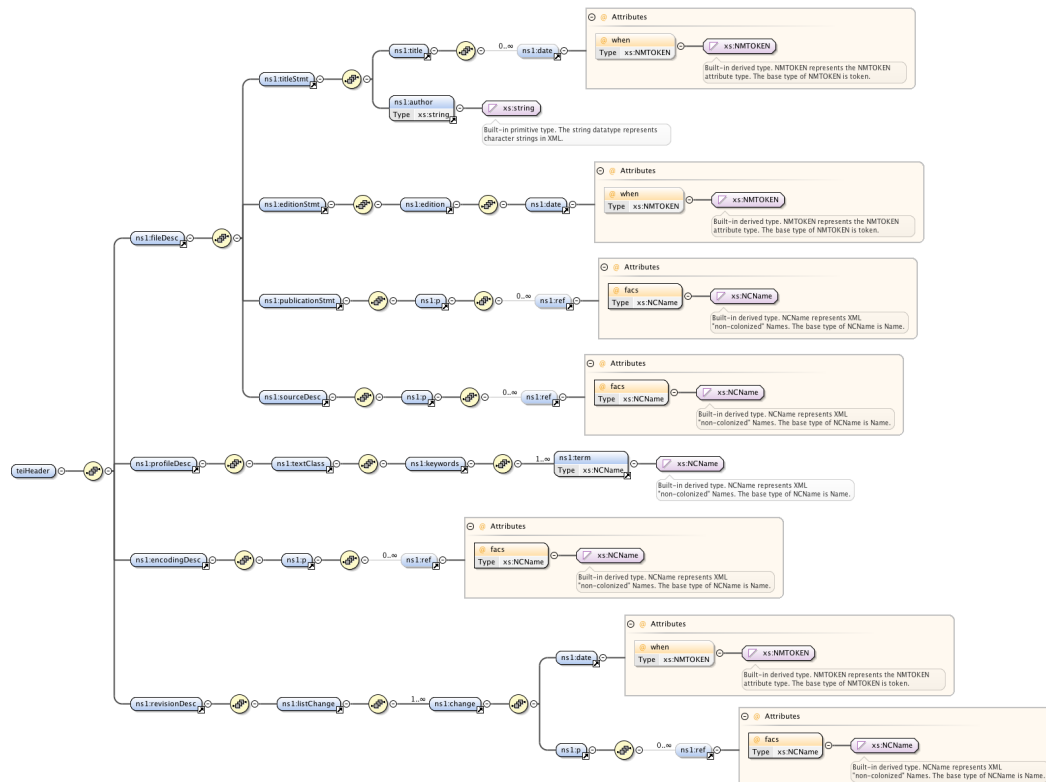


Figure 49: Revenues: Header Block

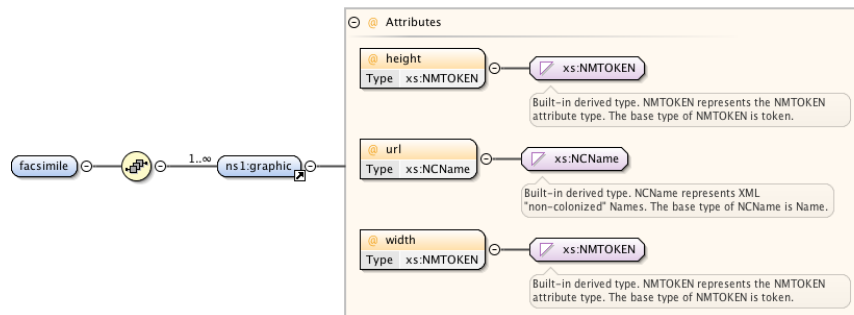


Figure 50: Revenues: Facsimile Block

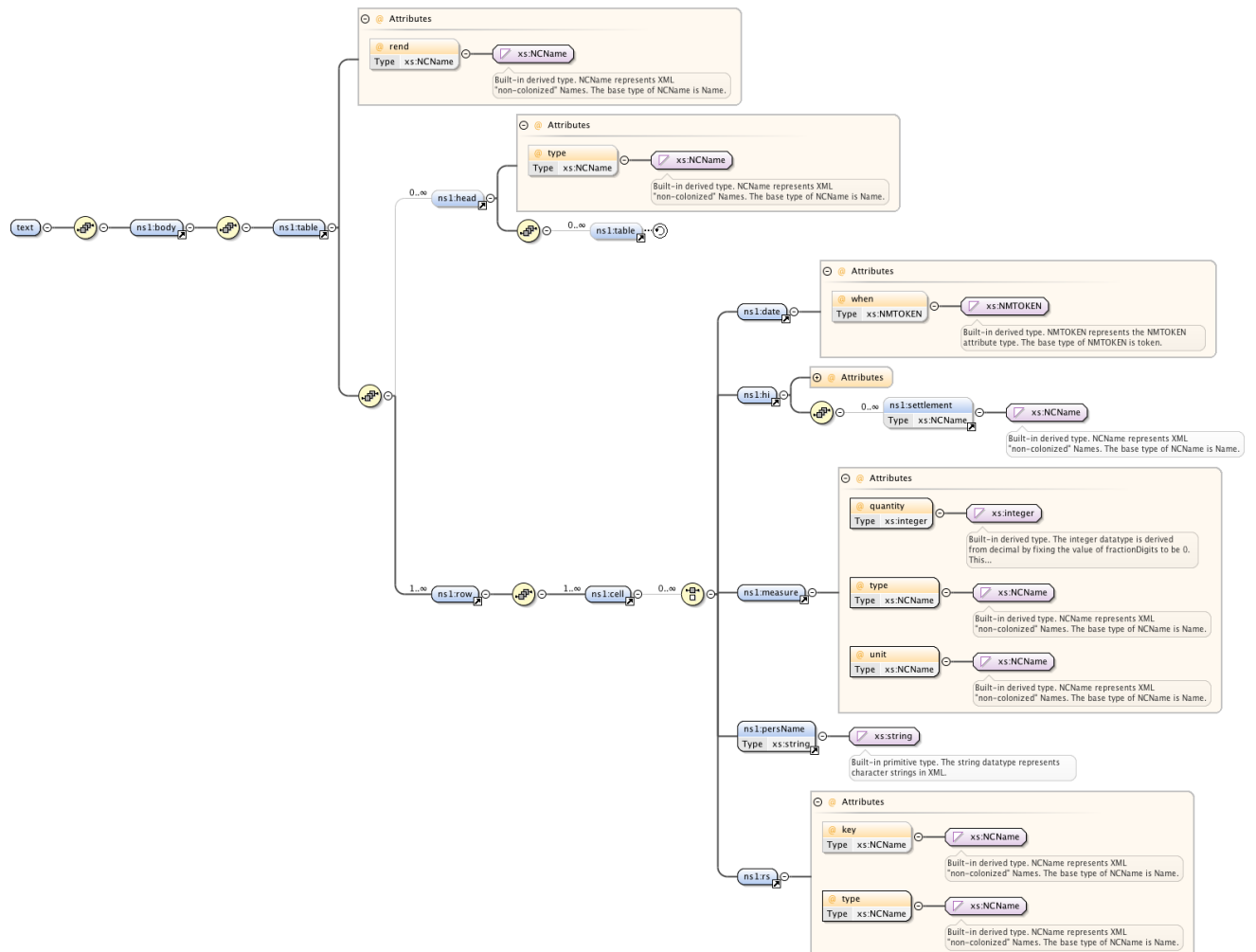


Figure 51: Revenues: Text Block

7. Relation-Diagram

Following diagram shows relations between objects. Objects are linked with id's and have direction only one direction. Exception is directions between works and sources. They have references in both directions. With dotted line are references that to be done.

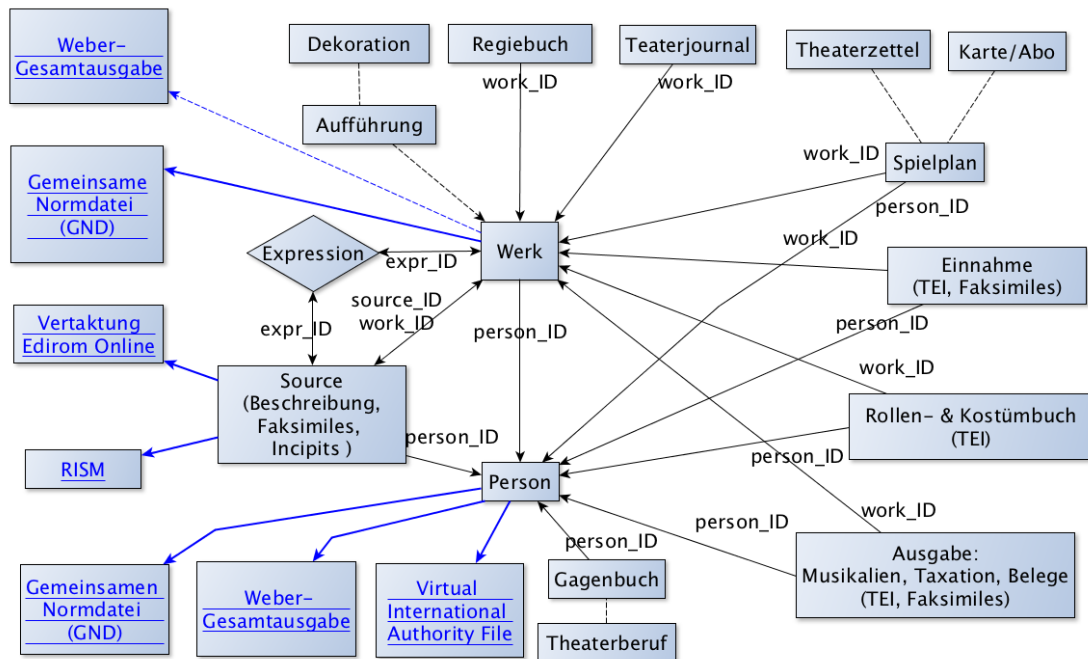


Figure 52: Relationdiagram for general Version

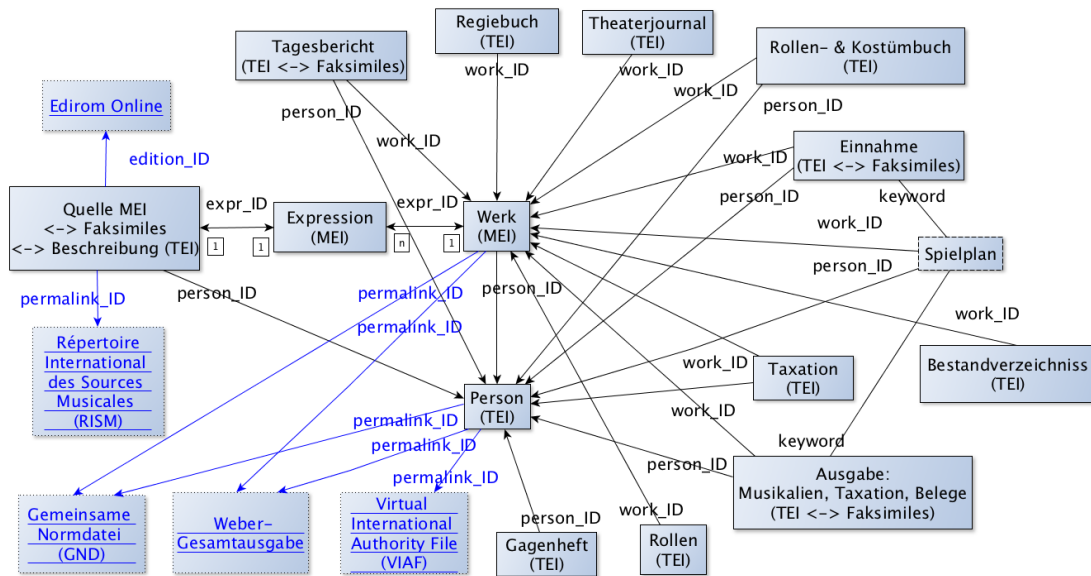


Figure 53: Relationdiagram for Detmolder Hoftheater Projekt

Part IV. Process Design

Following services are implemented:

8. getDBStructure.xql
9. getRevenueItems.xql
10. getExpensesItems.xql
11. getSchedulesItems.xql
12. getCustomItems.xql
13. getWorks.xql
14. getSource.xql
15. getMonthsForSelectedYear.xql
16. getScheduleTable.xql
17. getPersonsForSelection.xql
18. getPersonOverview.xql
19. getIssueNames.xql
20. getIssueTable.xql
21. getMonthsByRevenueYear.xql
22. getRevenueTable.xql
23. searchRolls.xql
24. searchWorks.xql
25. searchPersons.xql