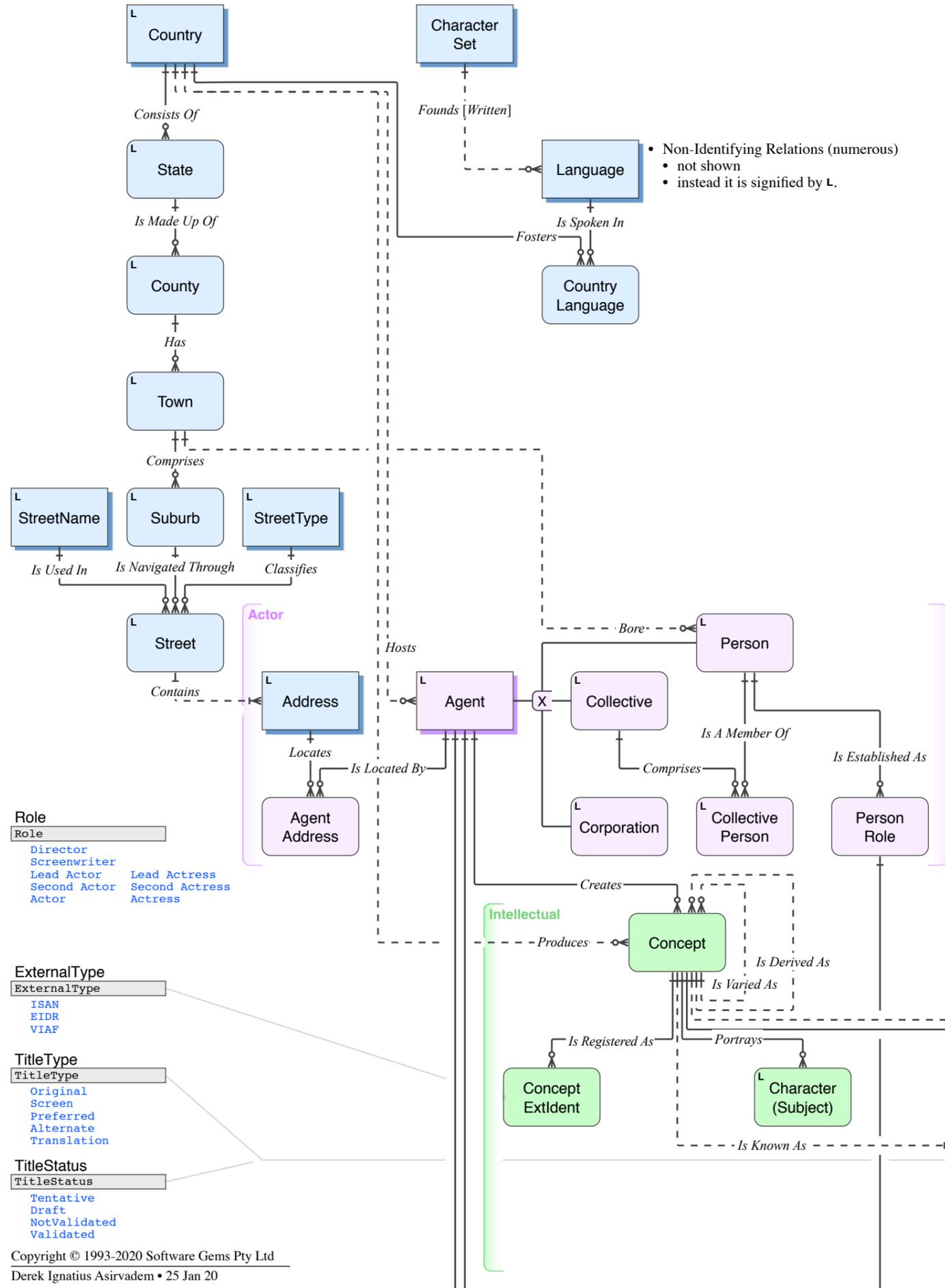


Logical stage, showing tables and relations, equivalent to the theoretical "conceptual model" minus the isolation and limitations.



Scope

Relational Model [Codd] vs Anti-Relational Muddle [Date/Darwen/Fagin/et al] • How to identify a movie?
Metadata Standards for Cinematographic Work - EN 15744

The FRBR/FIAF/IFSA documents are not definitive, taken as serious consideration only.

Note

- That a Realisation is a Variant of another Realisation, is a separate fact. Provided as single-parent tree.
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Keys (to be Confirmed)

- To begin with, all components of Keys are in the default Language
- Where a Key component is in a non-default Language, the Atom [Language_ Component Component] is in the Key, so that it is carried wherever it may be a Foreign Key
- **Language** [LanguageCode] → CharSetCode
- **Country** [CountryCode] → Default LanguageCode
- **Concept** [TitleReduced, Creator, Year] → Title, Country
 - The TitleReduced component of the Key is in the default Language & CharacterSet.
 - The TitleReduced component of the Key is reduced by removing prepositions; conjunctions; etc, resulting in a TitleReduced that is composed exclusively of Keywords (at the least)
 - the un-reduced TitleReduced is a Descriptor, in the default Language (FD)
- **ConceptTitle** [TitleReduced, Creator, Year, Language_CT, TitleReduced_CT] → Title_CT
 - The TitleReduced_CT component of the Key is in Language_CT.
 - The TitleReduced_CT component of the Key is reduced by removing prepositions; conjunctions; etc, resulting in a TitleReduced_CT that is composed exclusively of Keywords (at the least)
 - the un-reduced TitleReduced_CT is a Descriptor, in the default Language (FD)
- **ConceptTitle** [AK [Language_CT, TitleReduced_CT, Creator, Year]] → Title_CT
- PK & AK switched (AKNF), making **ConceptTitle** Independent.
- **ConceptTitle** [Language_CT, TitleReduced_CT, Creator, Year]
- **ConceptTitle** [AK [TitleReduced, Creator, Year, Language_CT, TitleReduced_CT]]
- **Realisation** [Language_CT, TitleReduced_CT, Creator, Year, Differentiator]
 - the un-reduced TitleReduced_CT is Concept.Title, in Language_CT (FD)
- **RealisationTitle** [Language_CT, TitleReduced_CT, Creator, Year, Differentiator, Language_RT, TitleReduced_RT] → Title_RT
 - the un-reduced TitleReduced_RT is a Descriptor, in Language_RT (FD)
- **RealisationTitle** [AK [Language_RT, TitleReduced_RT, Creator, Year, Differentiator]]
- PK & AK switched (AKNF), making **RealisationTitle** Independent
- **RealisationTitle** [Language_RT, TitleReduced_RT, Creator, Year, Differentiator]
- **RealisationTitle** [AK [Language_CT, TitleReduced_CT, Creator, Year, Differentiator, Language_RT, TitleReduced_RT]]
- **Edition** [Language_RT, TitleReduced_RT, Creator, Year, Differentiator, EditionType, EditionDate]
- **Instance** [Language_RT, TitleReduced_RT, Creator, Year, Differentiator, EditionType, EditionDate, InstanceName]

Movie Title Progression V0_7

V0.7 • Table Relation

Purpose

- Purpose
- Industrial
- Training
- Scientific
- Amateur
- Ethno-anthropological
- Advertising
- Experimental

Genre

- Genre

Duration

- Duration

Length

- Length

Audience

- Audience

CrewRole

- CrewRole
- Creator
- Cinematographer
- Director
- Presenter
- Producer
- ProductionCompany

CastRole

- CastRole
- Lead Actor
- Actor
- Lead Actress
- Actress
- Cast
- Cast Minor

MediumType (Format)

- MediumType
- 8mm
- Super8
- Video ?
- Half inch open reel
- U-Matic
- VHS
- DVD
- FileMP3...

EditionType

ConceptType

ConceptExtIdntType

RealisationExtIdntType

EditionExtIdntType

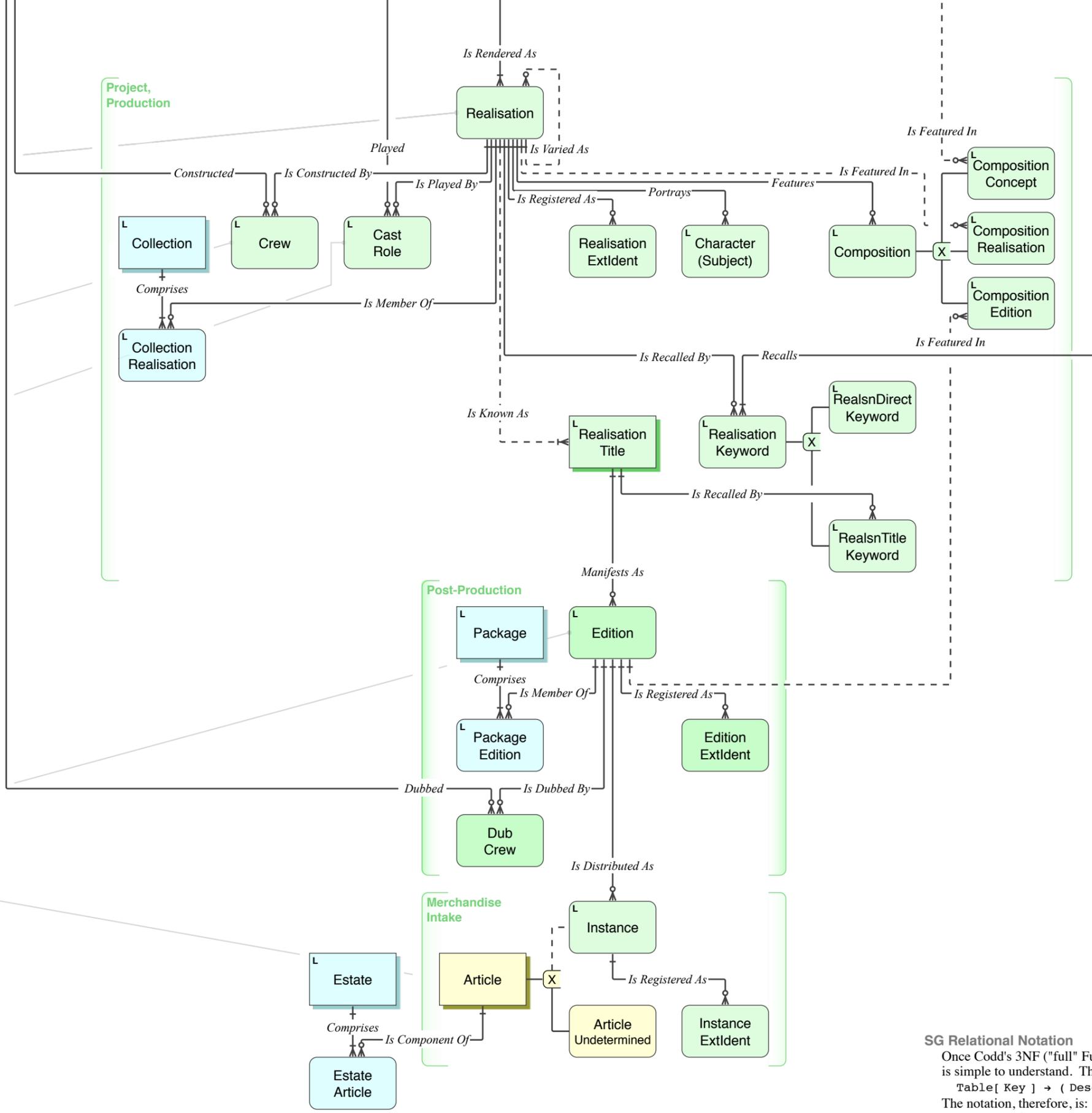
InstanceExtIdntType

ArticleType

AgentType

CompositionType

ConceptExtIdntType



SG Relational Notation

Once Codd's 3NF ("full" Functional Dependency) is understood, the notation is simple to understand. The Functional Dependency is declared thus:

Table[Key] → (Descriptor[Value], ...)

The notation, therefore, is:

Table { + | - } [Key] = (Descriptor[Value], ...)

Where Key is { PK_Value | AK_Name[Value] }

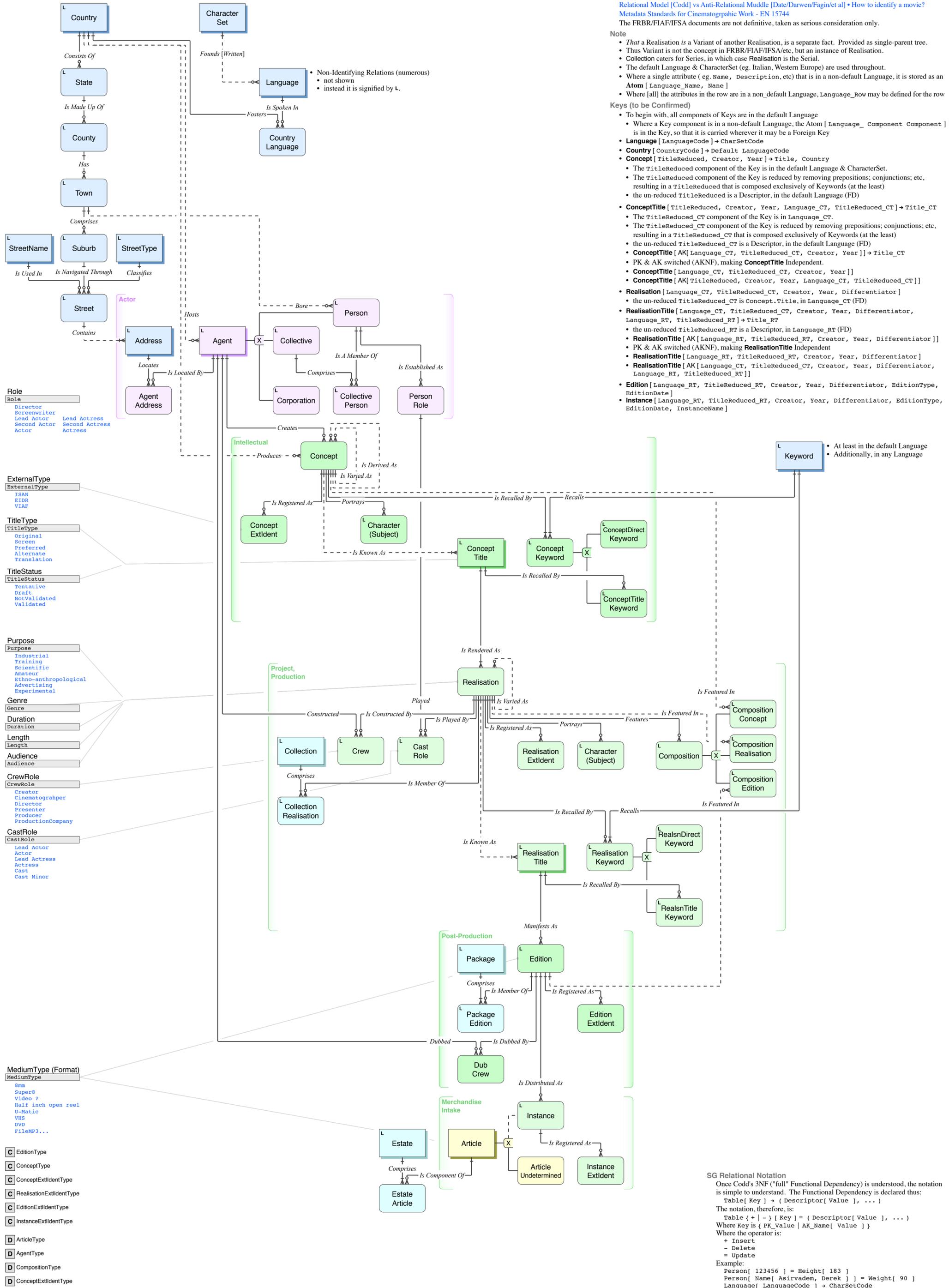
Where the operator is:

- + Insert
- Delete
- = Update

Example:

```
Person[ 123456 ] = Height[ 183 ]
Person[ Name[ Asirvadem, Derek ] ] = Weight[ 90 ]
Language[ LanguageCode ] → CharSetCode
```

Logical stage, showing tables and relations, equivalent to the theoretical "conceptual model" minus the isolation and limitations.



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- the un-reduced TitleReduced is a Descriptor, in the default Language (FD)
- **ConceptTitle** [TitleReduced, Creator, Year, Language_CT, TitleReduced_CT] → Title_CT
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- The TitleReduced_CT component of the Key is reduced by removing prepositions; conjunctions; etc, resulting in a TitleReduced_CT that is composed exclusively of Keywords (at the least)
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- **ConceptTitle** [Language_CT, TitleReduced_CT, Creator, Year]]
- **ConceptTitle** [AK [TitleReduced, Creator, Year, Language_CT, TitleReduced_CT]]
- **Realisation** [Language_CT, TitleReduced_CT, Creator, Year, Differentiator]
- the un-reduced TitleReduced_CT is Concept.Title, in Language_CT (FD)
- **RealisationTitle** [Language_CT, TitleReduced_CT, Creator, Year, Differentiator, Language_RT, TitleReduced_RT] → Title_RT
- the un-reduced TitleReduced_RT is a Descriptor, in Language_RT (FD)
- **RealisationTitle** [AK [Language_RT, TitleReduced_RT, Creator, Year, Differentiator]]
- PK & AK switched (AKNF), making **RealisationTitle** Independent
- **RealisationTitle** [Language_RT, TitleReduced_RT, Creator, Year, Differentiator]]
- **RealisationTitle** [AK [Language_CT, TitleReduced_CT, Creator, Year, Differentiator, Language_RT, TitleReduced_RT]]
- **Edition** [Language_RT, TitleReduced_RT, Creator, Year, Differentiator, EditionType, EditionDate]
- **Instance** [Language_RT, TitleReduced_RT, Creator, Year, Differentiator, EditionType, EditionDate, InstanceName]

- At least in the default Language
- Additionally, in any Language

- Role**
- Director
 - Screenwriter
 - Lead Actor
 - Second Actor
 - Actor
 - Lead Actress
 - Second Actress
 - Actress

- ExternalType**
- ISAN
 - EIDR
 - VIAF

- TitleType**
- Original
 - Screen
 - Preferred
 - Alternate
 - Translation

- TitleStatus**
- Tentative
 - Draft
 - NotValidated
 - Validated

- Purpose**
- Industrial
 - Training
 - Scientific
 - Amateur
 - Ethno-anthropological
 - Advertising
 - Experimental

- Genre**
- Genre

- Duration**
- Duration

- Length**
- Length

- Audience**
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- Creator
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- CastRole**
- Lead Actor
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 - Cast
 - Cast Minor

- MediumType (Format)**
- 8mm
 - Super8
 - Video ?
 - Half inch open reel
 - U-Matic
 - VHS
 - DVD
 - FileMP3...

- C** EditionType
- C** ConceptType
- C** ConceptExtIdentType
- C** RealisationExtIdentType
- C** EditionExtIdentType
- C** InstanceExtIdentType

- D** ArticleType
- D** AgentType
- D** CompositionType
- D** ConceptExtIdentType

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Table { + | - } [Key] = (Descriptor [Value], ...)
Where Key is { PK_Value | AK_Name [Value] }
Where the operator is:
+ Insert
- Delete
= Update
Example:
Person [123456] = Height [183]
Person [Name [Asirvadem, Derek]] = Weight [90]
Language [LanguageCode] → CharSetCode