

LexEVS 6.x OWL Mapping

Contents of this Page

- [OWL: RDF Schema Features](#)
- [OWL: \(In\)Equality](#)
- [OWL: Property Characteristics](#)
- [OWL: Property Restrictions](#)
- [OWL: Annotation Property](#)
- [OWL: Versioning](#)
- [Legacy Complex Properties Mapping](#)

OWL: RDF Schema Features

OWL Mapping - Protégé (New) OWL Element	LexGrid	Comments
owl:ontology	codingScheme	No comments
xml:lang	codingScheme.defaultLanguage	Default is 'en'
dc:title	codingScheme.formalName	No comments
rdfs:label	codingScheme.localName	No comments
URI	codingScheme.registeredName	No comments
owl:versionInfo	codingScheme.representsVersion	Default is 'UNASSIGNED'
dc:rights	codingScheme.copyright	No comments
owl:Class (Thing, Nothing)	entity	No comments
rdfs:ID	entity.entityCode	No comments
	entity.isActive	Hard coded as 'Active'
	entity.isAnonymous	No comments
rdfs:label	entity.entityDescription	No comments
	entity.presentation	No comments
rdfs:comment	entity.comment	No comments
rdfs:subClassOf	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = 'subClassOf'	No comments
	associationEntity.entityCode = 'subClassOf'	No comments
	associationEntity.forwardName = 'subClassOf'	No comments
	associationEntity.isNavigable = 'true'	No comments
	associationEntity.isTransitive='true'	No comments
rdfs:Property (ObjectProperty /DatatypeProperty)	associationPredicate.associationName = 'objectProperty /datatypeProperty'	An association between two classes
	associationEntity.propertyName = 'type'	No comments
	associationEntity.propertyValue = 'objectProperty/datatypeProperty'	No comments
		No comments
		No comments
rdfs:subPropertyOf	associationPredicate & associationEntity	No comments

	associationPredicate.associationName = \"subPropertyOf\"	No comments
	associationEntity.entityCode = \"subPropertyOf\"	No comments
	associationEntity.forwardName = \"subPropertyOf\"	No comments
	associationEntity.isNavigable = \"true\"	No comments
	associationEntity.isTransitive=\"true\"	No comments
rdfs:domain	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \"domain\"	No comments
	associationEntity.entityCode = \"domain\"	No comments
	associationEntity.forwardName = \"domain\"	No comments
	associationEntity.isNavigable = \"true\"	No comments
	associationEntity.isTransitive=\"true\"	No comments
rdfs:range	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \"range\"	No comments
	associationEntity.entityCode = \"range\"	No comments
	associationEntity.forwardName = \"range\"	No comments
	associationEntity.isNavigable = \"true\"	No comments
	associationEntity.isTransitive=\"false\"	No comments
		No comments
Individual	entity	No comments
	entity.EntityType = \"instance\"	

OWL: (In)Equality

OWL Mapping - Protégé (6.0) OWL Element	LexGrid	Comments
owl:equivalentClass	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \"equivalentClass\"	No comments
	associationEntity.entityCode = \"equivalentClass\"	No comments
	associationEntity.forwardName = \"equivalentClass\"	No comments
	associationEntity.isNavigable = \"true\"	No comments
	associationEntity.isTransitive=\"true\"	No comments
	associationEntity.reverseName=\"equivalentClass\"	No comments
		No comments
owl:equivalentProperty	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \"equivalentProperty\"	No comments
	associationEntity.entityCode = \"equivalentProperty\"	No comments
	associationEntity.forwardName = \"equivalentProperty\"	No comments
	associationEntity.isNavigable = \"true\"	No comments
	associationEntity.isTransitive=\"true\"	No comments

	associationEntity.reverseName=\\"equivalentProperty\\"	No comments
owl:sameAs	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \\"sameAs\\"	No comments
	associationEntity.entitycode = \\"sameAs\\"	No comments
	associationEntity.forwardName = \\"sameAs\\"	No comments
	associationEntity.isNavigable = \\"true\\"	No comments
	associationEntity.isTransitive=\\"true\\"	No comments
	associationEntity.reverseName=\\"sameAs\\"	No comments
owl:differentFrom	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \\"differentFrom\\"	No comments
	associationEntity.entityCode = \\"differentFrom\\"	No comments
	associationEntity.forwardName = \\"differentFrom\\"	No comments
	associationEntity.isNavigable = \\"true\\"	No comments
	associationEntity.isTransitive=\\"true\\"	No comments
	associationEntity.reverseName= \\"differentFrom\\"	No comments
owl:AllDifferent	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \\"AllDifferent\\"	No comments
	associationEntity.entityCode = \\"AllDifferent\\"	No comments
	associationEntity.forwardName = \\"AllDifferent\\"	No comments
	associationEntity.isNavigable = \\"true\\"	No comments
	associationEntity.isTransitive=\\"true\\"	No comments
	associationEntity.reverseName= \\"AllDifferent\\"	No comments

OWL: Property Characteristics

OWL Mapping - Protégé (6.0) OWL Element	LexGrid	Comments
owl:inverseOf	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \\"inverseOf\\"	No comments
	associationEntity.entitycode = \\"inverseOf\\"	No comments
	associationEntity.forwardName = \\"inverseOf\\"	No comments
	associationEntity.isNavigable = \\"true\\"	No comments
	associationEntity.isTransitive=\\"true\\"	No comments
	associationEntity.reverseName=\\"inverseOf\\"	No comments
owl:TransitiveProperty	associationEntity.propertyName = \\"type\\"	No comments
	associationEntity.propertyValue = \\"transitiveProperty\\"	No comments
owl:SymmetricProperty	associationEntity.propertyName = \\"type\\"	No comments

	associationEntity.propertyValue = \"symmetricProperty\"	No comments
owl:InverseFunctionalProperty	associationEntity.propertyName = \"type\"	No comments
	associationEntity.propertyValue = \"inverseFunctionalProperty\"	No comments
owl:FunctionalProperty	associationEntity.propertyName = \"type\"	No comments
	associationEntity.propertyValue = \"functionalProperty\"	No comments

OWL: Property Restrictions

OWL Mapping - Protégé (6.0) OWL Element	LexGrid	Comments
owl:Restriction	associationEntity & associationSource /associationTarget	Create an anonymous entity for the restriction. Note: if the restriction is under an intersectionOf, system creates an anonymous class for intersectionOf which contains the restriction
	associationEntity.entityCode starts with \"@\"	System generated code
	associationEntity.isActive = true	No comments
	associationEntity.isAnonymous = true	Hardcoded \"True\"
	associationSource.entityCode starts with \"@\"	System generated code
	associationTarget.entityCode starts with \"@\"	System generated code
		No comments
owl:onProperty	associationPredicate	Use to define from associationSource to associationTarget
owl:allValuesFrom	associationEntity.entityDescription	String of only values
	associationEntity.presentation.propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity.presentation.propertyName	Hardcoded \"label\"
	associationEntity.presentation.isPreferred = true	Hardcoded \"true\"
	associationEntity.presentation.text	String of only values
	associationTarget.associationQualifier = \"allValueFrom\"	No comments
owl:someValuesFrom	associationEntity.entityDescription	String of some values
	associationEntity.presentation.propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity.presentation.propertyName	Hardcoded \"textualPresentation\"
	associationEntity.presentation.isPreferred = true	Hardcoded \"true\"
	associationEntity.presentation.text	String of someValuesFrom values

	associationTarget. associationQualifier = \" someValuesFrom\"	No comments
owl: intersectionOf	associationEntity & associationSource /associationTarget	Create an anonymous entity for the restriction. Note: if the restriction is under an intersectionOf, system creates an anonymous class for intersectionOf which contains the restriction
	associationEntity.entityCode starts with \"@\"	System generated code
	associationEntity.isActive = true	No comments
	associationEntity.isAnonymous = true	Hardcoded \"True\"
	associationEntity. entityDescription	String of intersectionOf values (ie. Pizza and not VegetarianPizza)
	associationEntity.presentation. propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity.presentation. propertyName	Hardcoded \"textualPresentation\"
	associationEntity.presentation. isPreferred = true	Hardcoded \"true\"
	associationEntity.presentation. text	String of intersectionOf values (ie. Pizza and not VegetarianPizza)
	associationEntity. conceptProperty.propertyId	Generated value for property using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity. conceptProperty.propertyName = type	Hardcoded \"type\"
	associationEntity. conceptProperty.text = \"owl: intersectionOf\"	
	associationSource.entityCode starts with \"@\"	System generated code
	associationTarget.entityCode starts with \"@\"	System generated code
UnionOf	associationEntity & associationSource /associationTarget	No comments
	associationEntity.entitycode starts with \"@\"	System generated code
	associationEntity.isActive = true	No comments
	associationEntity.isAnonymous = true	No comments
	associationEntity. entityDescription	String of Union of values (ie. MozzarellaTopping or MushroomTopping or TomatoTopping)
	associationEntity.presentation. propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity.presentation. propertyName	Hardcoded \"textualPresentation\"
	associationEntity.presentation. isPreferred = true	Hardcoded \"true\"
	associationEntity.presentation. text	String of intersectionOf values (ie. Pizza and not VegetarianPizza)

	associationEntity. conceptProperty.propertyId	Generated value for property using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity. conceptProperty.propertyName = type	Hardcoded \"type\"
	associationEntity. conceptProperty.text = \"owl: unionOf\"	No comments
	associationSource.entityCode starts with \"@\"	System generated code
	associationTarget.entityCode starts with \"@\"	System generated code
owl: complementOf	associationPredicate	associationPredicate.associationName = \"complementOf\"
owl:oneOf	associationEntity. entityDescription	String of oneOf values
	associationEntity.presentation. propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity.presentation. propertyName	Hardcoded \"textualPresentation\"
	associationEntity.presentation. isPreferred = true	Hardcoded \"true\"
	associationEntity.presentation. text	String of oneOf values
	associationEntity. conceptProperty.propertyId	Generated value for property using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity. conceptProperty.propertyName = type	Hardcoded \"type\"
	associationEntity. conceptProperty.text = \"owl: intersectionOf\"	No comments
owl:hasValue	associationTarget. associationQualifier=\"owl: hasValue\"	No comments
	associationData.value	eg. if the type is int, associationData has the value
owl: minCardinality	associationEntity. entityDescription	String of minCardinality Values (ie. (hasTopping min 3) and Pizza)
	associationEntity.presentation. propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity.presentation. propertyName	Hardcoded \"textualPresentation\"
	associationEntity.presentation. isPreferred = true	Hardcoded \"true\"
	associationEntity.presentation. text	String of minCardinality Value (ie. (hasTopping min 3) and Pizza)
	associationEntity. conceptProperty.propertyId	Generated value for property using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity. conceptProperty.propertyName = type	Hardcoded \"type\"

	associationEntity. conceptProperty.text = \"owl: intersectionOf\"	No comments
	associationTarget. associationQualifier = \"owl: minCardinality\"	No comments
	associationData.value	eg. if the type is int, associationData has the value
owl: maxCardinality	associationEntity. entityDescription	String of maxCardinality Values (ie. (hasTopping max 2) and Pizza)
	associationEntity.presentation. propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity.presentation. propertyName	Hardcoded \"textualPresentation\"
	associationEntity.presentation. isPreferred = true	Hardcoded \"true\"
	associationEntity.presentation. text	String of maxCardinality Values (ie. (hasTopping max 2) and Pizza)
	associationEntity. conceptProperty.propertyId	Generated value for property using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity. conceptProperty.propertyName = type	Hardcoded \"type\"
	associationEntity. conceptProperty.text = \"owl: intersectionOf\"	No comments
	associationTarget. associationQualifier = \"owl: maxCardinality\"	No comments
	associationData.value	eg. if the type is int, associationData has the value
owl:cardinality	associationEntity. entityDescription	String of cardinality Values
	associationEntity.presentation. propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity.presentation. propertyName	Hardcoded \"textualPresentation\"
	associationEntity.presentation. isPreferred = true	Hardcoded \"true\"
	associationEntity.presentation. text	String of cardinality Values
	associationEntity. conceptProperty.propertyId	Generated value for property using \"P\" concatenated with a steadily incremented numerical value.
	associationEntity. conceptProperty.propertyName = type	Hardcoded \"type\"
	associationEntity. conceptProperty.text = \"owl: intersectionOf\"	No comments
	associationTarget. associationQualifier = \"owl: cardinality\"	No comments
	associationData.value	eg. if the type is int, associationData has the value

owl:disjointWith	associationPredicaet	association.id = \"disjointWith\"
------------------	----------------------	-----------------------------------

OWL: Annotation Property

OWL Mapping - Protégé (6.0) OWL Element	LexGrid	Comments
rdfs:label	Presentation	No comments
	entity.presentation.propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	entity.presentation.propertyName = \"textualPresentation\"	Hardcoded \"textualPresentation\"
	entity.presentation.isPreferred = true	Hardcoded \"true\"
	entity.presentation.text	Value of rdfs:label
rdfs:comment	Comment	No comments
	entity.comment.propertyId	Generated value for property textual presentation using \"P\" concatenated with a steadily incremented numerical value.
	entity.comment.propertyName = \"comment\"	Hardcoded \"comment\"
	entity.presentation.text	Value of rdfs:comment
rdfs:seeAlso	entityProperty	No comments
rdfs:isDefinedBy	entityProperty	No comments

OWL: Versioning

OWL Mapping - Protégé (6.0) OWL Element	LexGrid	Comments
owl:versionInfo	codingScheme.representsVersion	No comments
priorVersion		Not Mapped
backwardCompatibleWith		Not Mapped
owl:incompatibleWith	associationPredicate & associationEntity	No comments
	associationPredicate.associationName = \"incompatibleWith\"	No comments
	associationEntity.entityCode = \"incompatibleWith\"	No comments
	associationEntity.forwardName = \"incompatibleWith\"	No comments
	associationEntity.isNavigable = \"true\"	No comments
	associationEntity.isTransitive= \"true\"	No comments
	associationEntity.reverseName= \"incompatibleWith\"	No comments
DeprecatedClass	Concept attribute setIsActive = false	Not Mapped
DeprecatedProperty		Not Mapped

Legacy Complex Properties Mapping

tag	presentation	source	representational form	qualifier	model element	value column name	model element

go-term	x					propertyValue	
go-id				x	propertyQualifierId	val1	PropertyQualifier attribute content?
go-source				x	propertyQualifierId	val1	PropertyQualifier attribute content?
source-date				x	propertyQualifierId	val1	PropertyQualifier attribute content?
term-name	x					propertyValue	
term-group			x			representationalForm	property attribute
term-source		x				attributeValue	source
def-source		x				attributeValue	source
def-definition	x					propertyValue	definition
Definition_Review_Date				x	propertyQualifierId	val1	PropertyQualifier attribute content?
Definition_Reviewer_Name				x	propertyQualifierId	val1	PropertyQualifier attribute content?