# SQL-UNET DESIGN

sqlunet 2.0
version 6.0.0
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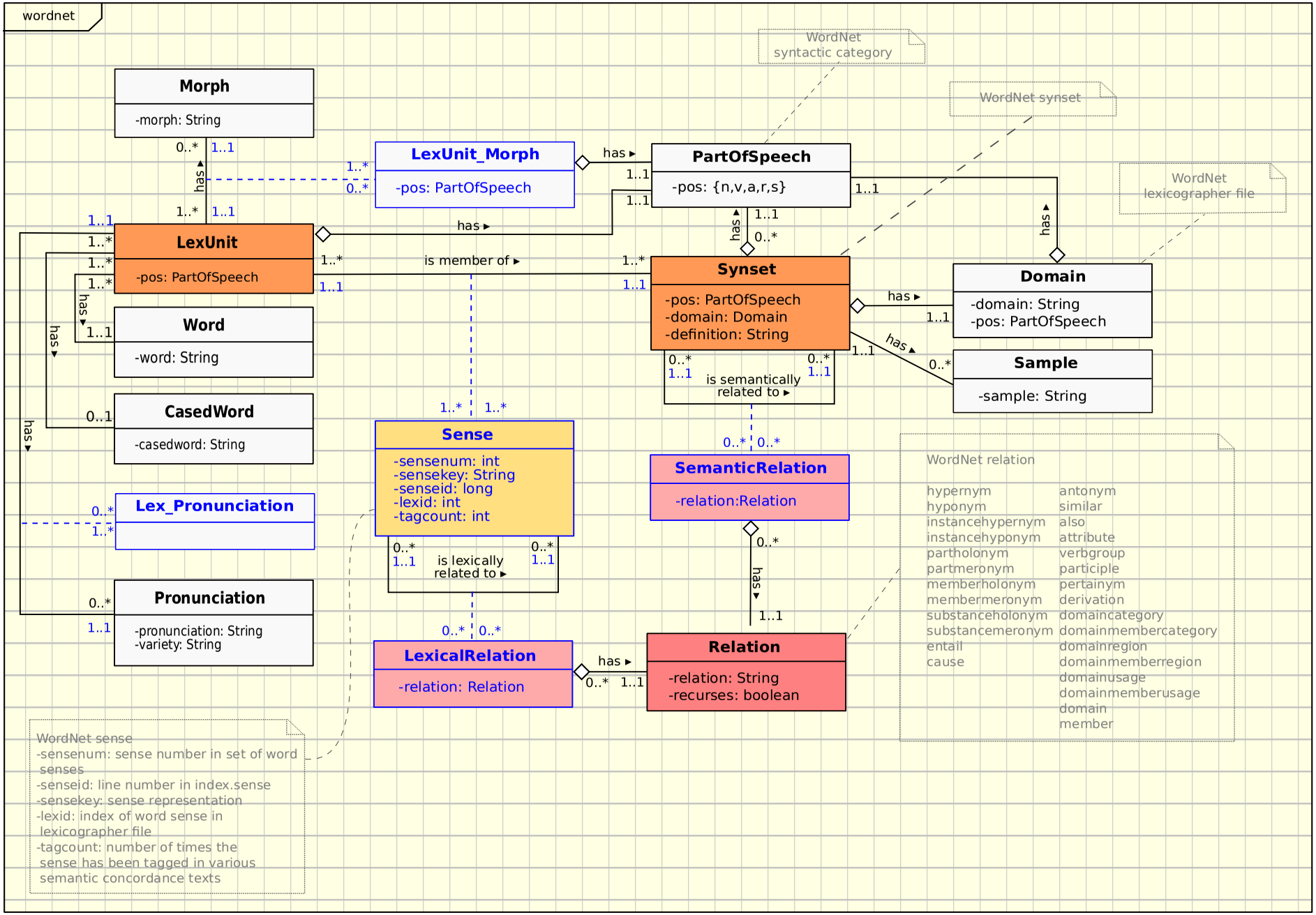
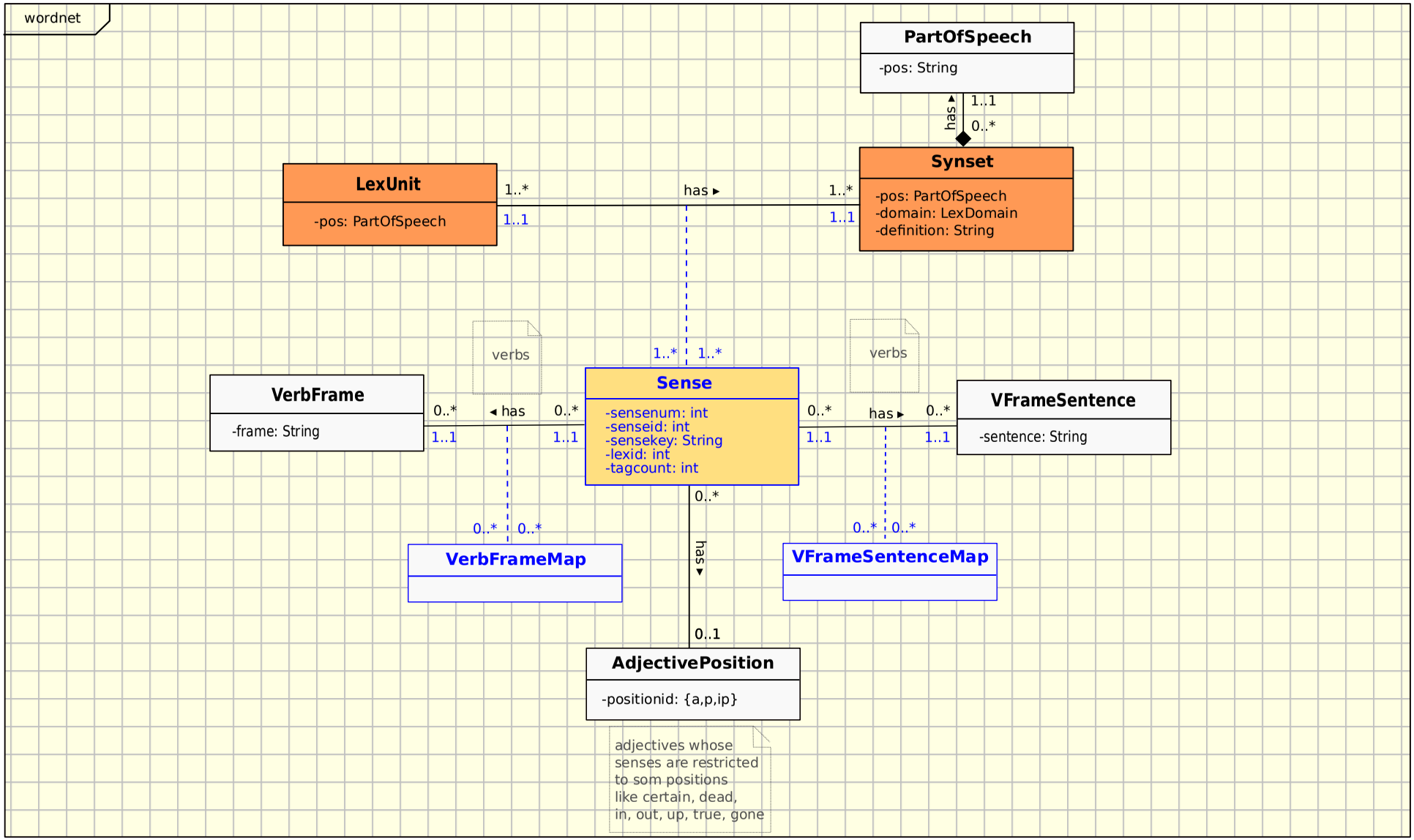
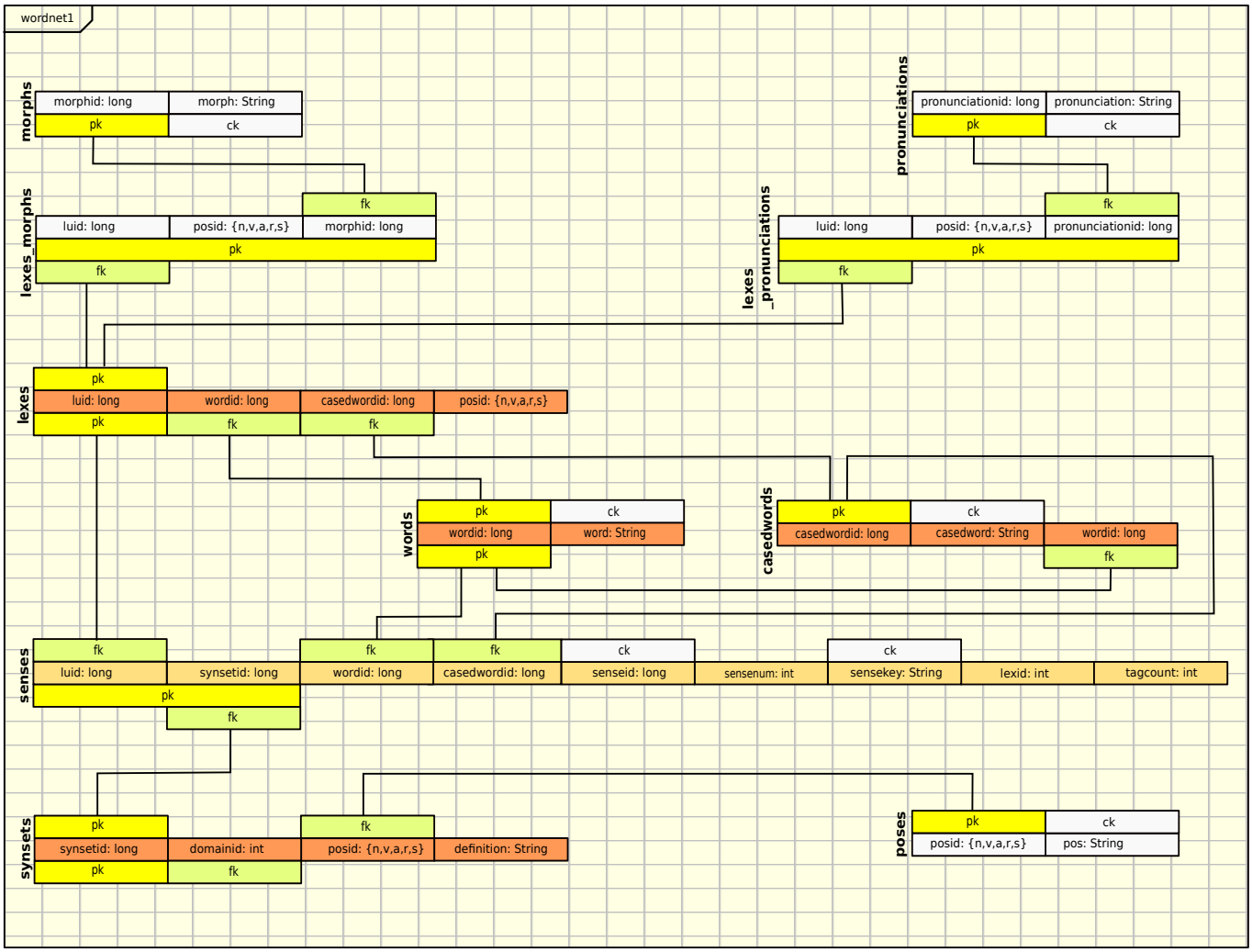
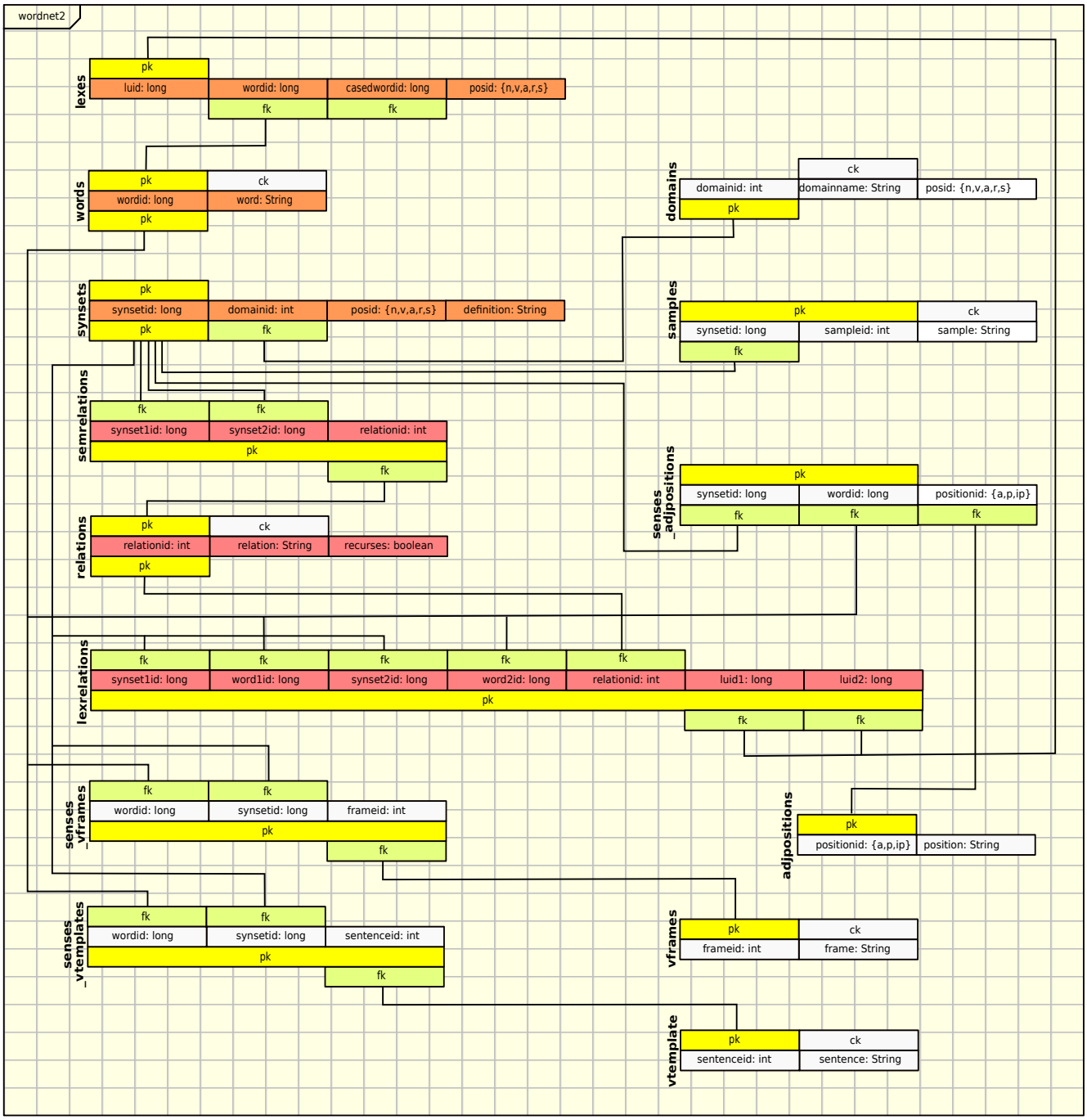
UML


wordnet
WordNet syntactic category
WordNet synset
WordNet lexicographer file
Morph
-morph: String
LexUnit_Morph
-pos: PartOfSpeech
PartOfSpeech
-pos: {n,v,a,r,s}
LexUnit
-pos: PartOfSpeech
Synset
-pos: PartOfSpeech
-domain: Domain
-definition: String
Domain
-domain: String
-pos: PartOfSpeech
Sample
-sample: String
Word
-word: String
CasedWord
-casedword: String
Sense
-sensenum: int
-sensekey: String
-senseid: long
-lexid: int
-tagcount: int
SemanticRelation
-relation:Relation
Lex_Pronunciation
Pronunciation
-pronunciation: String
-variety: String
LexicalRelation
-relation: Relation
Relation
-relation: String
-recurses: boolean
has
is member of
is semantically related to
is lexically related to
WordNet relation
hypernym
hyponym
instancehypernym
instancehyponym
partholonym
partmeronym
memberholonym
membermeronym
substanceholonym
substancemeronym
entail
cause
antonym
similar
also
attribute
verbgroup
participle
pertainym
derivation
domaincategory
domainmembercategory
domainregion
domainmemberregion
domainusage
domainmemberusage
domain
member
WordNet sense
-sensenum: sense number in set of word senses
-senseid: line number in index.sense
-sensekey: sense representation
-lexid: index of word sense in lexicographer file
-tagcount: number of times the sense has been tagged in various semantic concordance texts

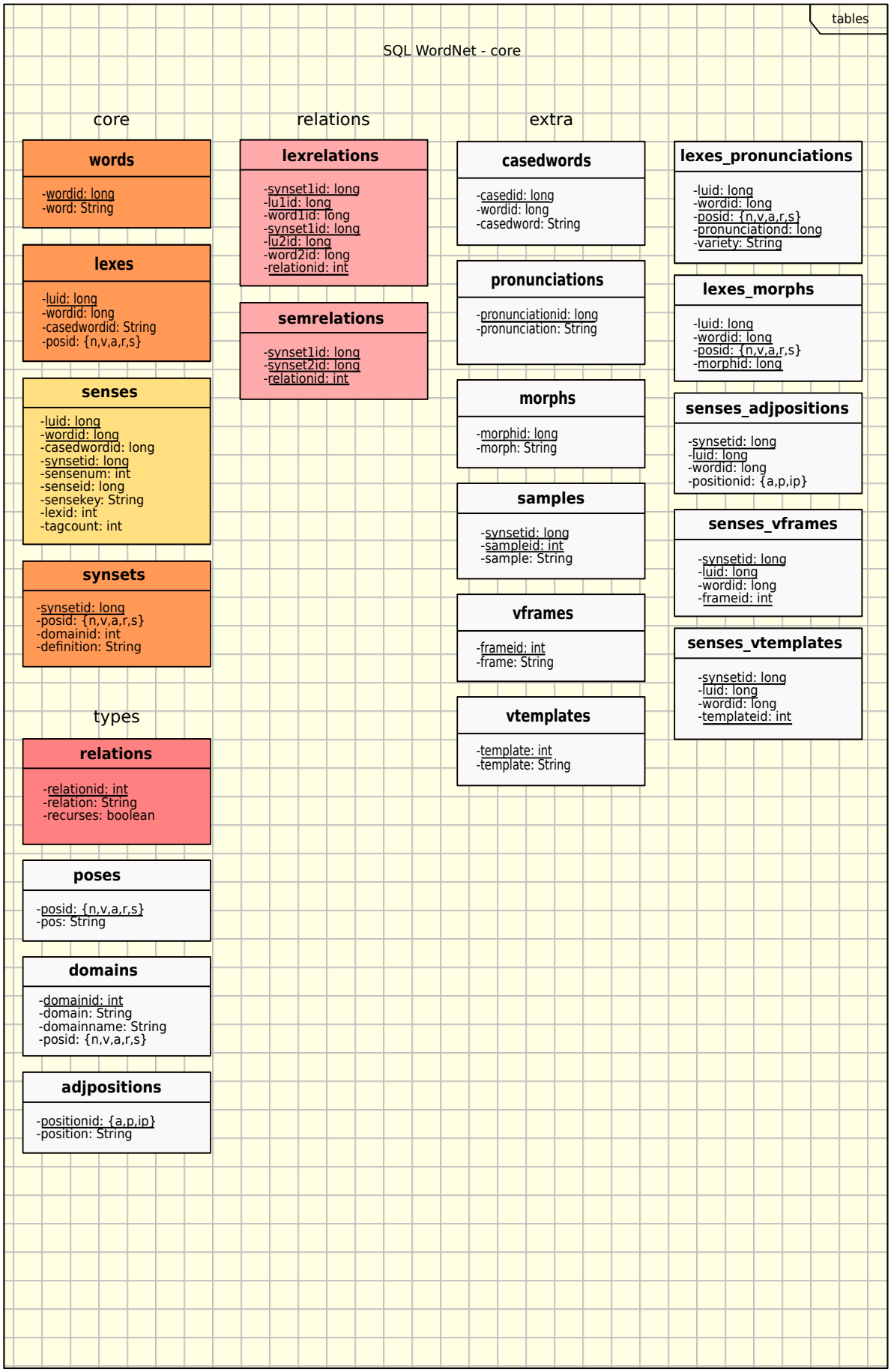

wordnet
PartOfSpeech
-pos: String
has
1..1
0..*
Synset
-pos: PartOfSpeech
-domain: LexDomain
-definition: String
LexUnit
-pos: PartOfSpeech
1..*
has ▸
1..*
1..1
1..1
verbs
1..*
1..*
Sense
-sensenum: int
-senseid: int
-sensekey: String
-lexid: int
-tagcount: int
verbs
VerbFrame
-frame: String
0..*
◂ has
0..*
1..1
1..1
0..*
has ▸
0..*
1..1
1..1
VFrameSentence
-sentence: String
0..*
0..*
VerbFrameMap
0..*
0..*
has ◂
0..1
0..*
0..*
VFrameSentenceMap
AdjectivePosition
-positionid: {a,p,ip}
adjectives whose
senses are restricted
to som positions
like certain, dead,
in, out, up, true, gone

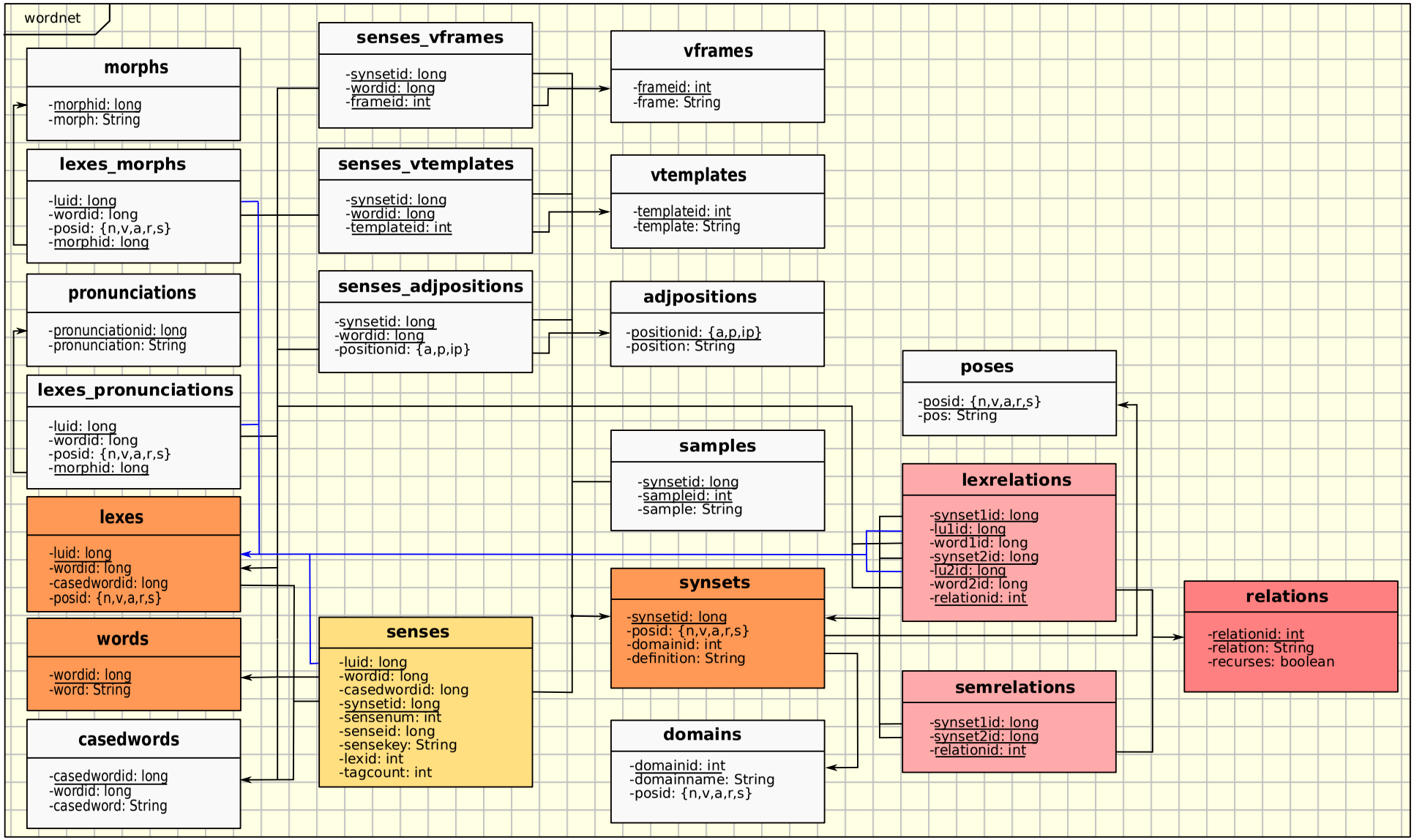
# SCHEMAS


wordnet1
morphs
morphid: long
morph: String
pk
ck
pronunciations
pronunciationid: long
pronunciation: String
pk
ck
lexes_morphs
luid: long
posid: {n,v,a,r,s}
morphid: long
fk
pk
fk
lexes_pronunciations
luid: long
posid: {n,v,a,r,s}
pronunciationid: long
fk
pk
fk
lexes
pk
luid: long
wordid: long
casedwordid: long
posid: {n,v,a,r,s}
pk
fk
fk
words
pk
ck
wordid: long
word: String
pk
casedwords
pk
ck
casedwordid: long
casedword: String
wordid: long
fk
senses
fk
luid: long
synsetid: long
pk
fk
fk
wordid: long
fk
casedwordid: long
ck
senseid: long
sensenum: int
ck
sensekey: String
lexid: int
tagcount: int
synsets
pk
synsetid: long
domainid: int
pk
fk
fk
posid: {n,v,a,r,s}
definition: String
poses
pk
posid: {n,v,a,r,s}
ck
pos: String

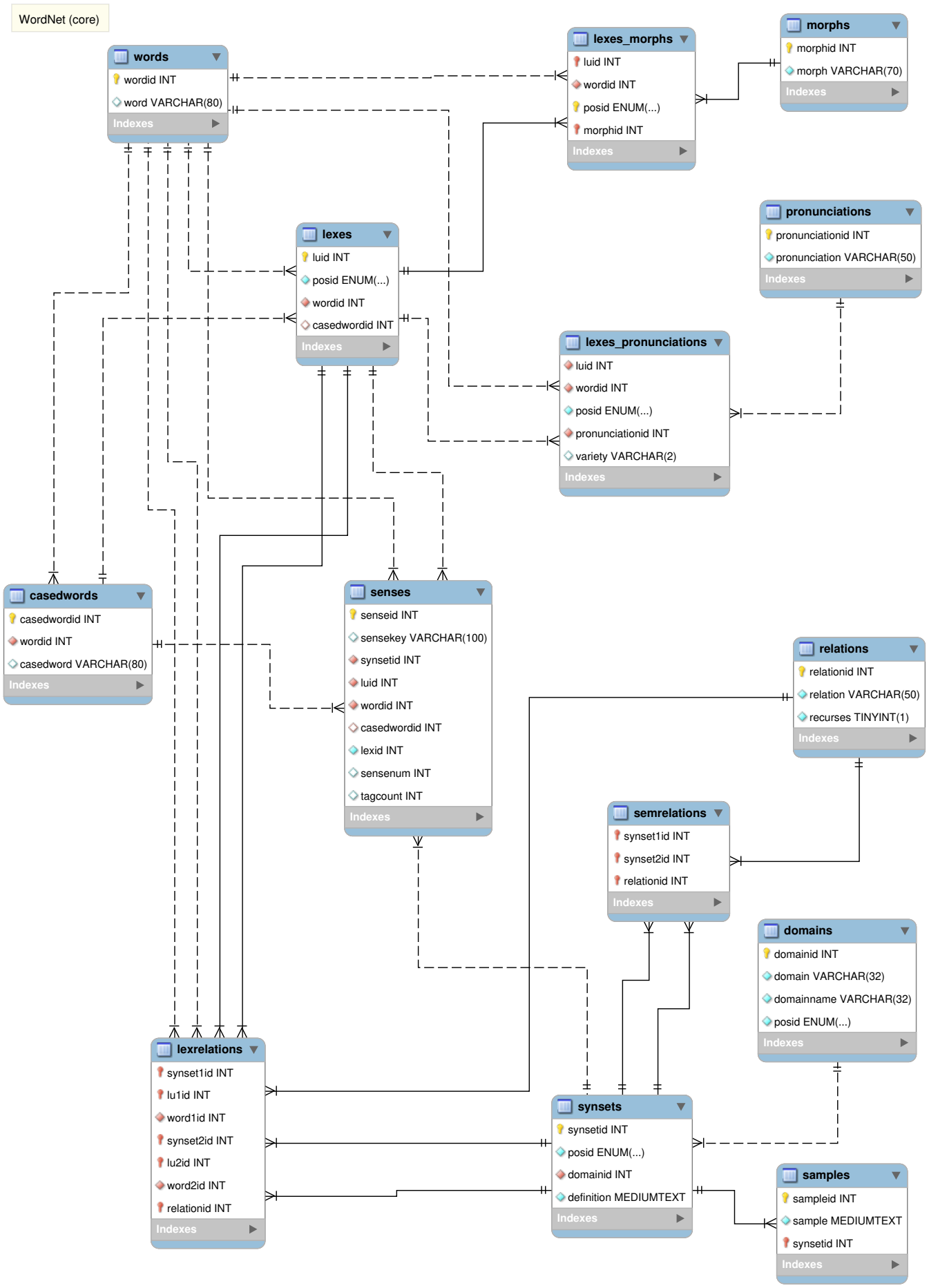

wordnet2
lexes
pk
luid: long
wordid: long
casedwordid: long
posid: {n,v,a,r,s}
fk
fk
words
pk
ck
wordid: long
word: String
pk
domains
ck
domainid: int
domainname: String
posid: {n,v,a,r,s}
pk
synsets
pk
synsetid: long
domainid: int
posid: {n,v,a,r,s}
definition: String
pk
fk
samples
pk
ck
synsetid: long
sampleid: int
sample: String
fk
semrelations
fk
fk
synset1id: long
synset2id: long
relationid: int
pk
fk
senses_adjpositions
pk
synsetid: long
wordid: long
positionid: {a,p,ip}
fk
fk
fk
relations
pk
ck
relationid: int
relation: String
recurses: boolean
pk
lexrelations
fk
fk
fk
fk
fk
synset1id: long
word1id: long
synset2id: long
word2id: long
relationid: int
luid1: long
luid2: long
pk
fk
fk
senses_vframes
fk
fk
wordid: long
synsetid: long
frameid: int
pk
fk
adjpositions
pk
positionid: {a,p,ip}
position: String
senses_vtemplates
fk
fk
wordid: long
synsetid: long
sentenceid: int
pk
fk
vframes
pk
ck
frameid: int
frame: String
vtemplate
pk
ck
sentenceid: int
sentence: String

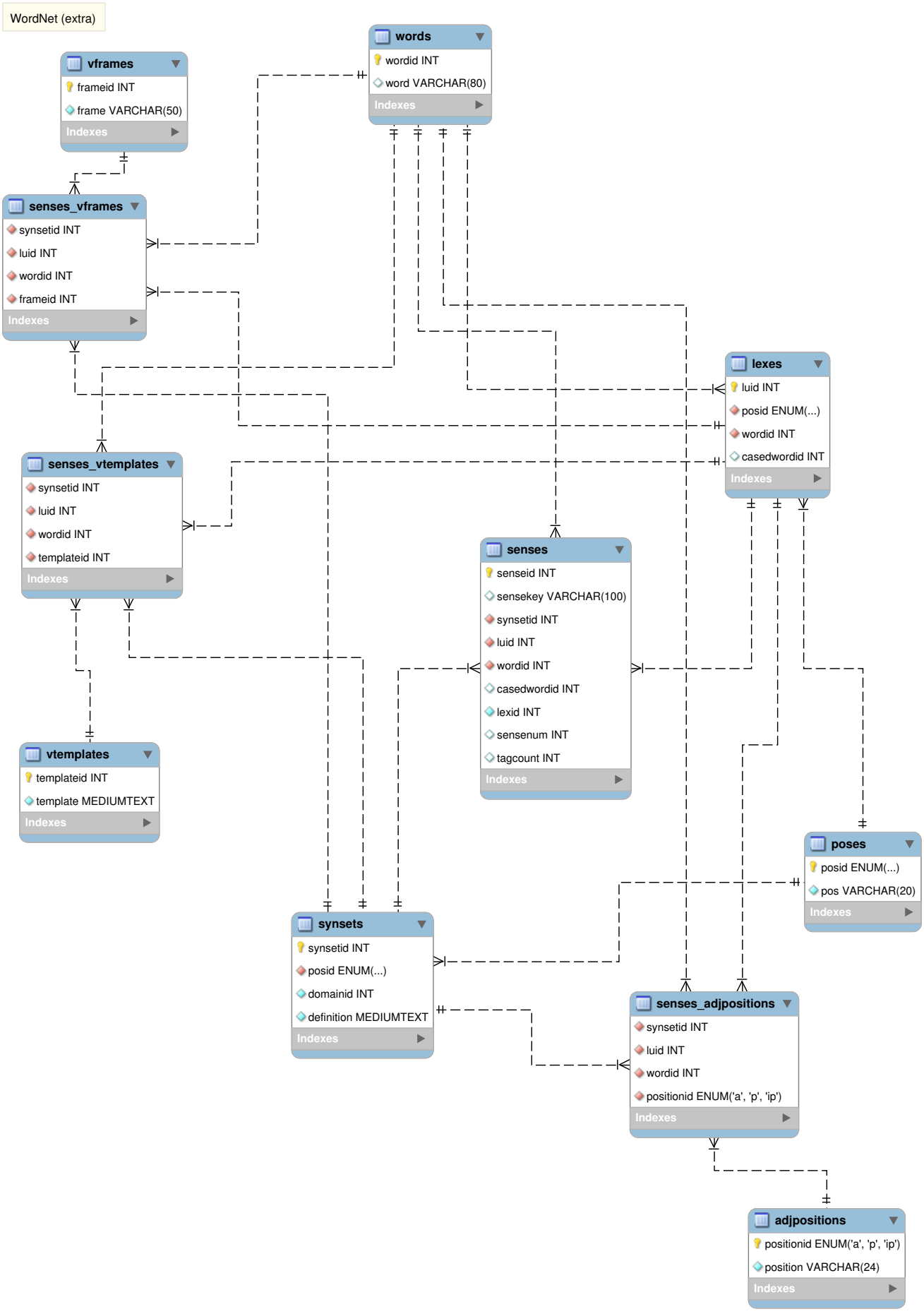
# TABLES


tables
SQL WordNet - core
core
words
-wordid: long
-word: String
lexes
-luid: long
-wordid: long
-casedwordid: String
-posid: {n,v,a,r,s}
senses
-luid: long
-wordid: long
-casedwordid: long
-synsetid: long
-sensenum: int
-senseid: long
-sensekey: String
-lexid: int
-tagcount: int
synsets
-synsetid: long
-posid: {n,v,a,r,s}
-domainid: int
-definition: String
types
relations
-relationid: int
-relation: String
-recurses: boolean
poses
-posid: {n,v,a,r,s}
-pos: String
domains
-domainid: int
-domain: String
-domainname: String
-posid: {n,v,a,r,s}
adjpositions
-positionid: {a,p,ip}
-position: String
relations
lexrelations
-synset1id: long
-lu1id: long
-word1id: long
-synset1id: long
-lu2id: long
-word2id: long
-relationid: int
semrelations
-synset1id: long
-synset2id: long
-relationid: int
extra
casedwords
-casedid: long
-wordid: long
-casedword: String
pronunciations
-pronunciationid: long
-pronunciation: String
morphs
-morphid: long
-morph: String
samples
-synsetid: long
-sampleid: int
-sample: String
vframes
-frameid: int
-frame: String
vtemplates
-template: int
-template: String
lexes_pronunciations
-luid: long
-wordid: long
-posid: {n,v,a,r,s}
-pronunciationd: long
-variety: String
lexes_morphs
-luid: long
-wordid: long
-posid: {n,v,a,r,s}
-morphid: long
senses_adjpositions
-synsetid: long
-luid: long
-wordid: long
-positionid: {a,p,ip}
senses_vframes
-synsetid: long
-luid: long
-wordid: long
-frameid: int
senses_vtemplates
-synsetid: long
-luid: long
-wordid: long
-templateid: int


wordnet
morphs
-morphid: long
-morph: String
lexes_morphs
-luid: long
-wordid: long
-posid: {n,v,a,r,s}
-morphid: long
pronunciations
-pronunciationid: long
-pronunciation: String
lexes_pronunciations
-luid: long
-wordid: long
-posid: {n,v,a,r,s}
-morphid: long
lexes
-luid: long
-wordid: long
-casedwordid: long
-posid: {n,v,a,r,s}
words
-wordid: long
-word: String
casedwords
-casedwordid: long
-wordid: long
-casedword: String
senses_vframes
-synsetid: long
-wordid: long
-frameid: int
senses_vtemplates
-synsetid: long
-wordid: long
-templateid: int
senses_adjpositions
-synsetid: long
-wordid: long
-positionid: {a,p,ip}
senses
-luid: long
-wordid: long
-casedwordid: long
-synsetid: long
-sensenum: int
-senseid: long
-sensekey: String
-lexid: int
-tagcount: int
vframes
-frameid: int
-frame: String
vtemplates
-templateid: int
-template: String
adjpositions
-positionid: {a,p,ip}
-position: String
samples
-synsetid: long
-sampleid: int
-sample: String
synsets
-synsetid: long
-posid: {n,v,a,r,s}
-domainid: int
-definition: String
domains
-domainid: int
-domainname: String
-posid: {n,v,a,r,s}
poses
-posid: {n,v,a,r,s}
-pos: String
lexrelations
-synset1id: long
-lu1id: long
-word1id: long
-synset2id: long
-lu2id: long
-word2id: long
-relationid: int
semrelations
-synset1id: long
-synset2id: long
-relationid: int
relations
-relationid: int
-relation: String
-recurses: boolean

MySQL WorkBench


WordNet (core)
words
wordid INT
word VARCHAR(80)
Indexes
lexes_morphs
luid INT
wordid INT
posid ENUM(...)
morphid INT
Indexes
morphs
morphid INT
morph VARCHAR(70)
Indexes
lexes
luid INT
posid ENUM(...)
wordid INT
casedwordid INT
Indexes
pronunciations
pronunciationid INT
pronunciation VARCHAR(50)
Indexes
lexes_pronunciations
luid INT
wordid INT
posid ENUM(...)
pronunciationid INT
variety VARCHAR(2)
Indexes
casedwords
casedwordid INT
wordid INT
casedword VARCHAR(80)
Indexes
senses
senseid INT
sensekey VARCHAR(100)
synsetid INT
luid INT
wordid INT
casedwordid INT
lexid INT
sensenum INT
tagcount INT
Indexes
relations
relationid INT
relation VARCHAR(50)
recurses TINYINT(1)
Indexes
semrelations
synset1id INT
synset2id INT
relationid INT
Indexes
domains
domainid INT
domain VARCHAR(32)
domainname VARCHAR(32)
posid ENUM(...)
Indexes
lexrelations
synset1id INT
lu1id INT
word1id INT
synset2id INT
lu2id INT
word2id INT
relationid INT
Indexes
synsets
synsetid INT
posid ENUM(...)
domainid INT
definition MEDIUMTEXT
Indexes
samples
sampleid INT
sample MEDIUMTEXT
synsetid INT
Indexes


WordNet (extra)
words
wordid INT
word VARCHAR(80)
Indexes
vframes
frameid INT
frame VARCHAR(50)
Indexes
senses_vframes
synsetid INT
luid INT
wordid INT
frameid INT
Indexes
lexes
luid INT
posid ENUM(...)
wordid INT
casedwordid INT
Indexes
senses_vtemplates
synsetid INT
luid INT
wordid INT
templateid INT
Indexes
senses
senseid INT
sensekey VARCHAR(100)
synsetid INT
luid INT
wordid INT
casedwordid INT
lexid INT
sensenum INT
tagcount INT
Indexes
vtemplates
templateid INT
template MEDIUMTEXT
Indexes
poses
posid ENUM(...)
pos VARCHAR(20)
Indexes
synsets
synsetid INT
posid ENUM(...)
domainid INT
definition MEDIUMTEXT
Indexes
senses_adjpositions
synsetid INT
luid INT
wordid INT
positionid ENUM('a', 'p', 'ip')
Indexes
adjpositions
positionid ENUM('a', 'p', 'ip')
position VARCHAR(24)
Indexes