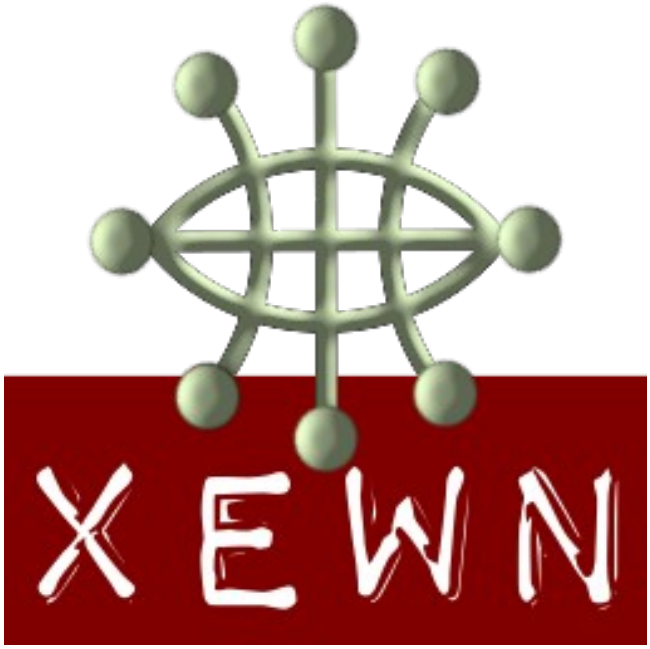


Xtended English WordNet

SQL-UNET DESIGN

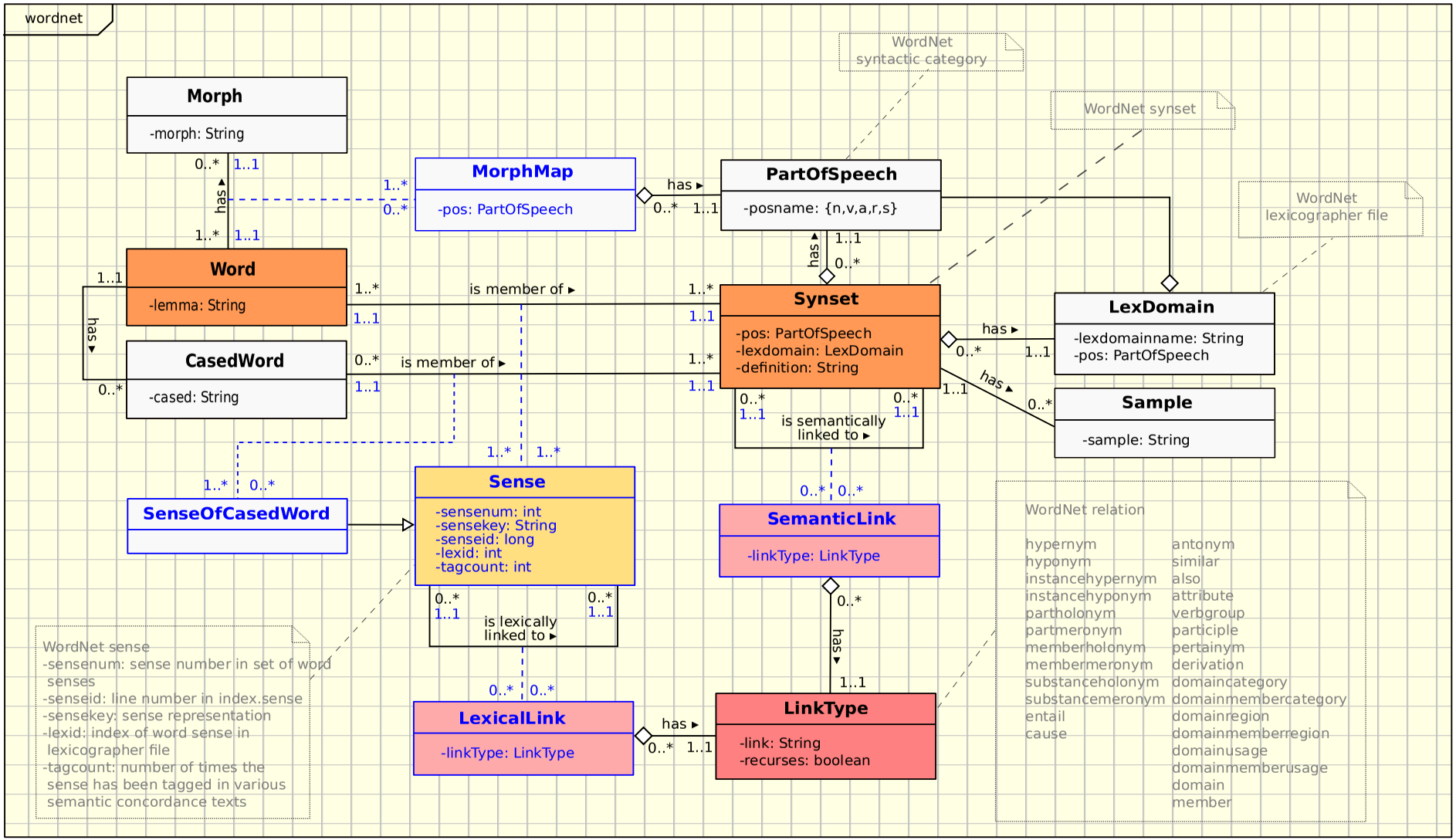
version 5.0.1

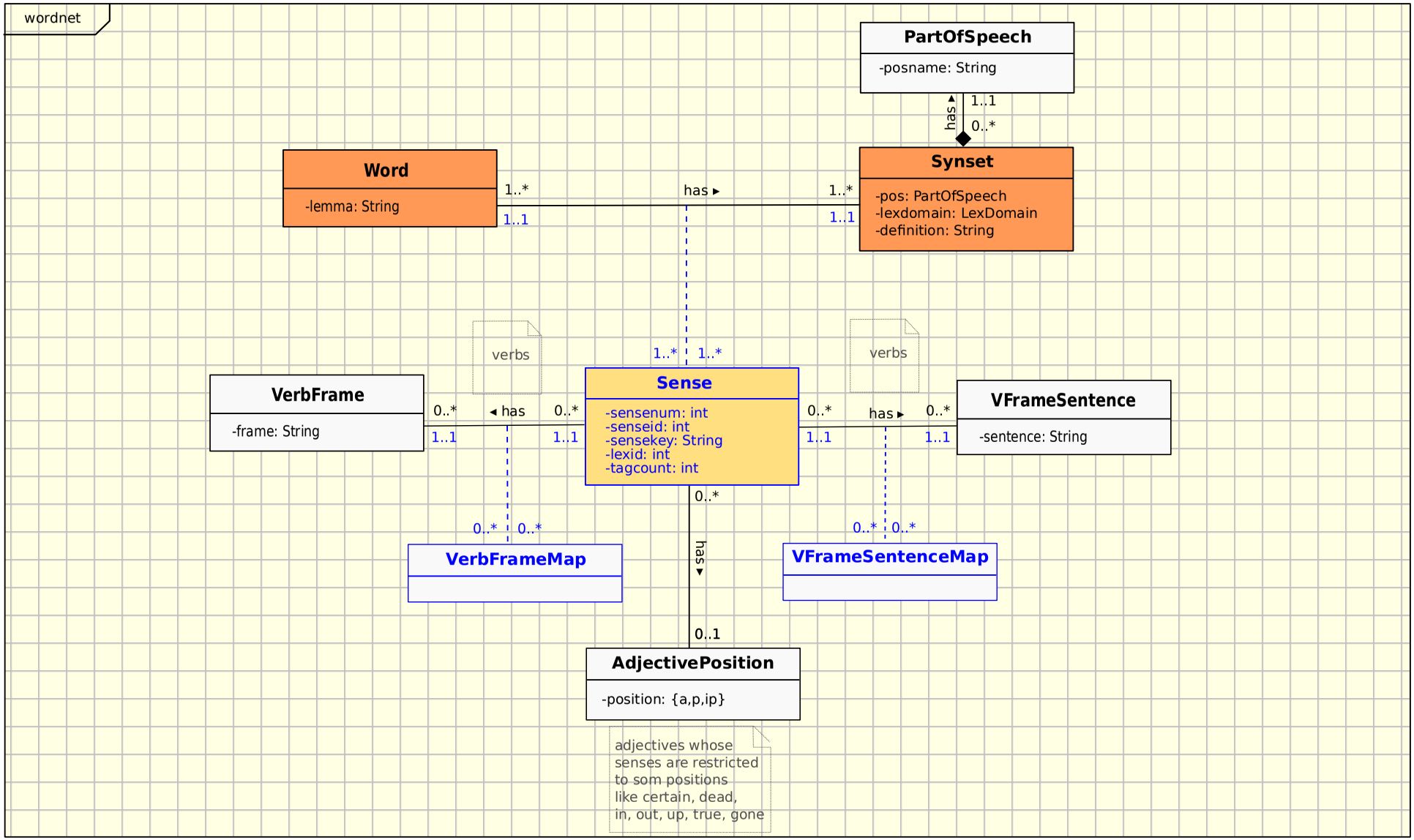
May 2020

Bernard Bou

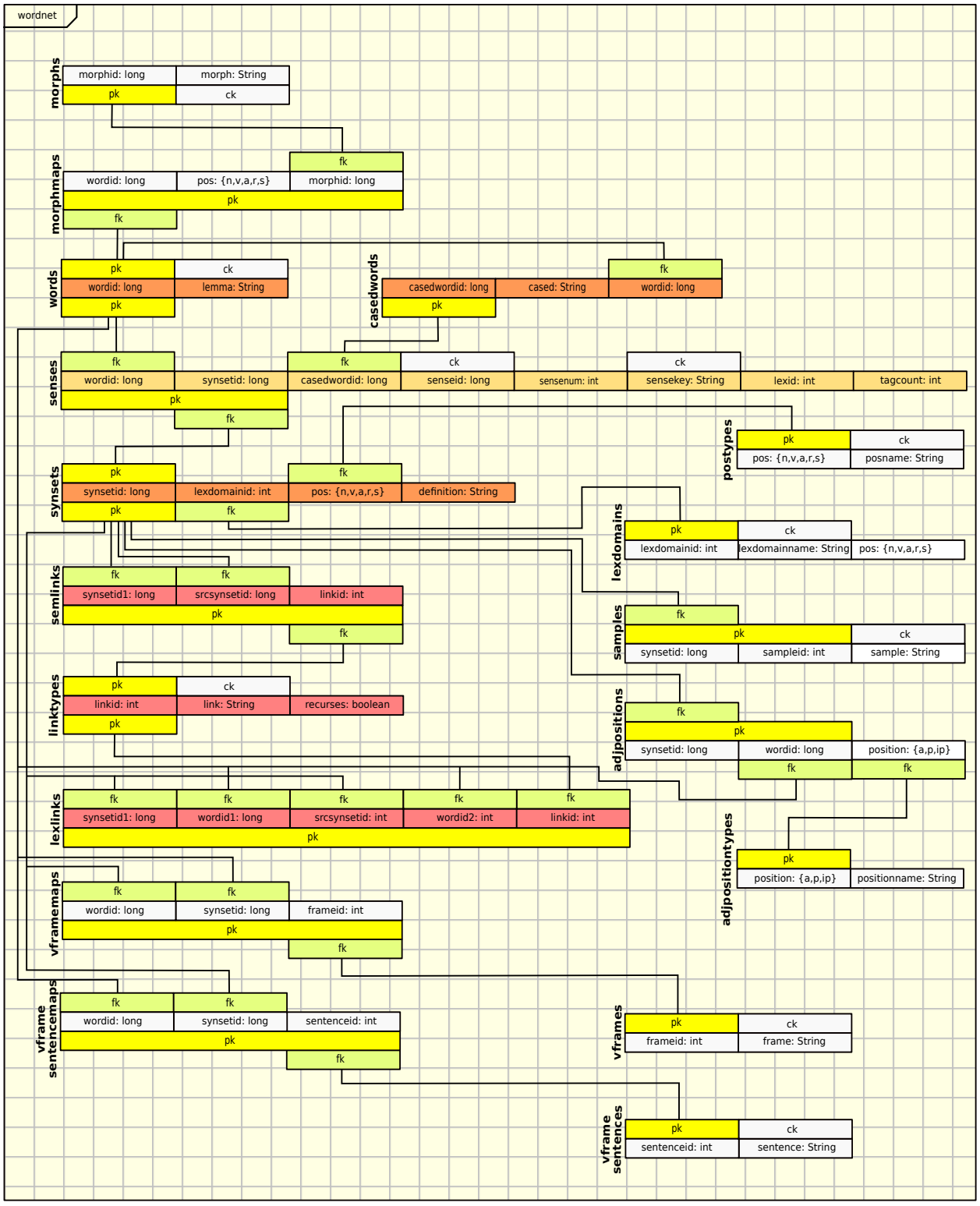
<1313ou@gmail.com>

UML

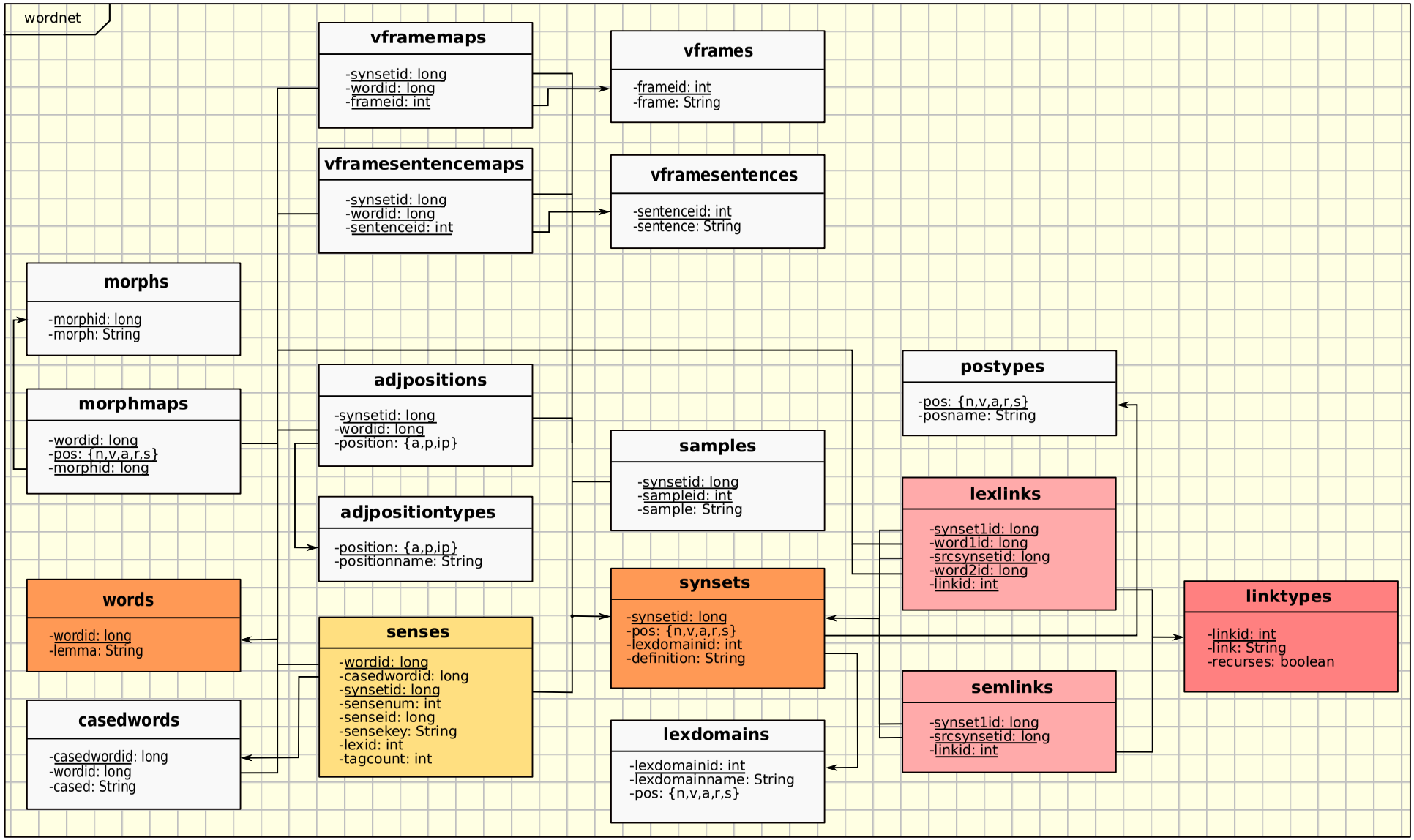

wordnet
WordNet syntactic category
WordNet synset
WordNet lexicographer file
Morph
-morph: String
MorphMap
-pos: PartOfSpeech
PartOfSpeech
-posname: {n,v,a,r,s}
Word
-lemma: String
CasedWord
-cased: String
Synset
-pos: PartOfSpeech
-lexdomain: LexDomain
-definition: String
LexDomain
-lexdomainname: String
-pos: PartOfSpeech
Sample
-sample: String
Sense
-sensenum: int
-sensekey: String
-senseid: long
-lexid: int
-tagcount: int
SenseOfCasedWord
SemanticLink
-linkType: LinkType
LexicalLink
-linkType: LinkType
LinkType
-link: String
-recurses: boolean
has
is member of
is semantically linked to
is lexically linked to
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 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
PartOfSpeech
-posname: String
has
1..1
0..*
Word
-lemma: String
1..*
has ▸
1..*
1..1
1..1
Synset
-pos: PartOfSpeech
-lexdomain: LexDomain
-definition: String
verbs
1..*
1..*
verbs
VerbFrame
-frame: String
0..*
◂ has
0..*
1..1
1..1
Sense
-sensenum: int
-senseid: int
-sensekey: String
-lexid: int
-tagcount: int
0..*
has ▸
0..*
1..1
1..1
VFrameSentence
-sentence: String
0..*
0..*
0..*
0..*
VerbFrameMap
0..*
has
0..*
0..*
VFrameSentenceMap
0..1
AdjectivePosition
-position: {a,p,ip}
adjectives whose
senses are restricted
to som positions
like certain, dead,
in, out, up, true, gone

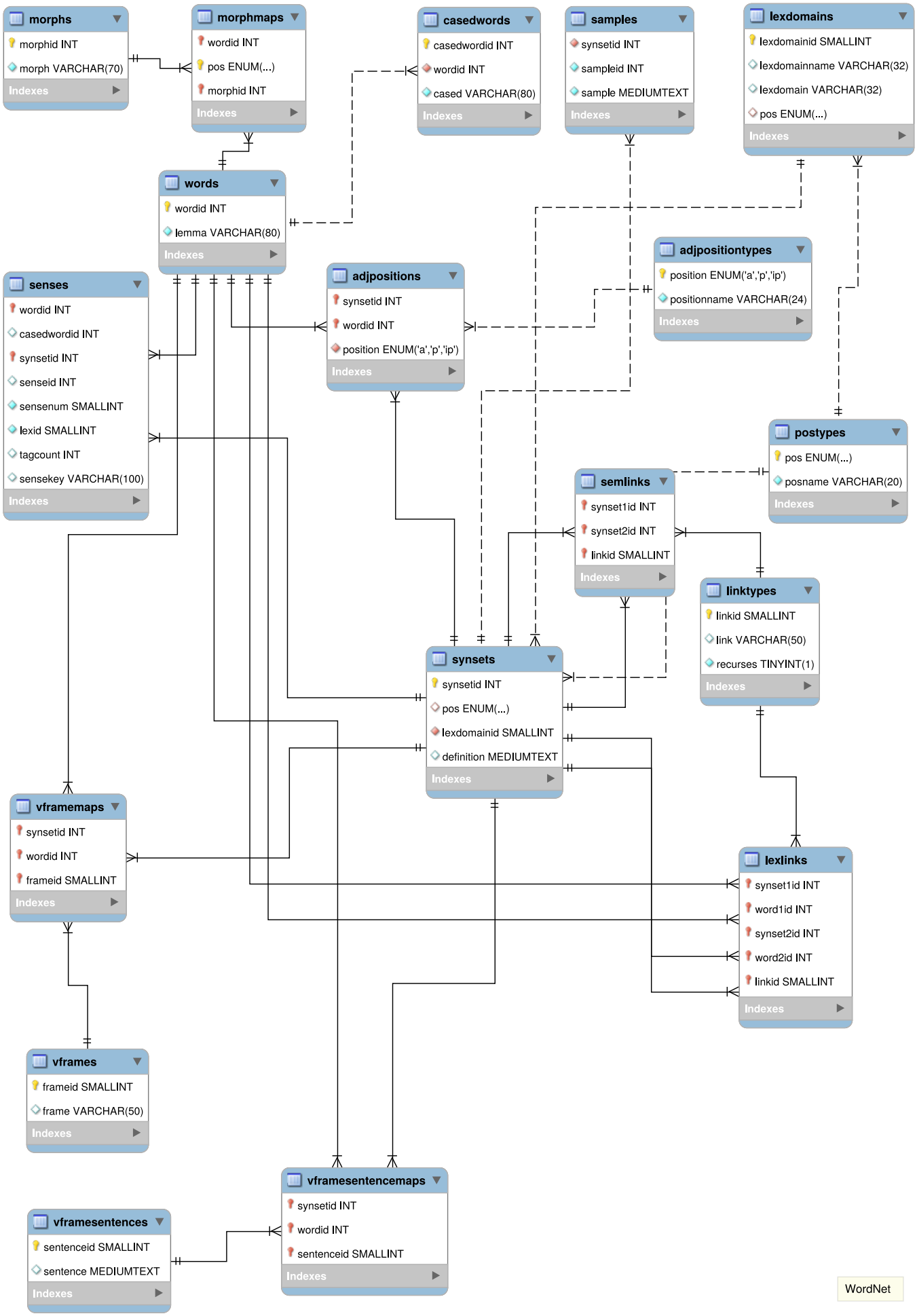
SCHEMAS


wordnet
morphs
morphid: long
morph: String
pk
ck
morphmaps
wordid: long
pos: {n,v,a,r,s}
morphid: long
fk
pk
words
lemma: String
casedwords
casedwordid: long
cased: String
wordid: long
senses
synsetid: long
casedwordid: long
senseid: long
sensenum: int
sensekey: String
lexid: int
tagcount: int
postypes
posname: String
synsets
lexdomainid: int
definition: String
lexdomains
lexdomainname: String
semlinks
synsetid1: long
srcsynsetid: long
linkid: int
samples
sampleid: int
sample: String
linktypes
link: String
recurses: boolean
adjpositions
position: {a,p,ip}
lexlinks
wordid1: long
srcsynsetid: int
wordid2: int
linkid: int
adjpositiontypes
positionname: String
vframemaps
frameid: int
vframe sentencemaps
sentenceid: int
vframes
frame: String
vframe sentences
sentence: String

TABLES


wordnet
vframemaps
-synsetid: long
-wordid: long
-frameid: int
vframes
-frameid: int
-frame: String
vframesentencemaps
-synsetid: long
-wordid: long
-sentenceid: int
vframesentences
-sentenceid: int
-sentence: String
morphs
-morphid: long
-morph: String
morphmaps
-wordid: long
-pos: {n,v,a,r,s}
-morphid: long
adjpositions
-synsetid: long
-wordid: long
-position: {a,p,ip}
adjpositiontypes
-position: {a,p,ip}
-positionname: String
postypes
-pos: {n,v,a,r,s}
-posname: String
samples
-synsetid: long
-sampleid: int
-sample: String
lexlinks
-synset1id: long
-word1id: long
-srcsynsetid: long
-word2id: long
-linkid: int
words
-wordid: long
-lemma: String
senses
-wordid: long
-casedwordid: long
-synsetid: long
-sensenum: int
-senseid: long
-sensekey: String
-lexid: int
-tagcount: int
synsets
-synsetid: long
-pos: {n,v,a,r,s}
-lexdomainid: int
-definition: String
linktypes
-linkid: int
-link: String
-recurses: boolean
casedwords
-casedwordid: long
-wordid: long
-cased: String
lexdomains
-lexdomainid: int
-lexdomainname: String
-pos: {n,v,a,r,s}
semlinks
-synset1id: long
-srcsynsetid: long
-linkid: int

MySQL WorkBench


morphs
morphid INT
morph VARCHAR(70)
Indexes
morphmaps
wordid INT
pos ENUM(...)
morphid INT
Indexes
casedwords
casedwordid INT
wordid INT
cased VARCHAR(80)
Indexes
samples
synsetid INT
sampleid INT
sample MEDIUMTEXT
Indexes
lexdomains
lexdomainid SMALLINT
lexdomainname VARCHAR(32)
lexdomain VARCHAR(32)
pos ENUM(...)
Indexes
words
wordid INT
lemma VARCHAR(80)
Indexes
adjpositiontypes
position ENUM('a','p','ip')
positionname VARCHAR(24)
Indexes
senses
wordid INT
casedwordid INT
synsetid INT
senseid INT
sensenum SMALLINT
lexid SMALLINT
tagcount INT
sensekey VARCHAR(100)
Indexes
adjpositions
synsetid INT
wordid INT
position ENUM('a','p','ip')
Indexes
postypes
pos ENUM(...)
posname VARCHAR(20)
Indexes
semlinks
synset1id INT
synset2id INT
linkid SMALLINT
Indexes
linktypes
linkid SMALLINT
link VARCHAR(50)
recurses TINYINT(1)
Indexes
synsets
synsetid INT
pos ENUM(...)
lexdomainid SMALLINT
definition MEDIUMTEXT
Indexes
vframemaps
synsetid INT
wordid INT
frameid SMALLINT
Indexes
lexlinks
synset1id INT
word1id INT
synset2id INT
word2id INT
linkid SMALLINT
Indexes
vframes
frameid SMALLINT
frame VARCHAR(50)
Indexes
vframesentencemaps
synsetid INT
wordid INT
sentenceid SMALLINT
Indexes
vframesentences
sentenceid SMALLINT
sentence MEDIUMTEXT
Indexes
WordNet