

# msaSDK Module

## `.models.wdc`

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## Attributes

`__version__` module-attribute

```
__version__ = '0.1.1'
```

## Classes

### WDCDocument

Bases: `SQLModel`

#### Attributes

`content` class-attribute

```
content: str = ''
```

`entities` class-attribute

```
entities: List[WDCSpan] = []
```

`meanings` class-attribute

```
meanings: List[WDCMeaning] = []
```

`ndepends` class-attribute

```
ndepends: int = 0
```

nentities class-attribute

```
nentities: int = 0
```

nmeanings class-attribute

```
nmeanings: int = 0
```

npages class-attribute

```
npages: int = 0
```

nparagraphs class-attribute

```
nparagraphs: int = 0
```

nsentences class-attribute

```
nsentences: int = 0
```

ntokens class-attribute

```
ntokens: int = 0
```

ntriples class-attribute

```
ntriples: int = 0
```

nwords class-attribute

```
nwords: int = 0
```

pages class-attribute

```
pages: List[WDCPage] = []
```

## Functions

**addEntity**

```
addEntity(entity: WDCSpan)
```

### addMeaning

```
addMeaning(meaning: WDCMeaning, pos: WDCPosition)
```

### addPage

```
addPage(page: WDCPage)
```

### getCurrentPageID

```
getCurrentPageID()
```

## WDCItem

Bases: `SQLModel`

### Attributes

id class-attribute

```
id: int = -1
```

pos class-attribute

```
pos: List[Tuple] = []
```

pos\_text class-attribute

```
pos_text: List[str] = []
```

score class-attribute

```
score: float = 0.0
```

text class-attribute

```
text: str = ''
```

type class-attribute

```
type: str = ''
```

## WDCMLDocument

Bases: SQLModel

### Attributes

content class-attribute

```
content: str = ''
```

df\_data class-attribute

```
df_data: List = []
```

entries class-attribute

```
entries: List[WDCMLEntry] = []
```

leaderboard\_html class-attribute

```
leaderboard_html: str = ''
```

nentries class-attribute

```
nentries: int = 0
```

prediction\_html class-attribute

```
prediction_html: str = ''
```

profile\_html class-attribute

```
profile_html: str = ''
```

profile\_learn\_html class-attribute

```
profile_learn_html: str = ''
```

raw\_json class-attribute

```
raw_json: List[Dict] = []
```

targetsList class-attribute

```
targetsList: List = []
```

trainList class-attribute

```
trainList: List = []
```

## Functions

### addEntry

```
addEntry(entry: WDCMLEEntry)
```

### get\_leaderboard\_html

```
get_leaderboard_html() -> str
```

### get\_prediction\_html

```
get_prediction_html() -> str
```

### get\_profile\_html

```
get_profile_html() -> str
```

### get\_profile\_learn\_html

```
get_profile_learn_html() -> str
```

### set\_leaderboard\_html

```
set_leaderboard_html(strHTML: str)
```

**set\_prediction\_html**

```
set_prediction_html(strHTML: str)
```

**set\_profile\_html**

```
set_profile_html(strHTML: str)
```

**set\_profile\_learn\_html**

```
set_profile_learn_html(strHTML: str)
```

## WDCMLEntry

Bases: `SQLModel`

**Attributes**

density `class-attribute`

```
density: float = 0.0
```

en\_tokens `class-attribute`

```
en_tokens: List[str] = []
```

en\_upos `class-attribute`

```
en_upos: List[str] = []
```

en\_xpos `class-attribute`

```
en_xpos: List[str] = []
```

entities `class-attribute`

```
entities: List[WDCSpan] = []
```

id `class-attribute`

```
id: int = -1
```

lng\_tokens class-attribute

```
lng_tokens: List[str] = []
```

lng\_upos class-attribute

```
lng_upos: List[str] = []
```

lng\_xpos class-attribute

```
lng_xpos: List[str] = []
```

meanings class-attribute

```
meanings: List[WDCMeaning] = []
```

misc class-attribute

```
misc: Dict = {}
```

nentities class-attribute

```
nentities: int = 0
```

nmeanings class-attribute

```
nmeanings: int = 0
```

sentiment class-attribute

```
sentiment: str = ''
```

text class-attribute

```
text: str = ''
```

text\_en class-attribute

```
text_en: str = ''
```

## Functions

### addEntity

```
addEntity(entity: WDCSpan)
```

### addMeaning

```
addMeaning(meaning: WDCMeaning, pos: WDCPosition)
```

## WDCMeaning

Bases: `SQLModel`

### Attributes

Dict class-attribute

```
Dict = {}
```

context class-attribute

```
context: List[str] = []
```

description class-attribute

```
description: str = ''
```

domains class-attribute

```
domains: List[str] = []
```

entailments class-attribute

```
entailments: List[str] = []
```

frames class-attribute



```
frames: List[str] = []
```

frames\_id class-attribute

```
frames_id: List[int] = []
```

frames\_set class-attribute

```
frames_set: List[str] = []
```

frames\_set\_id class-attribute

```
frames_set_id: List[int] = []
```

hits class-attribute

```
hits: int = 1
```

holonyms class-attribute

```
holonyms: List[str] = []
```

hypernyms class-attribute

```
hypernyms: List[str] = []
```

hyponyms class-attribute

```
hyponyms: List[str] = []
```

id class-attribute

```
id: int = -1
```

lemmas class-attribute

```
lemmas: List[str] = []
```

lexname class-attribute

```
lexname: str = ''
```

meronyms class-attribute

```
meronyms: List[str] = []
```

misc class-attribute

```
misc = {}
```

name class-attribute

```
name: str = ''
```

offset class-attribute

```
offset: int = 0
```

pos class-attribute

```
pos: str = ''
```

positions class-attribute

```
positions: List[WDCPosition] = []
```

root class-attribute

```
root: str = ''
```

root\_tree class-attribute

```
root_tree: List[str] = []
```

root\_tree\_names class-attribute

```
root_tree_names: List[str] = []
```

sees class-attribute

```
sees: List[str] = []
```

similar class-attribute

```
similar: List[str] = []
```

ssid class-attribute

```
ssid: str = ''
```

synset class-attribute

```
synset: str = ''
```

token class-attribute

```
token: str = ''
```

tree class-attribute

```
tree: List[str] = []
```

tree\_names class-attribute

```
tree_names: List[str] = []
```

type class-attribute

```
type: str = ''
```

## Functions

### addPosition

```
addPosition(pos: WDCPosition)
```

### get\_domains

```
get_domains() -> str
```

### **get\_entailments**

```
get_entailments() -> str
```

### **get\_frames**

```
get_frames() -> str
```

### **get\_frames\_set**

```
get_frames_set() -> str
```

### **get\_holonyms**

```
get_holonyms() -> str
```

### **get\_hyponyms**

```
get_hyponyms() -> str
```

### **get\_hyponyms**

```
get_hyponyms() -> str
```

### **get\_lemmas**

```
get_lemmas() -> str
```

### **get\_meronyms**

```
get_meronyms() -> str
```

### **get\_root\_tree**

```
get_root_tree() -> str
```

### **get\_root\_tree\_names**

```
get_root_tree_names() -> str
```

**get\_sees**

```
get_sees() -> str
```

**get\_similar**

```
get_similar() -> str
```

**get\_synset\_list\_names**

```
get_synset_list_names(
    lst_syn: List, sep: str = ", "
) -> str
```

**get\_tooltip**

```
get_tooltip() -> str
```

**get\_tree**

```
get_tree() -> str
```

**processSynset**

```
processSynset(syn, type: str)
```

## WDCPage

Bases: `SQLModel`

**Attributes**

content `class-attribute`

```
content: str = ''
```

e `class-attribute`

```
e: int = -1
```

id `class-attribute`

```
id: int = -1
```

nparagraphs class-attribute

```
nparagraphs: int = 0
```

paragraphs class-attribute

```
paragraphs: List[WDCParagraph] = []
```

S class-attribute

```
s: int = -1
```

## Functions

### addParagraph

```
addParagraph(paragraph: WDCParagraph)
```

## WDCParagraph

Bases: SQLModel

### Attributes

content class-attribute

```
content: str = ''
```

id class-attribute

```
id: int = -1
```

lang class-attribute

```
lang: Optional[str] = None
```

ndepends class-attribute

```
ndepends: int = 0
```

nentities class-attribute

```
nentities: int = 0
```

nsentences class-attribute

```
nsentences: int = 0
```

ntokens class-attribute

```
ntokens: int = 0
```

nwords class-attribute

```
nwords: int = 0
```

position class-attribute

```
position: WDCPosition = WDCPosition()
```

semantic class-attribute

```
semantic: str = ''
```

sentences class-attribute

```
sentences: List[WDCSentence] = []
```

## Functions

### addPosition

```
addPosition(pos: WDCPosition)
```

### addSentence

```
addSentence(sentence: WDCSentence)
```

## getTextNoLF

```
getTextNoLF()
```

## WDCPosition

Bases: `SQLModel`

### Attributes

e `class-attribute`

```
e: int = -1
```

id `class-attribute`

```
id: int = 0
```

pageid `class-attribute`

```
pageid: int = -1
```

paraid `class-attribute`

```
paraid: int = -1
```

S `class-attribute`

```
s: int = -1
```

senid `class-attribute`

```
senid: int = -1
```

## WDCSentence

Bases: `SQLModel`

### Attributes



density class-attribute

```
density: float = 0.0
```

dependencies class-attribute

```
dependencies: List = []
```

en\_tokens class-attribute

```
en_tokens: List[str] = []
```

en\_upos class-attribute

```
en_upos: List[str] = []
```

en\_xpos class-attribute

```
en_xpos: List[str] = []
```

id class-attribute

```
id: int = -1
```

lng\_tokens class-attribute

```
lng_tokens: List[str] = []
```

lng\_upos class-attribute

```
lng_upos: List[str] = []
```

lng\_xpos class-attribute

```
lng_xpos: List[str] = []
```

misc class-attribute

```
misc: Dict = {}
```

`ndepends` class-attribute

```
ndepends: int = 0
```

`nentities` class-attribute

```
nentities: int = 0
```

`ntokens` class-attribute

```
ntokens: int = 0
```

`ntriples` class-attribute

```
ntriples: int = 0
```

`nwords` class-attribute

```
nwords: int = 0
```

`position` class-attribute

```
position: WDCPosition = WDCPosition()
```

`sentiment` class-attribute

```
sentiment: str = ''
```

`text` class-attribute

```
text: str = ''
```

`text_en` class-attribute

```
text_en: str = ''
```

`tokens` class-attribute

```
tokens: List[WDCToken] = []
```

triples class-attribute

```
triples: List[WDCTriple] = []
```

## Functions

### addPosition

```
addPosition(pos: WDCPosition)
```

### addToken

```
addToken(tok: WDCToken)
```

### addTriple

```
addTriple(triple: WDCTriple)
```

## WDCSpan

Bases: SQLModel

## Attributes

Dict class-attribute

```
Dict = {}
```

id class-attribute

```
id: int = -1
```

misc class-attribute

```
misc = {}
```

npos class-attribute

```
npos: int = 0
```

ntokens class-attribute

```
ntokens: int = 0
```

positions class-attribute

```
positions: List[WDCPosition] = []
```

text class-attribute

```
text: str = ''
```

tokens class-attribute

```
tokens: List[WDCToken] = []
```

type class-attribute

```
type: str = ''
```

## Functions

### addPosition

```
addPosition(pos: WDCPosition)
```

## WDCToken

Bases: SQLModel

### Attributes

density class-attribute

```
density: float = 0.0
```

id class-attribute

```
id: int = -1
```

**misc** class-attribute

```
misc: Dict = {}
```

**ner** class-attribute

```
ner: str = ''
```

**nwords** class-attribute

```
nwords: int = 0
```

**position** class-attribute

```
position: WDCPosition = WDCPosition()
```

**text** class-attribute

```
text: str = ''
```

**words** class-attribute

```
words: List[WDCWord] = []
```

## Functions

### addWord

```
addWord(wrd: WDCWord)
```

## WDCTriple

**Bases:** SQLModel

### Attributes

**id** class-attribute

```
id: int = -1
```

object class-attribute

```
object: Dict = {}
```

perspective class-attribute

```
perspective: Dict = {}
```

position class-attribute

```
position: WDCPosition = WDCPosition()
```

predicate class-attribute

```
predicate: Dict = {}
```

score class-attribute

```
score: float = 0.0
```

subject class-attribute

```
subject: Dict = {}
```

utterance class-attribute

```
utterance: str = ''
```

## WDCWord

Bases: SQLModel

### Attributes

deps class-attribute

```
deps: str = ''
```

head class-attribute

```
head: int = -1
```

id class-attribute

```
id: int = -1
```

label class-attribute

```
label: str = ''
```

lemma class-attribute

```
lemma: str = ''
```

misc class-attribute

```
misc: Optional[str] = None
```

morph class-attribute

```
morph: str = ''
```

pos class-attribute

```
pos: str = ''
```

role class-attribute

```
role: str = ''
```

text class-attribute

```
text: str = ''
```

type class-attribute

```
type: Optional[str] = ''
```

Last update: September 13, 2022

Created: September 13, 2022