

grammar org.omnimoire.OMNIMOIRE with org.eclipse.xtext.common.Terminals

generate omnimoire "http://omnimoire/lang"

Model:

```
    root=RootConfig
    layers+=Layer*
;
```

RootConfig:

```
    'ORIGIN' '{'
        'facets:' '[' facets+=ID (',' facets+=ID)* ']'
        'authority:' authority=ID
        'consciousness:' consciousness=ID
        'scope:' scope=ID
    '}'
;
```

Layer:

```
    'LAYER' index=INT ':' name=ID
    'Cloth:' cloth=ClothDecl
    'Purpose:' purpose=TEXT
    'Spells' 'Active:' spellBlock=SpellBlock
    'Implementation:' impl=Implementation
;
```

ClothDecl:

```
    cloths+=ID ('-' cloths+=ID)*
;
```

SpellBlock:

```
    spells+=SpellLine+
;
```

SpellLine:

```
    '.' name=ID ('->' description=TEXT)?
;
```

Implementation:

```
    classes+=ClassDecl+
;
```

ClassDecl:

```
    'class' name=ID ':'
```

```

    (INDENT methods+=MethodDecl+ DEDENT)?
;

MethodDecl:
    'def' name=ID '(' params=ParamList? ')' ':'
    (INDENT body+=Statement+ DEDENT)?
;

ParamList:
    params+=ID (',' params+=ID)*
;

Statement:
    Assignment | Call | Comment | TEXT
;

Assignment:
    var=ID '=' expr=Expression
;

Call:
    expr=Expression
;

Expression:
    ID '(' (args+=Expression (',' args+=Expression)*)? ')'?
;

Comment:
    '#' !('\n')*
;

// TEXT is any freeform line not matching other rules
terminal TEXT:
    /[^\n]+/
;

```