Grammar

[x] denotes zero or one occurrences of x.
{x} denotes zero or more occurrences of x.
x | y means one of either x or y.

ClassBody:
{ {*ClassBodyDeclaration*} }
ClassBodyDeclaration:
;
| [`static`] *Block*
| {***OtherModifier***} *MemberDecl*
OtherModifier:
OtherAnnotation | `public` | `protected` | `private` | `static` | `abstract` | `final` | `native` | `synchronized` | `transient` | `volatile` | `strictfp`
MemberDecl:
| *GenericMethodOrConstructorDecl*
| ***MethodDecl***
| ***FieldDecl***
| `void` *Identifier MethodDeclaratorRest*
| *Identifier ConstructorDeclaratorRest*
| *ClassOrInterfaceDeclaration*
ClassOrInterfaceDeclaration:
ModifiersOpt (*ClassDeclaration* | *InterfaceDeclaration*)
ClassDeclaration:
`class` **[**`@simpl_inherit`**]** **[**`@xml_tag("`***TagName***`")`**]** **[*XMLOtherTags*]** *Identifier* [`extends` *Type*] [`implements` *TypeList*] *ClassBody*
Type:
Identifier [*TypeArguments*]{ . *Identifier* [*TypeArguments*]} {[ ]}
| *BasicType*
TypeArguments:
< *TypeArgument* {, *TypeArgument*} >
TypeArgument:
Type
| ? [(`extends` | `super`) *Type*]
FieldDecl:
[`@xml_tag("`***TagName***`")`**]** **[*XMLOtherTags*]** **[*SIMPLClasses*]** ***SIMPLIndividualAnnotation*** *Type Identifier MethodOrFieldRest*
| ***SIMPLCollectionAnnotation*** *Identifier MethodOrFieldRest*
SIMPLIndividualAnnotation:
`@simpl_composite`
| `@simpl_scalar`
| `@simpl_hints({HintName {, HintName }})`
| `@simpl_filter(regex = "Expression")`
SIMPLCollectionAnnotation:
`@simpl_wrap` | `@simpl_nowrap`
`@simpl_collection(["`***TagName***`"])` **[*SIMPLClasses*]** *Identifier TypeArguments*
| `@simpl_map(["`***TagName***`"])` **[*SIMPLClasses*]** *Identifier TypeArguments*
SIMPLClasses:
`@simpl_classes({`***ClassName***`.class{, `***ClassName***`.class}})`
SIMPLScope:
`@simpl_scope(`***TranslationScope***`)`
XMLOtherTags:
`@xml_other_tags({"`***TagName***`"{, "`***TagName***`"}})`
TagName:
any allowed XML tag name
ClassName:
name of any existing class
TranslationScope:
a translation scope containing set of classes.
HintName:
XML_ATTRIBUTE, XML_LEAF, XML_LEAF_CDATA, XML_TEXT, XML_TEXT_CDATA, or UNDEFINED