Gaudi Object Description v2r0

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Short Reference

1 The elements

```
<GDD>         := (<IMPORT>* <PACKAGE>+) | (<IMPORT>* <CLASS>)
<PACKAGE>     := <IMPORT>* <CLASS>*
<CLASS>       := <DESC>? <BASE>* <IMPORT>* <CONSTRUCTOR>* <DESTRUCTOR>*
                 <METHOD>* <ATTRIBUTE>* <RELATION>*
<DESC>        := #PCDATA
<CONSTRUCTOR> := <ARG>* <CODE>?
<DESTRUCTOR>  := <ARG>* <CODE>?
<METHOD>      := <ARG>* <RETURN>? <CODE>?
<CODE>        := #PCDATA
```

2 The attributes

Element	Attribute	Value	Required	Default
GDD	version	text	yes	1.0
IMPORT	name	text	yes	-
	std	TRUE, FALSE	yes	FALSE
	soft	TRUE, FALSE	yes	FALSE
PACKAGE	name	text	yes	-
CLASS	name	text	yes	-
	author	text	yes	-
	desc	text	yes	-
	filename[1]	text	no	-
	id	text	no	-
	templateVector	TRUE, FALSE	yes	TRUE
	templateList	TRUE, FALSE	yes	TRUE
DESC	xml:space[2]	default, preserve	yes	preserve
BASE	name	text	yes	-
	virtual	TRUE, FALSE	yes	FALSE
	access	PUBLIC, PROTECTED, PRIVATE	yes	PUBLIC
CONSTRUCTOR	desc	text	yes	-
	argList	text	no	-
	argInOut	text	no	-

[1] Is used to setup the database of packages, should not be used in regular xml-files
[2] fixed, can't be changed

Element	Attribute	Value	Required	Default
DESTRUCTOR	desc	text	yes	-
	argList	text	no	-
	argInOut	text	no	-
METHOD	name	text	yes	-
	desc	text	yes	-
	access	PUBLIC, PROTECTED, PRIVATE	yes	PUBLIC
	const	TRUE, FALSE	yes	FALSE
	virtual	TRUE, FALSE	yes	FALSE
	static	TRUE, FALSE	yes	FALSE
	inline[3]	TRUE, FALSE	yes	FALSE
	friend	TRUE, FALSE	yes	FALSE
	type	text	yes	void
	argList	text	no	-
	argInOut	text	no	-
ARG	type	text	yes	-
	name	text	yes	-
	const	TRUE, FALSE	yes	FALSE
	inout	INPUT, BOTH	yes	INPUT
RETURN	type	text	yes	-
	const	TRUE, FALSE	yes	FALSE
CODE	xml:space[4]	default, preserve	yes	preserve
ATTRIBUTE	type	text	yes	-
	name	text	yes	-
	desc	text	yes	-
	init	text	no	-
	access	PUBLIC, PROTECTED, PRIVATE	yes	PRIVATE
	setMeth	TRUE, FALSE	yes	TRUE
	getMeth	TRUE, FALSE	yes	TRUE
RELATION	type	text	yes	-
	name	text	yes	-
	desc	text	yes	-
	access	PUBLIC, PROTECTED, PRIVATE	yes	PRIVATE
	multiplicity[5]	1, M, m, N, n	yes	1
	setMeth	TRUE, FALSE	yes	TRUE
	getMeth	TRUE, FALSE	yes	TRUE
	addMeth	TRUE, FALSE	yes	TRUE
	remMeth	TRUE, FALSE	yes	TRUE
	clrMeth	TRUE, FALSE	yes	TRUE

[3] obsolete
[4] fixed, can't be changed
[5] $(M \equiv m \equiv N \equiv n)$