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**Reference :** model-checking.design  
January 30<sup>th</sup> 2015

*Signatures*

**Quality responsible :**  
**Clients :**

# Sommaire

# Part I

## AST and CFG representations

### I.1

#### I.1.1 Generation of clang AST

`clang -cc1 -ast-dump simple.cpp`

#### I.1.2 Parse the Clang AST file

#### I.1.3 From ASTNode to ProgramNode

Decl class hierarchy

Partie Stmt

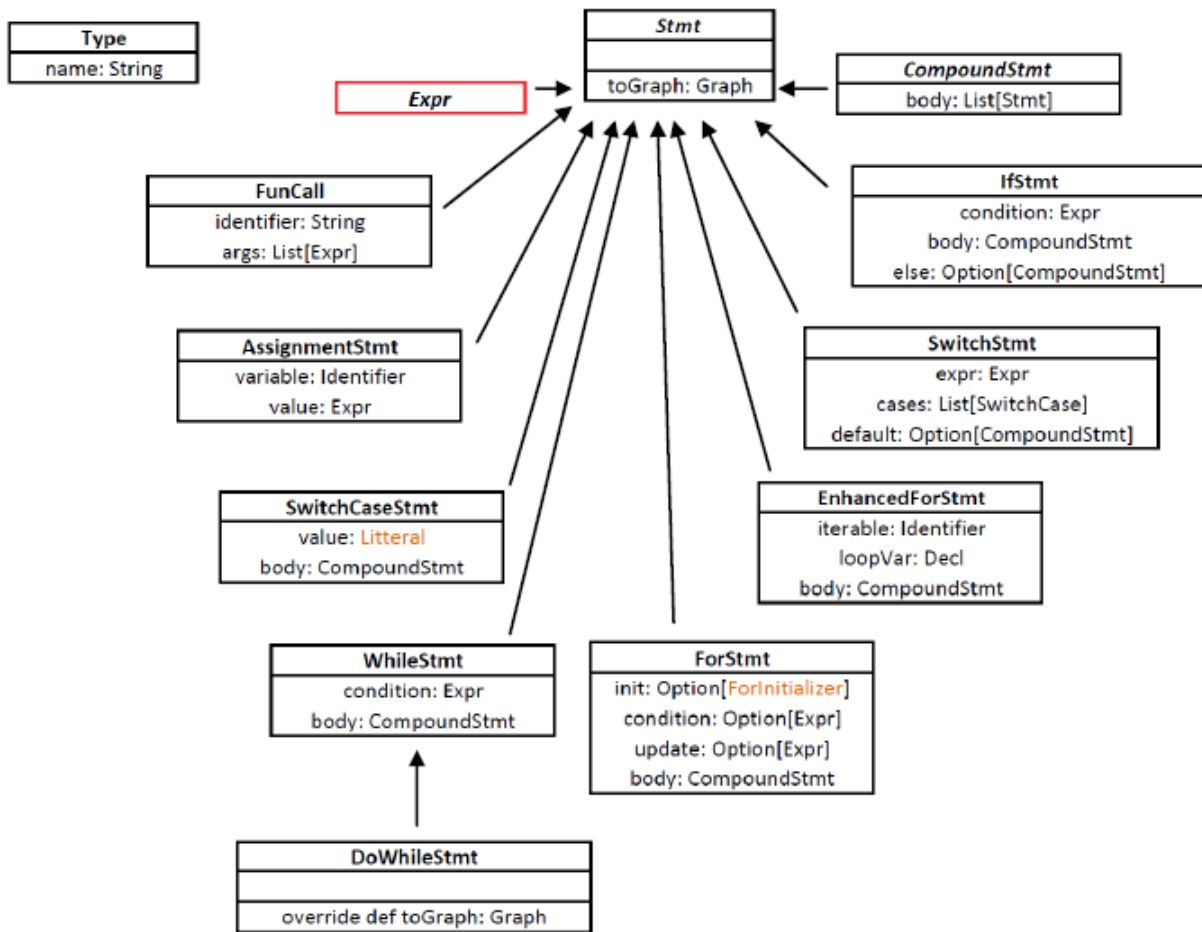


Figure I.1 -

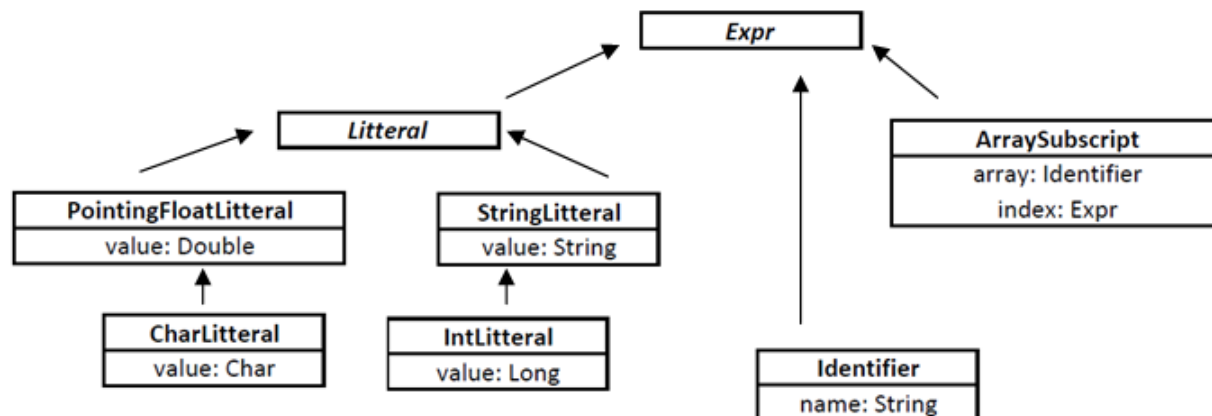


Figure I.2 - Diagramme de classe partiel de la partie **Expr**

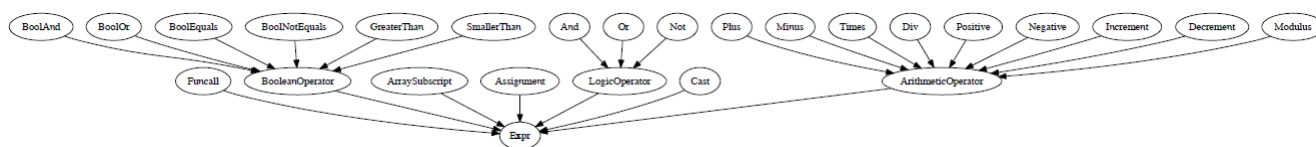


Figure I.3 - Diagramme de classe plus fourni (mais toujours incomplet) de la partie **Expr**

Remarques importantes :

- 

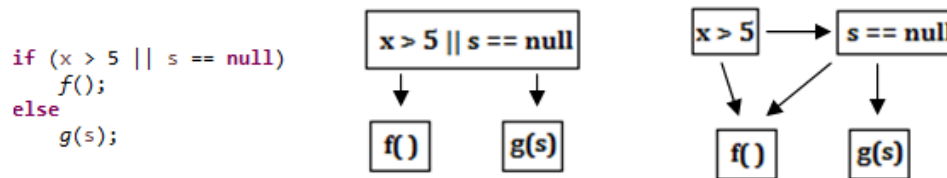


Figure I.4 -

## I.2 AST to CFG

## Part II

# Model checking