

# Coding Style and Conventions

## Code Tree

All the code files must be placed in a **src/** folder. Every namespace must be placed in a new folder. The file hierarchy should follow the namespace hierarchy.

## Classes

The classes names are in CamelCase :

- ClassName
- Class

## Interfaces

The interfaces are prefixed by a I :

- IClass
- IMyClass

## Variables

The variables are in lower CamelCase :

- varName
- var

## Class Variables

**Member variables** The member variables are prefixed by **m\_** :

- m\_var
- m\_varName

**Static variables** The static variables are prefixed by **s\_** :

- s\_var
- s\_varName

## Constants

The constants are in uppercase :

- VAR\_NAME

## Methods

Methods name are in lower CamelCase :

## Getters

If the variable name is `m_varName`, the getter will be : `varName()` The getters are always declared `const` and `inline`.

## Setters

If the variable name is `m_varName`, the setter will be : `setVarName()`. The setters are always declared `inline`.

## Braces and indentation

The indentation follows the [Allman Styles](#).

An indent file is available.

## Documentation

```
/*!  
 * \brief Brief description  
 *  
 * Long description  
 * \param param1 description param1  
 * \param param2 description param2  
 * \return  
 */
```