

cmake:

- controls the cmake process
- can be created and used in various GUIs

Has one

cmGlobalGenerator

- abstract base class
- child classes responsible for platform-specific build process

Has many

cmLocalGenerator

- abstract base class
- child classes responsible for platform-specific build file generation

Has

cmMakefile

- Stores all the information parsed from a CMakeLists.txt file
- List of targets and variables
- Optional flags
- List of libraries
- List of include paths
- Parses CMakeLists.txt files

cmGlobalUnixMakefileGenerator
cmGlobalVisualStudio6Generator
cmGlobalVisualStudio7Generator
...

Derive from

cmLocalUnixMakefileGenerator
cmLocalVisualStudio6Generator
cmLocalVisualStudio7Generator
...

Derive from

cmCommand

- abstract base class
- child classes responsible for implementing all commands in CMake

Derive from

cmRemoveCommand
cmSetCommand
cmAddTestCommand
...