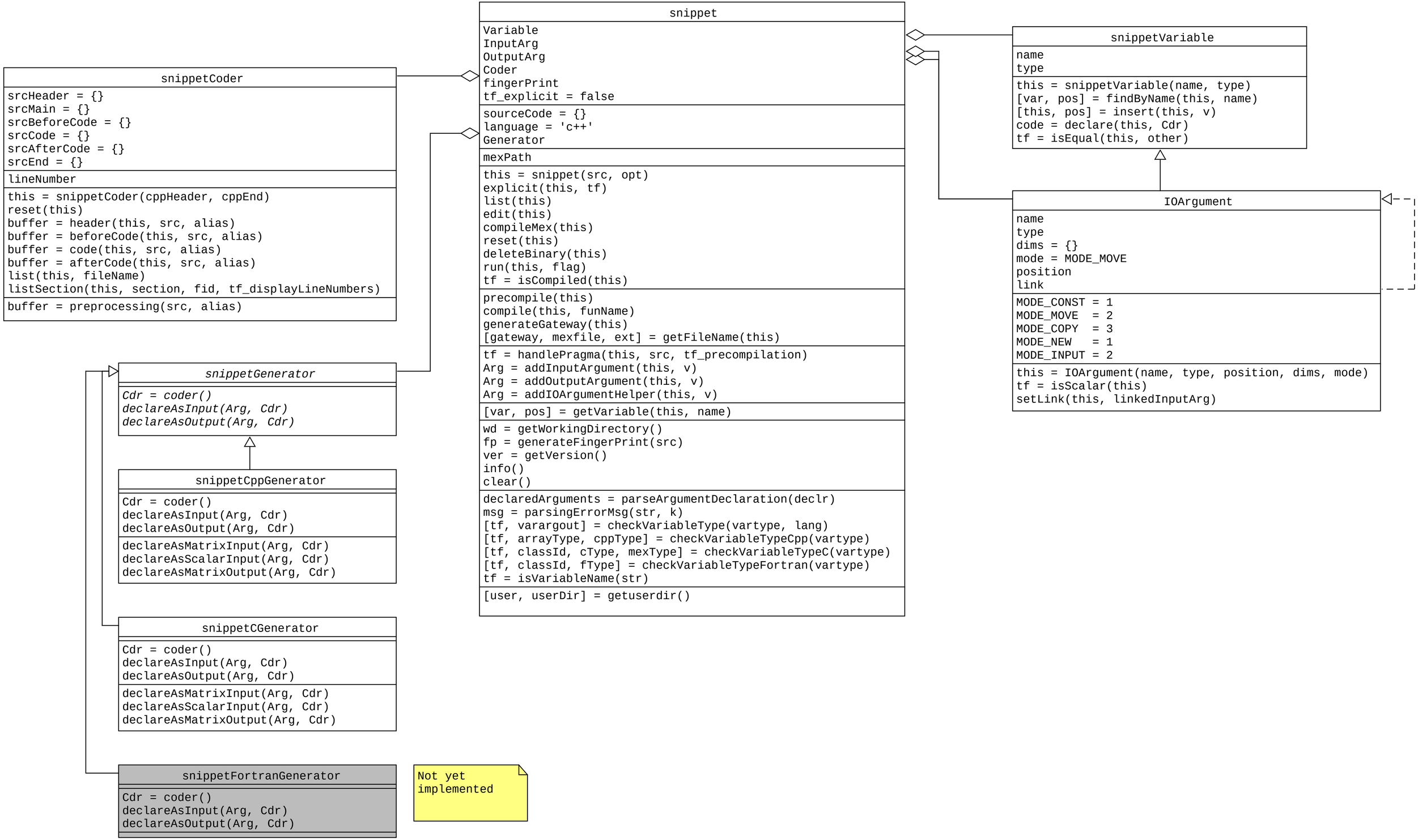
snippet
Variable
InputArg
OutputArg
Coder
fingerPrint
tf_explicit = false
sourceCode = {}
language = 'c++'
Generator
mexPath
this = snippet(src, opt)
explicit(this, tf)
list(this)
edit(this)
compileMex(this)
reset(this)
deleteBinary(this)
run(this, flag)
tf = isCompiled(this)
precompile(this)
compile(this, funName)
generateGateway(this)
[gateway, mexfile, ext] = getFileName(this)
tf = handlePragma(this, src, tf_precompilation)
Arg = addInputArgument(this, v)
Arg = addOutputArgument(this, v)
Arg = addIOArgumentHelper(this, v)
[var, pos] = getVariable(this, name)
wd = getWorkingDirectory()
fp = generateFingerPrint(src)
ver = getVersion()
info()
clear()
declaredArguments = parseArgumentDeclaration(declr)
msg = parsingErrorMsg(str, k)
[tf, varargout] = checkVariableType(vartype, lang)
[tf, arrayType, cppType] = checkVariableTypeCpp(vartype)
[tf, classId, cType, mexType] = checkVariableTypeC(vartype)
[tf, classId, fType] = checkVariableTypeFortran(vartype)
tf = isVariableName(str)
[user, userDir] = getuserdir()
snippetCoder
srcHeader = {}
srcMain = {}
srcBeforeCode = {}
srcCode = {}
srcAfterCode = {}
srcEnd = {}
lineNumber
this = snippetCoder(cppHeader, cppEnd)
reset(this)
buffer = header(this, src, alias)
buffer = beforeCode(this, src, alias)
buffer = code(this, src, alias)
buffer = afterCode(this, src, alias)
list(this, fileName)
listSection(this, section, fid, tf_displayLineNumbers)
buffer = preprocessing(src, alias)
snippetVariable
name
type
this = snippetVariable(name, type)
[var, pos] = findByName(this, name)
[this, pos] = insert(this, v)
code = declare(this, Cdr)
tf = isEqual(this, other)
IOArgument
name
type
dims = {}
mode = MODE_MOVE
position
link
MODE_CONST = 1
MODE_MOVE = 2
MODE_COPY = 3
MODE_NEW = 1
MODE_INPUT = 2
this = IOArgument(name, type, position, dims, mode)
tf = isScalar(this)
setLink(this, linkedInputArg)
snippetGenerator
Cdr = coder()
declareAsInput(Arg, Cdr)
declareAsOutput(Arg, Cdr)
snippetCppGenerator
Cdr = coder()
declareAsInput(Arg, Cdr)
declareAsOutput(Arg, Cdr)
declareAsMatrixInput(Arg, Cdr)
declareAsScalarInput(Arg, Cdr)
declareAsMatrixOutput(Arg, Cdr)
snippetCGenerator
Cdr = coder()
declareAsInput(Arg, Cdr)
declareAsOutput(Arg, Cdr)
declareAsMatrixInput(Arg, Cdr)
declareAsScalarInput(Arg, Cdr)
declareAsMatrixOutput(Arg, Cdr)
snippetFortranGenerator
Cdr = coder()
declareAsInput(Arg, Cdr)
declareAsOutput(Arg, Cdr)
Not yet implemented