## Factory Method Pattern <<abstract>> FileBox FileFactory $\sim$ com.alhelal.textpad $\sim$ com.alhelal.textpad

+ orderFile(file : File) : EditableFile

# createFile(file : File) : EditableFile

+ orderFile(file : File) : EditableFile

<<instantiate>>

EditableFile  $\sim$  com.alhelal.textpad + languageBehavior : LanguageBehavior

+ options : Options + tab : Tab

+ saveFile(fileTabArrayList : ArrayList<FileTab>, option : Options)

+ printFile(node : Node) + toggleLineNumber(cd : CodeArea)

+ setLanguageBehavior(langBehavior : LanguageBehavior)

+ performRunCode(file : File)

+ performBuildCode(file : File)

+ performSetHighlightableText()

+ performSetAutocompletableText()

CplusFile

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CFile

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+ file: File

+ getCodeAreaFromTab(tb : Tab) : CodeArea

JavaFile

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PythonFile

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LaTeXFile

 $\sim$  com.alhelal.textpad

**TextFile**  $\sim$  com.alhelal.textpad

