

Table1 The original class Import in ArgoUML

Original Class Import	
Attributes	Methods
LOG srcPath diagramInterface modules configPanel descend changedOnly createDiagrams minimiseFigs layoutDiagrams classOnly classAndFeatures fullImport inputSourceEncoding dialog iss problems	getInputSourceEncoding() disposeDialog() getConfigPanel(Import importInstance) doFile() setSrcPath(String path) getSrcPath() isCreateDiagramsChecked() isDiscendDirectoriesRecursively() isMinimiseFigsChecked() needsSave()

Table2 The new classes extracted by developers

Class Extracted by the Developers - 1	
Attributes	Methods
configPanel descend changedOnly createDiagrams minimiseFigs layoutDiagrams classOnly classAndFeatures fullImport inputSourceEncoding dialog iss problems	getInputSourceEncoding() disposeDialog() getConfigPanel(Import importInstance) doFile() isCreateDiagramsChecked() isMinimizeFigsChecked() isDiscendDirectoriesRecursively()
Class Extracted by the Developers - 2	
Attributes	Methods
LOG modules srcPath diagramInterface	needsSave() setSrcPath(String) getSrcPath()

Table3 The new classes extracted by our approach

Class Extracted our approach - 1	
Attributes	Methods
iss minimiseFigs dialog inputSourceEncoding classOnly classAndFeatures changedOnly layoutDiagrams descend createDiagrams fullImport configPanel problems	disposeDialog() getInputSourceEncoding() isCreateDiagramsChecked() isMinimiseFigsChecked() doFile() getConfigPanel(Import) isDiscendDirectoriesRecursively()
Class Extracted our approach - 2	
Attributes	Methods
LOG modules srcPath diagramInterface	needsSave() getSrcPath() setSrcPath(String)

Table 4 The new classes extracted by Bavota's approach[14]

Class Extracted Bavota's approach - 1	
Attributes	Methods
inputSourceEncoding iss layoutDiagrams minimiseFigs modules problems srcPath fullImport dialog diagramInterface descend createDiagrams configPanel classOnly classAndFeatures changedOnly LOG	getConfigPanel(Import) isMinimiseFigsChecked() needsSave() doFile() isDiscendDirectoriesRecursively()
Class Extracted Bavota's approach - 2	

Attributes	Methods
	disposeDialog() getInputSourceEncoding() setSrcPath(String) getSrcPath() isCreateDiagramsChecked()

Table 5 The new classes extracted by Fokaefs' approach

Class Extracted Fokaefs' approach - 1	
Attributes	Methods
dialog diagramInterface descend fullImport createDiagrams configPanel classOnly classAndFeatures changedOnly LOG	getInputSourceEncoding() getConfigPanel(Import) doFile() disposeDialog()
Class Extracted Fokaefs' approach - 2	
Attributes	Methods
problems inputSourceEncoding iss layoutDiagrams minimiseFigs modules srcPath	getSrcPath() isCreateDiagramsChecked() isDiscendDirectoriesRecursively() isMinimiseFigsChecked() needsSave() setSrcPath(String)