


resetGraphicsView		
QGraphicsScene* oldScene ← graphicsView->scene()		
		oldScene
wahr		
graphicsView->setScene(nullptr)		falsch
delete oldScene		⊘

on_actionGenerate_triggered		
const float marginClassStructure ← 20.f		
const float marginStructure ← 10.f		
std::string input ← plainTextEdit->toPlainText().toString()		
const char* begin ← *input.cbegin()		
const char* end ← *input.cend()		
try {Parser parser(begin, end)		
resetGraphicsView()		
scene ← new QGraphicsScene(this)		
this->actionDirect_Print->setEnabled(true)		
this->actionPrint_To_PDF->setEnabled(true)		
float height ← 0.		
ClassChartDrawer classChartDrawer		
QGraphicsItem* classChart ← classChartDrawer.drawClassChart(parser.getResult().classChart)		
scene->addItem(classChart)		
classChart->setPos(0,0)		
height ← height + scene->sceneRect().height() + marginClassStructure		
const std::unique_ptr<StructureChart> structureChartData : parser.getResult().structureCharts		
		StructureChartDrawer drawer(scene)
		QGraphicsItem* structureChart ← drawer.drawStructureChart(structureChartData.get())
		scene->addItem(structureChart)
		structureChart->setPos(0, height)
		height ← height + structureChart->childrenBoundingRect().height() + marginStructure
graphicsView->setScene(scene)		
} catch (std::runtime_error e) {QMessageBox::warning(this, "Parser Error", e.what())		
}		

on_actionOpen_triggered		
QStringList files ← QFileDialog::getOpenFileNames(this, "Select code files", "../../../../qtroad", "C/C++ (*.c *.h *.cpp *.hpp)")		
QString content		
QString fileName : files		
		QFile file(fileName)
		file.open(QIODevice::ReadOnly)
		content ← content + QTextStream(file).readAll() + "\n"
plainTextEdit->setPlainText(content)		

on_actionDirect_Print_triggered		
QPrinter printer		
		QPrintDialog(printer).exec() = QDialog::Accepted
wahr		
QPainter painter(printer)		falsch
painter.setRenderHint(QPainter::Antialiasing)		⊘
scene->render(painter)		

on_actionPrint_To_PDF_triggered			
QPrinter printer(QPrinter::HighResolution)			
printer.setOutputFormat(QPrinter::PdfFormat)			
QString fileName ← QFileDialog::getSaveFileName(this, "Save File", "", "PDF (*.pdf)")			
		not fileName.isNull()	
wahr	<div></div>		
printer.setOutputFileName(fileName)			
printer.setPageSize(QPrinter::A4)			
QPainter painter(printer)			
painter.setRenderHint(QPainter::Antialiasing)			
scene->render(painter)			