

Sketchlet Tutorial

Drawing UML and other Diagrams

sketchlet.sf.net

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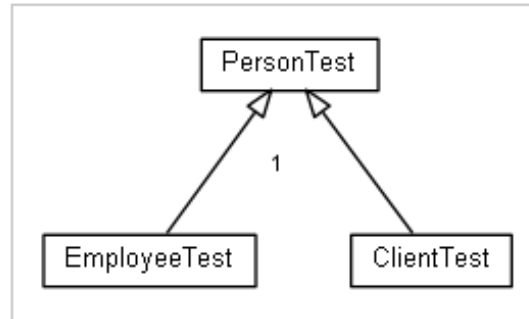


Introduction

- Sketchify comes with several Widgets that enables you to create UML and other diagrams based on simple textual input
- Currently diagrams are
 - UMLGraph class and sequence diagram, based on the www.umlgraph.org program
 - Graphviz dot diagrams, based on the **dot** language
 - Pic2Plot, based on the **pic** language



UMLGraph / Class Diagram



Position x Text Type

Graphics Widget: UMLGraph / Class Diagram

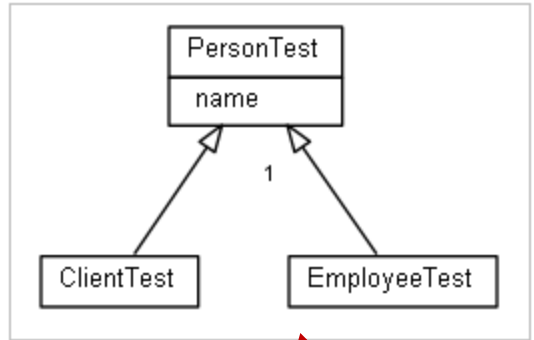
Property	Value	Description
dot parameters		Additional para...
resize region	true	Resize the regi...

Text Items

```
class PersonTest {
    String NameTest;
}
class EmployeeTest extends PersonTest {}
class ClientTest extends PersonTest {}
```



UMLGraph / Simple



Position x [] Text [] Type []

Widget: UMLGraph / Simple

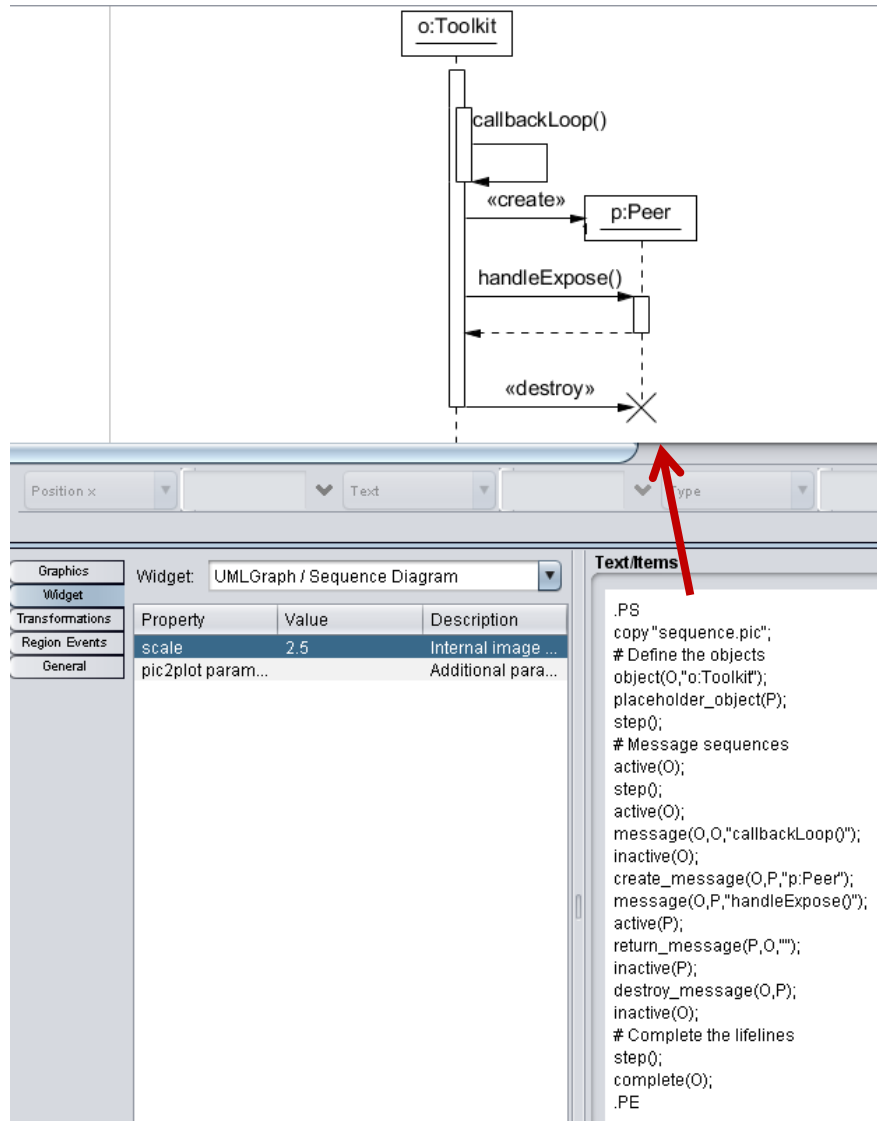
Property	Value	Description
dot parameters		Additional para...
resize region	true	Resize the regi...

Text Items

- PersonTest
fields: name
- EmployeeTest : PersonTest
- ClientTest : PersonTest

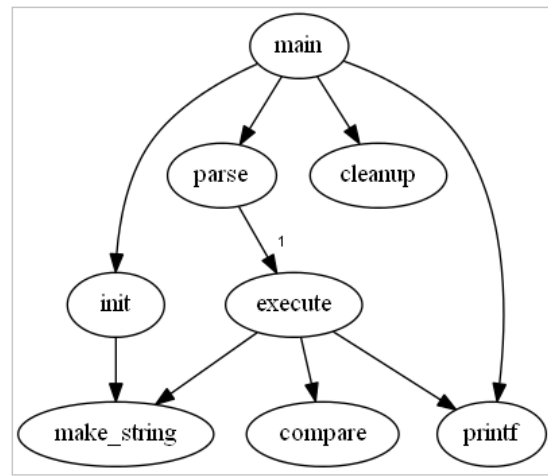


UMLGraph / Sequence Diagram





Graphviz dot



Position x Text Type

Graphics

Widget: Graphviz Dot

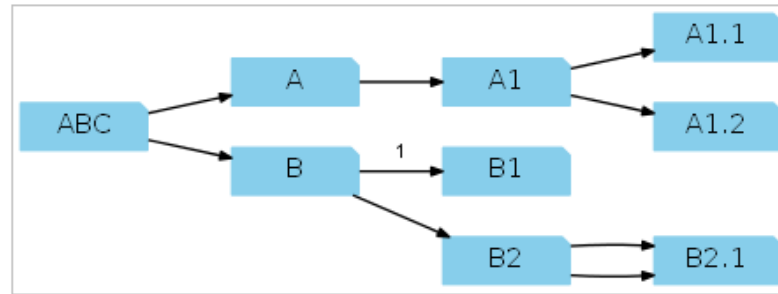
Property	Value	Description
dot paramet...		Additional p...
resize region	true	Resize the r...

Text/Items

```
digraph G {
  main -> parse -> execute;
  main -> init;
  main -> cleanup;
  execute -> make_string;
  execute -> printf;
  init -> make_string;
  main -> printf;
  execute -> compare;
}
```



Graphviz dot / MindMap



Position x | Text | Type

Graphics
Widget
Transformations
Region Events
General

Widget: Graphviz Dot / Mind Map

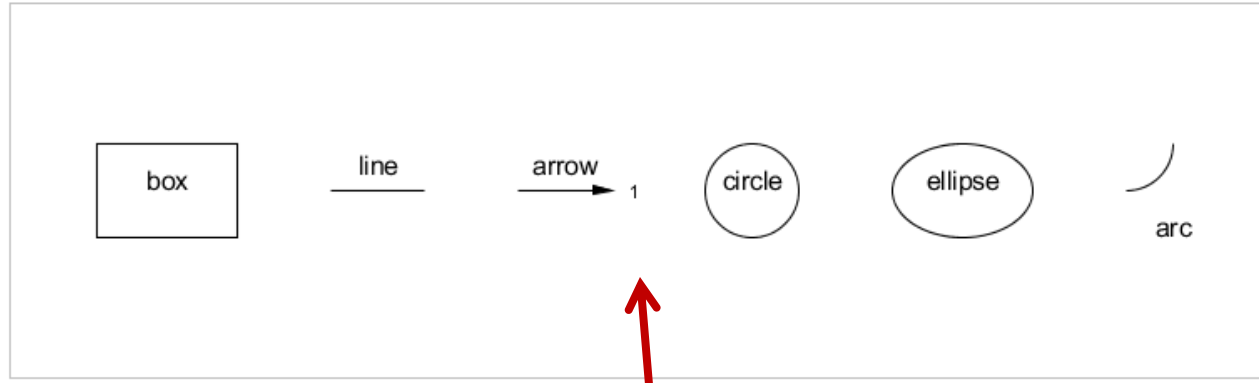
Property	Value	Description
dot paramet...		Additional p...
shape	note	Shape of the...
font size	11	Font size
font name	Helvetica-Ou...	The font of th...
color	skyblue	Color of the ...
style	filled	The style of t...
direction	LR	LR, RL, TB, ...
splines	true	Draw edge...
arrow size	0.5	Arrow size
resize region	true	Resize the r...

Text/Items

- ABC
- A
- A1
- A1.1
- A1.2
- B
- B1
- B2
- B2.1
- B2.1



Pict2Plot



The screenshot shows a software interface with a widget configuration panel on the left and a text editor on the right. A red arrow points from the 'arrow' primitive in the diagram above to the corresponding line in the text editor.

Widget Configuration Panel:

- Widget: PlotUtils Pic2Plot
- Property: scale, Value: 4, Description: Internal ima...
- Property: pic2plot par..., Description: Additional p...

Text Editor:

```
.PS
box "box";
move;
line "line" "";
move;
arrow "arrow" "";
move;
circle "circle";
move;
ellipse "ellipse";
move;
arc; down; move; "arc"
.PE
```