

Adding object diagrams to tikz-uml

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This is a quite crude extension of the tikz-uml class diagram macros for drawing object diagrams.

Object diagrams The addition is mainly a type, `object`, that adds underline to the class name, to be used with `\umlsimpleclass` for empty objects or the added shorthand `\umlobjectclass` for objects with attribute values. (The `\umlclass` macro can also be used, and if `type=object` then operations are ignored.)

Multiple anonymous instances of the same class There is also a hack for drawing multiple anonymous instances of the same class: The node name is the attribute `instanceIID` is, if set, prefixed to the class name. Thus `\umlsimpleclass[type=object,instanceID=1]{:Obj2}` will generate a tikz node name `1:Obj2`.

An example

```
\begin{tikzpicture}
\umlobjectclass[x=-5,y=2]{myApp:Application}{foo = bar}
\umlclass[type=object,x=-4,y=0]{:FooBar}{bar = 0}{operations are ignored}
\umlsimpleclass[type=object,x=0,y=2]{:Foo}
\umlsimpleclass[type=object,x=0,y=0]{:Obj1}
\umlsimpleclass[type=object,x=5,y=0,instanceID=1]{:Obj2}
\umlsimpleclass[type=object,x=5,y=-2,instanceID=2]{:Obj2}
\umlsimpleclass[type=object,x=2,y=-2,instanceID=3]{:Obj2}
\umluniassoc{myApp:Application}{:Foo}
\umluniassoc[arg1=myObj, pos1=0.3]{:Foo}{:Obj1}
\umluniassoc{:Obj1}{1:Obj2}
\umluniassoc{1:Obj2}{2:Obj2}
\umluniassoc{2:Obj2}{3:Obj2}
\end{tikzpicture}
```

