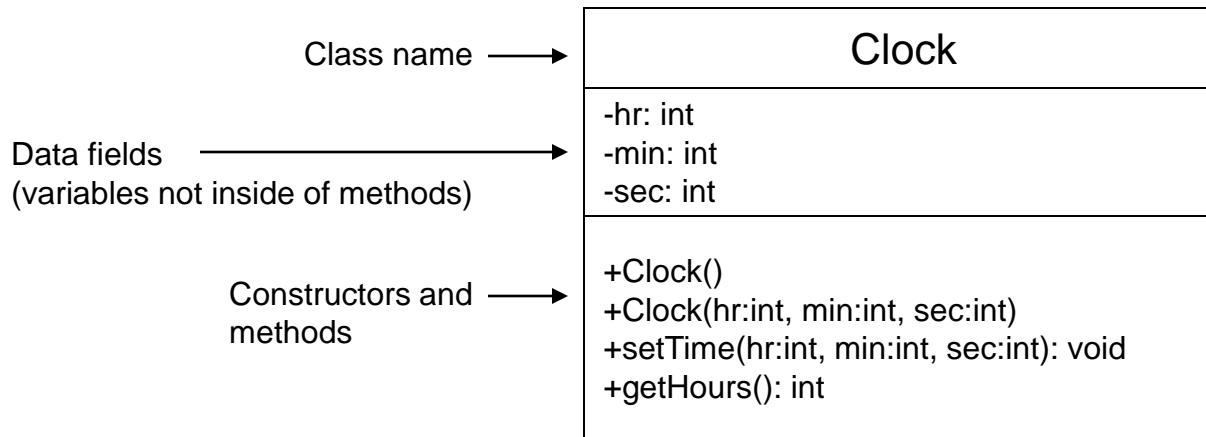


Guidelines for creating an UML Class Diagram

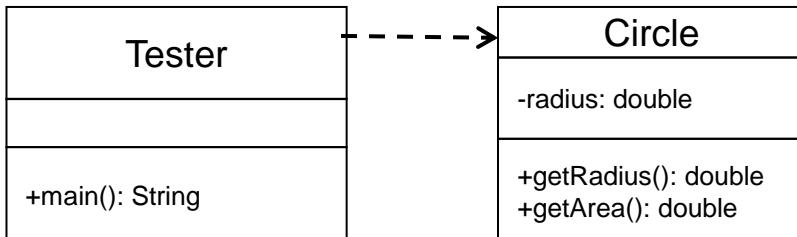


Java item	Notation in the Class Diagram	Java item	Notation in the Class Diagram
data field:	dataFieldName: dataFieldType	private	-
constructor:	ClassName(parameterName: parameterType)	public	+
method:	methodName(parameterName: parameterType): returnType	protected	#
inheritance	a line connecting the 2 classes, pointing towards the super class from the sub class	package	no symbol
interface	<p><code><<interface>>InterfaceName</code></p> <ul style="list-style-type: none"> - method names in an interface are also in italics (indicating that they don't contain code) - classes are connected to an interface using dashed lines and a hollow arrow head 	static	underline
		abstract	italics (indicating no code) [also mark abstract]
		final	All caps

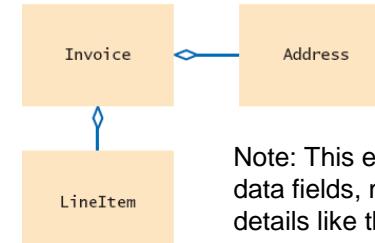
UML Class Diagram - Relationship Symbols

Relationship		Symbol	Line Style	Arrow Tip
Inheritance	is-a		Solid	Triangle
Interface Implementation	is-a		Dotted	Triangle
Aggregation (also called Composition)	has-a		Solid	Diamond
Dependency	uses		Dotted	Open
Inner class	nesting		Solid	Circle with a +

“Uses” Example:

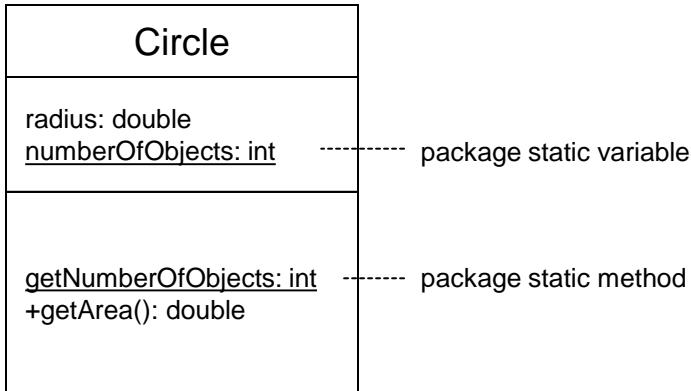


Aggregation Example:

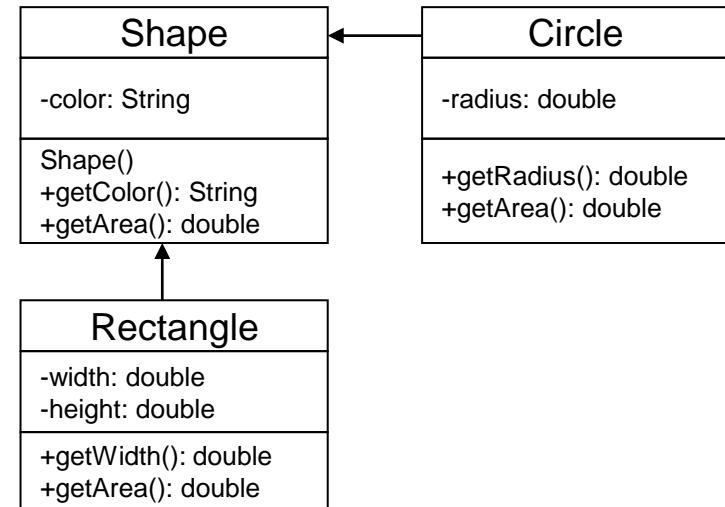


Note: This example is not showing the data fields, methods, or constructors details like the other examples do.

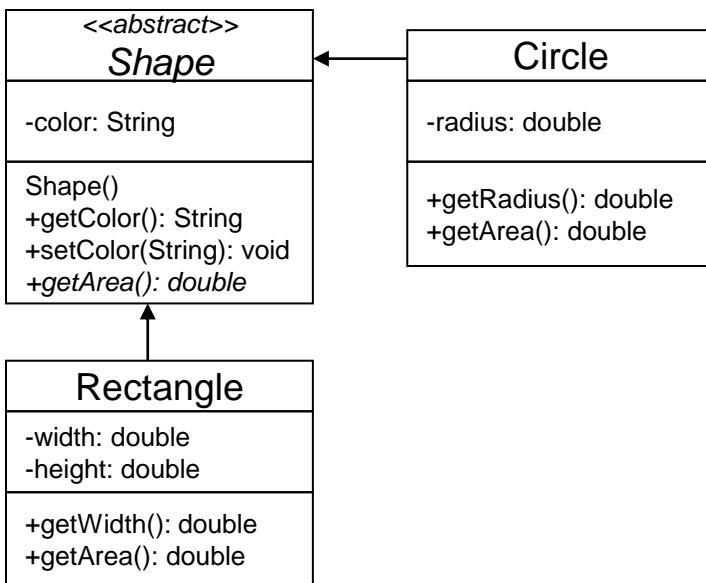
Static Example:



Inheritance Example:



Abstract Class Example:



Interface Example:

