Unified Modeling Language

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| --- | --- |
| Visibility Symbol | Meaning  *Legend:*  is-a  has-a  implements  **Class Name**  **Attributes**  **Methods** |
| **+** | **Public** |
| **-** | **Private** |
| **#** | **Protected** |

**SYNTAX**

**For attributes:**

[visibility] attribute: data\_type

**For methods:**

[visibility] method( para: data\_type): return\_type

**BankAcct**

Example:

* **\_acctNum: int**
* **\_balance: double**

**+BankAcct()**

**+BankAcct(aNum: int, bal: double)**

**+withdraw(amount: double): boolean**

**+deposit(amount: double)**

**+print()**

|  |  |  |
| --- | --- | --- |
|  | Syntax | Example |
| A class | **<Class Name>** | **BankAcct** |
| An Object | **<Object Name>** | **ba1** |
| An object with *class name* | **<Object Name> : <Class Name>** | **ba1 : BankAcct** |
| An object with *data values* | **<Object Name> : <Class Name>** | **ba1 : BankAcct** |
| **<attribute1 value>**  **<attribute2 value>**  **.**  **.**  **.** | **acctNum 1232**  **\_balance 300.5** |

Dependency relationship

*Class1 “depends” on the services provided by class2*

**<Class 2>**

**<Class 1>**

E.g.

*TestBankAcct3 “depends” on the services provided by BankAcct*

**BankAcct**

**TestBankAcct3**

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