Object Oriented Design

CSC207 Winter 2015

Computer Science
UNIVERSITY OF TORONTO

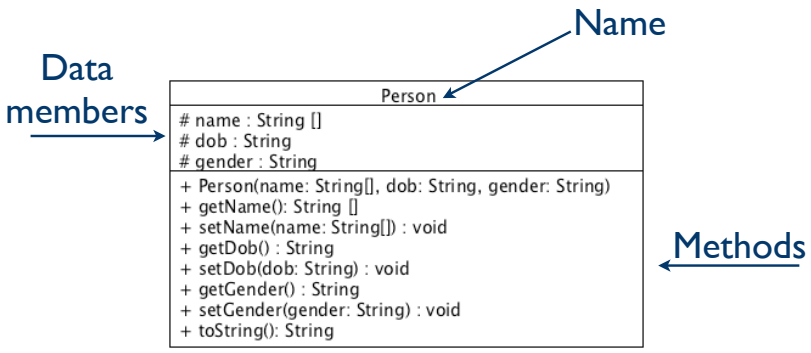
UML

Unified Modeling Language (UML)

An extremely expressive language.

We'll use only a small part of the language, Class Diagrams, to represent basic OO design.

Example: Class Person



Notation

Data members:

```
name: type
```

Methods:

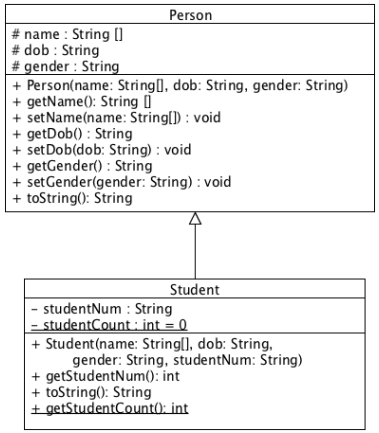
```
methodName(param1: type1, param2: type2,... ): returnType
```

Visibility:

- \- private
- \+ public
- \# protected
- ~ package

Static: underline

Example: Inheritance



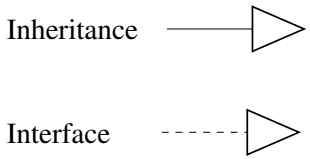
Notation (cont'd)

Abstract method: *italic*

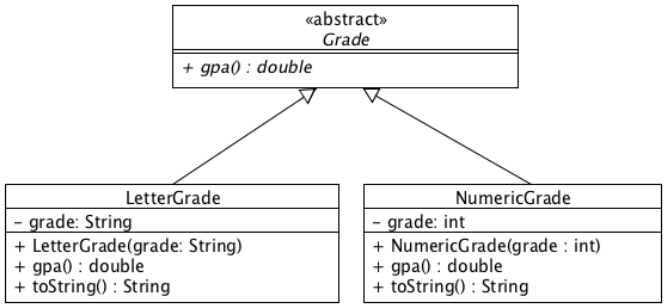
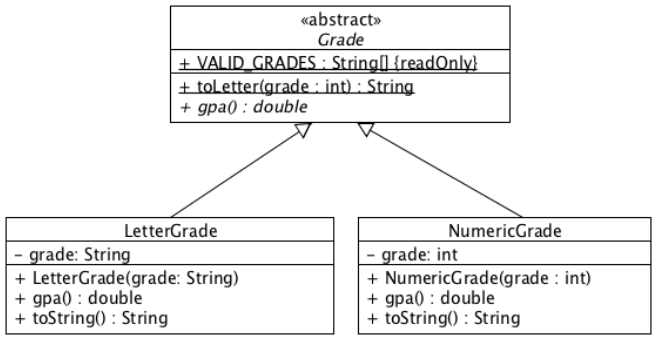
Abstract class: *italic* or <<abstract>>

Interface: <<interface>>

Relationship between classes:



Example: Abstract Class



Example: Abstract Class