

Thurs, 8 April: Assignment Reminder

- Read Unit 7 papers by today
- Read Unit 8 papers by Thursday, 15 April
- Pay your federal taxes by Thursday, 15 April

Write --due Thurs, 15 April:

Consider combining two items of largely orthogonal functionality to form a third object (e.g. combining a robot and a camera to create a seeing-robot). Should we use multiple inheritance (seeing-robot isa camera and isa robot) or containment (seeing-robot isa robot which hasa camera named Mycamera), or some other mechanism? Consider changing the design sometime later, to add a second camera. Discuss your views on the support languages should provide for describing an entity that is the union of two (or more) others, and the adequacy of the support found in C++ and Java for doing so.

Future Activities

- Reading for the rest of the semester
 - ~~06 April: unit 7 assigned~~, writing assignment due 15 April
 - ~~08 April: unit 8 assigned~~.
 - 13 April: TJ's birthday
 - 15 April: unit 9 assigned, writing assignment due 22 April
 - 20 April: John Viega speaks about delegation
 - 22 April: unit 10 assigned.
 - 27 April
 - 29 April: unit 11 assigned?
 - 04 May: last day of class.

Today

- Questions:
 - Is (user) polymorphism good?
 - What's the definition of polymorphism?
 - Should subtypes be defined or derived?
 - Has inclusion polymorphism gone away / should it?
 - How does type inferencing work?
- Types
 - More issues about types
 - Day/Liskov paper (subtypes/parametric)
 - Hindley-Milner
 - Ageson