

# Notes

CSC144 Software Architecture

22 March 2018

- how does software differ from other products
  - harder to estimate costs, schedules
  - less accumulated experience
  - not so easy to inspect the work of others
  - scale models of little use
  - no gradual failure, no signs of impending failure
  - lasts forever, nothing wears out
- relationships among classes
  - inheritance: “is a” relationship (“is a kind of”)
  - aggregation: “has a” relationship (“has an instance of”)
  - no multiple inheritance in Java
  - interfaces provide a work-around to lack of multiple inheritance
  - “A extends B” means A is a class that inherits from a class B
  - “A implements B” means A is a class that must define methods listed in the interface B