# IT 212 Project 4 – Inheritance Hierarchy

ComicBook < Book Encyclopedia < Book

### **Book**

@title : String @author : String @price : Fixnum @pub\_info: String

- initialize(the\_title : String, the\_author : String, the\_price : Fixnum, the\_pub\_info : String)
- + C new(the\_title : String, the\_author : String, the\_price : Fixnum, the\_pub\_info : String) : Book
- + title():String
  + author():String
- + price(): Fixnum
- + price=(the\_price : Fixnum)
- + pub\_info(): String
- + on\_sale(discount : Fixnum) : String
- + to\_s(): String

#### NOTE:

@pub\_info in the Book class only contains the **year** of publication. @pub\_info in ComicBook overrides the method in the Book class because it includes @pubinfo and @pub\_month (Year and month of publication).

# **Textbook**

@editor : String @version : Fixnum

 initialize(the\_title : String, the\_author : String, the\_price : Fixnum, , the\_pub\_info : String, the\_editor : String, the\_version : Fixnum)

+ C new(the\_title : String, the\_author : String, the\_price : Fixnum, , the\_pub\_info : String,

the\_editor : String, the\_version : Fixnum) : Textbook

+ editor(): String + version(): String

+ to\_s(): String

## **ComicBook**

- @artist : String

- @pub\_month : String

initialize(the\_title : String, the\_author : String, the\_price : Fixnum, the\_pub\_info : String, the\_artist : String, the\_pub\_month : String)

+ C new(the\_title : String, the\_author : String, the\_price : Fixnum, the\_pub\_info : String, the\_artist : String, the\_pub\_month : String) : ComicBook

+ artist(): String

+ pub\_info(): String

+ pub\_month(): String

+ pub\_info(): String

+ to\_s(): String