

COSC 201 – Lab #2

Jackson Pollock

Purpose: to practice using abstract classes and interfaces.

Tasks:

- 1.) Open Eclipse and start a new Java Project called Abstract Project
- 2.) Add a new Interface called Book. Put at least two methods in this interface that would make sense for how you would use Java to catalog books.
- 3.) Create two implementations of Book called Popular and Reference. These classifications refer to two kinds of books you'd find in a library. Put at least two methods into these classes that you didn't find in Book. You'll also need constructors, fields (probably title, author, ISBN, subject), gets and sets, and toString.
- 4.) Now, create a new abstract Class called AbstractBook. How many of the fields that were in your implementation can now be moved into your abstract class? Create a child of AbstractBook called Fiction, modeled similarly as Popular and Reference. What can you leave out of Fiction that you couldn't leave out of Popular and Reference?
- 5.) Turn in your code (four .java files total) via the Digital Dropbox in Blackboard by 11:59pm Monday.