Textbooks

Textbook

There is one book we will use a lot in CS427 (and also in CS428):

Code Complete, second edition (resources)

Code Complete is also used in an earlier CS course and can be sometimes seen on the bookshelves of professional developers, so even though you can read Code Complete online if you are an ACM member or student member (see the online books program), you might want a copy for future reference. Also, the books is easy to get on the internet, and often used copies are cheap.

Recommended books

Here are some recommended books for various aspects of the class. You will be using them as reference while developing so it is OK to share or borrow it from the library.

Java

If you need to brush up on your Java skills, it might be worthwhile to invest some time studying the following resources:

Thinking in Java, 4th Edition Excellent reference for Java - the programming language. A sample electronic copy can be downloaded freely from the website.

Introduction to Programming Using Java The textbook used for CS125 is a good way to quickly brush up on your Java. However, since it is an introduction to programming book, it might contain too much information on how to program in general and not enough information on the subtleties of Java.

Eclipse

You will be using Eclipse for some MPs and likely for your projects.

The Java Developer's Guide to Eclipse, 2nd Edition Thorough book that shows how to use Eclipse as a Java development environment and how to extend Eclipse by developing your own plug-ins, although your projects will not be on plug-ins for Eclipse (as in previous years).

The Official Eclipse FAQs Scan through this list when you are facing problems to see if someone else has already found a solution.

Refactoring

You will not make large changes to the existing code, but you will be changing the code that you develop.

Refactoring: Improving the Design of Existing Code

XP

We used to require this book on Extreme Programming, but it tends to be out of stock early, and most information about XP can be found freely online.

Extreme Software Engineering