

a1b

A1b Guides

These guides support Assignment 1b. Read them as you work through the assignment.

Test-Driven Development

Guide	When to Read
Test-Driven Development	Before starting – understand the TDD philosophy
Writing JUnit 5 Tests	Writing your test classes

Testing Concepts

Guide	When to Read
The equals and hashCode Contract	Testing StoreItem and StoreBulkItem equality
Introduction to Unit Testing	Review – unit testing fundamentals

Code Quality

Guide	When to Read
Linters and Code Quality	Keeping your test code clean
Checkstyle Rules Reference	Fixing Checkstyle violations
IntelliJ Inspections Reference	Fixing IntelliJ warnings

References

This section consolidates references from all guides linked above.

Primary Texts:

- Beck, K. (2002). *Test Driven Development: By Example*. Addison-Wesley.
- Bloch, J. (2018). *Effective Java* (3rd ed.). Addison-Wesley.
- Horstmann, C. S. (2022). *Core Java, Volume I: Fundamentals* (12th ed.). Oracle Press.

Language Documentation:

- [Oracle JDK 25 Documentation](#) – Official Java SE reference
- [Oracle JDK 25: Object.equals\(\)](#) – equals contract
- [Oracle JDK 25: Object.hashCode\(\)](#) – hashCode contract

Testing Frameworks:

- [JUnit 5 User Guide](#) – Official JUnit 5 documentation
- [JUnit 5 Assertions](#) – Assertion methods reference

Style Guides and Linting:

- [Google Java Style Guide](#) – Industry-standard style guide
- [Checkstyle Documentation](#) – Official Checkstyle documentation

Tooling:

- [JetBrains IntelliJ IDEA Documentation](#) – Official IDE reference

This page is part of TCSS 305 Programming Practicum, School of Engineering and Technology, University of Washington Tacoma.