Software specifications

Chapter number	Software required (With version)	Download links to the software	Hardware specifications	OS required
All	Java Developer Kit (Oracle JDK is assumed in book, OpenJDK and IBM J9 should work as well) version 8. I used JDK 1.8.0.122.	http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html	1 GB of RAM and 20GB of disk recommended. A Virtual Machine with this characteristics should suffice.	Windows (32/64 bit versions, OS X (64 bit only, 10.9 and above) or Linux (Ubuntu is assumed in book, many others should work well)
4, 6, 8, 10, 12	Eclipse IDE for Java Developers 4.6.2 (Neon)	http://www.eclipse.org/downloads/	2 GB of RAM and 20GB disk space.	Windows, OS X, Linux (Ubuntu assumed in book)
5	Scala v2.12.1	http://www.scala-lang.org/download/	Same as JDK	Same as JDK. Requires JDK 8. Note: Explicitly states it is not compatible with JDK 9 yet.
6	Scala IDE plugin v4.5.0 Note: Scala IDE 4.5.0 is bundled with Scala 2.11.8 and does not work well with 2.12 yet. Chapter 6 is tested with the 2.11.8 version that is built-in in Scala IDE only.	http://scala-ide.org/download/current.html (download instructions. Install via Eclipse's Help→Install new software menu)	Same as Eclipse IDE	Same as Eclipse IDE. (Current version requires installed Eclipse IDE 4.6)
6	SBT v0.13.13	http://www.scala-sbt.org/download.html	Same as Scala	Same as Scala.
6	SBTEclipse plugin for SBT v5.1.0	http://github.com/typesafehub/sbteclipse (download instructions are on this page. Install it by configuring SBT project)	Same as Scala	Same as Scala

Detailed installation steps (software-wise)

The steps should be listed in a way that it prepares the system environment to be able to test the codes of the book.

I think the current drafts explain the installations steps pretty well :-)   ,but here's a summary:

- Oracle Java Developer Kit installation instructions
  https://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html

- Eclipse IDE for Java Developers installation instructions
  https://wiki.eclipse.org/Eclipse/Installation#Eclipse_4.6_.28Neon.29

- Scala installation instructions
  Windows users should install MSI. Linux and OS X users will have to extract archive manually. Some brief instructions are on http://scala-lang.org/documentation/getting-started.html.

  What should be noted is that JDK 9 is explicitly not supported for the current version of Scala 2.12.8 that is used in chapter 5. I believe JDK 9 is expected to arrive before the book goes to press (although it has been delayed multiple times), so it remains to be seen when and if a Scala version with JDK 9 support will be released before the book goes to press. You can be sure I'll be monitoring this closely.

- Scala IDE plugin for Eclipse IDE
  Scala IDE can be downloaded as stand-alone version, but in book we install it as Eclipse plugin, mostly for consistency reasons. I try to do this for all languages in the book, so that the user has one single Eclipse IDE installation that contains all programming features. I have a few chapters to write still, but I believe and hope this can be done for all languages I have yet to cover.

  To install as an Eclipse IDE plug-in follow instructions on the download site. Inside Eclipse go to Help > Install new software and add the download site with the link mentioned in http://scala-ide.org/download/current.html and install Scala IDE and ScalaTest components.

  A weakness of the current version of Scala IDE is that it does not support the latest Scala version yet. From what I understand from the team's forum posts is that the team is working on it. Hopefully this will be fixed in a version that is released before the book goes to

press. For now I have explained this in the book. Note that the Scala 2.11.8 version is built-in in Scala IDE, luckily it is not necessary to install this old version separately.

- SBT
  See http://www.scala-sbt.org/0.13/docs/Setup.html for installation instructions for Windows, OS X and Linux.

- SBTEclipse plugin for SBT is installed as a project dependency during the creation of the chapter 6 project. Its web-site https://github.com/typesafehub/sbteclipse sums up the instructions pretty well.