

## Software specifications

| Chapter number | Software required (With version) | Free/Proprietary | If proprietary, can code testing be performed using a trial version | If proprietary, then cost of the software | Download links to the software   | Hardware specifications           | OS required                       |
|----------------|----------------------------------|------------------|---|---|--|-----------------------------------|-----------------------------------|
| 1              | Java 8, MongoDB                  | Free             |   |   | <a href="http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html">http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html</a><br><a href="https://www.mongodb.com/download-center">https://www.mongodb.com/download-center</a> | Mac, Linux, and Windows supported | Mac, Linux, and Windows Supported |
| 2              | Same                             |                  |   |   |  |                                   |                                   |
| 3              | Same                             |                  |   |   |  |                                   |                                   |
| 4              | Same                             |                  |   |   |  |                                   |                                   |
| 5              | Same                             |                  |   |   |  |                                   |                                   |
| 6              | RabbitMQ broker                  | Free             |   |   | <a href="https://www.rabbitmq.com/download.html">https://www.rabbitmq.com/download.html</a>  |                                   |                                   |
| 7              | Same                             |                  |   |   |  |                                   |                                   |
| 8              | Same                             |                  |   |   |  |                                   |                                   |
| 9              | Same                             |                  |   |   |  |                                   |                                   |
| 10             | Same                             |                  |   |   |  |                                   |                                   |

## 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.

1. JDK 8:
  - a. Follow download link for your platform.
  - b. Double click downloaded file and follow instructions
2. MongoDB
  - a. If on a Mac, install Homebrew and type “brew install mongodb”
  - b. Otherwise, follow the download link for you platform.
  - c. Double click downloaded file and follow instructions.
3. RabbitMQ
  - a. If on a Mac, install Homebrew and type “brew install rabbitmq”
  - b. Otherwise, follow the download link for you platform.
  - c. Double click downloaded file and follow instructions.