

Machine Setup

This document outlines the specs and software required for this course. If you have any trouble with anything in this document feel free to reach out to Ryan or Caden.

Setting up your development machine (laptop):

- You will want a Mac (Unix) or Linux operating system. If you have a PC, I highly recommend dual-booting a Linux distro on there such as Ubuntu (<https://www.tecmint.com/install-ubuntu-16-04-alongside-with-windows-10-or-8-in-dual-boot/>). There are many reasons for this. First and foremost, Unix/Linux based operating systems are far easier and more intuitive to work with. Secondly, the vast majority of servers (if not all servers) you'll be working with as a developer will be Linux based. So it's important to become comfortable with Unix/Linux. That said, if you prefer for any reason to stay with PC/Windows you are more than welcome to, though it is not recommended.
- You will need to install the **Java JDK 8** (<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>)
- You will need the community edition of the **IntelliJ IDE** (<https://www.jetbrains.com/idea/download/#section=mac>)
- You will need to install **MySQL** (<https://dev.mysql.com/doc/refman/5.6/en/osx-installation-pkg.html>) as well as MySQL Workbench (<https://dev.mysql.com/downloads/workbench/>)
- You will need to install **GIT** (<https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>)
- You will need to install **Slack** for messaging (<https://slack.com/downloads>) - I will be sending you an invite to our channels shortly.
- I also recommend having a nice text editor such as Sublime Text installed (<https://www.sublimetext.com/>) as well as a nice Terminal client such as iTerm (<https://www.iterm2.com/>)
- A minimum of **4GB RAM** is recommended
- At least **50GB free space** on your working hard drive.
- If you are using a Mac, I recommend installing **Brew** as a package manager which makes installing much of the software we'll use much easier (<https://brew.sh/>)