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
All	Go 1.8+	Free	N/A	N/A	https://golang.org/dl/	https://golang.org/doc/install#requirements	Linux, Mac, or Windows
All	Go dependencies	Free	N/A	N/A	Various	Same as Go	Linux, Mac, or Windows
All	Git	Free	N/A	N/A	https://git-scm.com/downloads	See https://git-scm.com/downloads	Linux, Mac, or Windows
All	Mecurial	Free	N/A	N/A	https://www.mercurial-scm.org/downloads	See https://www.mercurial-scm.org/downloads	Linux, Mac, or Windows
8	Tensorflow	Free	N/A	N/A	https://www.tensorflow.org/install/	See https://www.tensorflow.org/install/	Linux, Mac, or Windows
9	Docker	Free	N/A	N/A	https://www.docker.com/community-edition#/download	See https://www.docker.com/community-edition#/download	Linux, Mac, or Windows
9	Minikube	Free	N/A	N/A	https://github.com/kubernetes/minikube/releases	VirtualBox or other VM software, kubectl	Linux, Mac
9	Pachyderm's pachctl CLI tool	Free	N/A	N/A	https://github.com/pachyderm/pachyderm/releases	None	Linux, Mac

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. Go 1.8+:
    a. Follow this guide: https://golang.org/doc/install
2. Go dependencies
    a. When you get an error saying that a go package is not found run: "go get <name of the package>"
    b. This process is further described here: https://golang.org/doc/articles/go_command.html#tmp_3
3. Git:
    a. Follow this guide: https://git-scm.com/book/en/v2/Getting-Started-Installing-Git
4. Mecurial
    a. Follow this guide: https://www.mercurial-scm.org/wiki/Download
5. Tensorflow

      a.   Follow this guide: https://www.tensorflow.org/install/
6. Docker
      a.   Follow this guide: https://www.docker.com/community-edition#/download
7. Minikube
      a.   Follow this guide: https://kubernetes.io/docs/tasks/tools/install-minikube/
8. Pahchyderm, pachctl
      a.   Follow this guide: http://pachyderm.readthedocs.io/en/latest/getting_started/local_installation.html