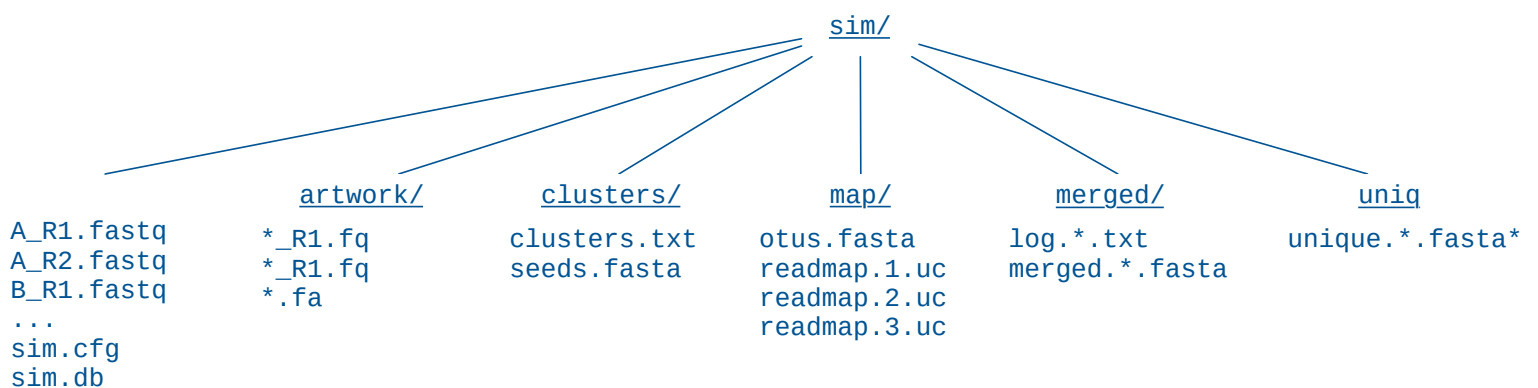# Working with the `sim` Folder

The folder used for several projects this term is named sim

- we'll use it to practice shell commands in Unit 2

- we'll also use it later in the term for projects on Python scripts

The folder contains 8 files and 5 subfolders, shown below

```
                                        sim/

                     artwork/      clusters/       map/          merged/          uniq
A_R1.fastq           *_R1.fq       clusters.txt    otus.fasta    log.*.txt        unique.*.fasta*
A_R2.fastq           *_R1.fq       seeds.fasta     readmap.1.uc  merged.*.fasta
B_R1.fastq           *.fa                          readmap.2.uc
...                                                 readmap.3.uc
sim.cfg
sim.db
```

Download and Uncompress the Folder

To download the folder, start a terminal session, cd to the directory where you want to save the folder, and type this command:

```
$ curl pages.uoregon.edu/conery/Bi410/sim.zip > sim.zip
```

To expand the zip file type this command:

```
$ unzip sim.zip
```

Potential Issues

If you get an error message saying "curl not found" use your web browser to download sim.zip, move it from your Downloads folder to your project directory, and continue with the unzip command.

If you get an error message that says "unzip not found" use your GUI (Finder on the Mac, File Browser on Windows). Locate the sim.zip file and double-click on the file icon.

The `sim` Folder is a "Sandbox"

We suggest you keep the original zip file so you can uncompress it again in the future.

Several projects will ask you to modify the folder. But don't worry if you "mess it up" — if you keep a copy of `sim.zip` you can always restore the folder to its original condition:

- delete the current copy of the `sim` folder (this is best done with the GUI, just drag the folder to the Trash)

- repeat the command from the previous page to unzip the file