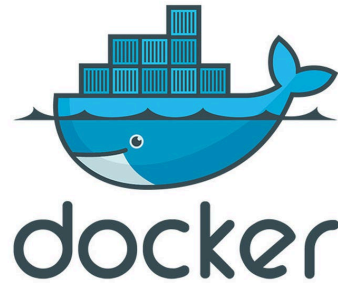# Installation Instructions

1. Install the latest version of Docker. (This is the **same Docker app used in 2110**, so you can skip this step if you already have Docker installed)
   - [Windows](#)
   - [Mac](#)
2. Run:
   ```
   $ docker pull systemsandnetworks/cs2200-students
   ```
3. Open the docker desktop application and let it **run in the background**
4. Download and unzip the [docker.zip](#) folder from Canvas Files
5. Type either of the following into your terminal (These commands must be run in the extracted `docker` folder):
   - **Windows**: Run `$ .\run.bat`
   - **Mac & Linux**: Run `$ chmod +x run.sh` then `$ ./run.sh`

If step 4 works correctly, you should see something like this:

root@57a4f8b9fe5b:/cs2200

You can close the container by typing `exit` or pressing `Ctrl+D`. You can start the container again by running the same command as in step 4.

How the workspace folder works

The workspace folder is *mounted* to the container, which means that everything in the workspace folder is shared between your computer and the docker container. Whenever you spin up a container (by running ./run.sh or .\run.bat), any changes made to files in the /cs2200/ folder inside the container will persist to your host file system and be visible in the workspace/ folder. **You should put your homework and project files in this folder when using the container.**

Opening additional terminals

To open additional terminals for the same docker session, use the **attach script** we gave you in a separate terminal. Execute it the same way as (step 4) the run.bat/run.sh script (including running `chmod` on it).