Setting up the SEDS Capstone Raspberry Pi

1. Login as default user
   a. username: ubuntu
   b. password ubuntu

2. Create “temp” directory in “/mnt” for mounting other drives
   a. **ubuntu: $** sudo mkdir /mnt/temp

3. Insert flash drive, download and unzip tarball with all necessary folders (capstone_files.tar.gz) to temporary location of your choosing
   a. **ubuntu: $** sudo mount /dev/sda1 /mnt/temp
   b. **ubuntu: $** cp /mnt/temp/capstone_files.tar.gz <destination>
   c. **ubuntu: $** tar -xzf capstone_files.tar.gz

4. Create user “seds”, add to same groups as default user, and set password as “raspberrypi” (or whatever you want)
   a. **ubuntu: $** sudo su
   b. **root: #** bash create_user.sh
   c. **root: #** exit

5. Move tarball and related files into “seds” user’s home directory
   a. **ubuntu: $** mv <destination from 3.a>/* /home/seds

6. Logout of default user account
   a. **ubuntu: $** logout

7. Login as created user “seds”

8. Update Wi-Fi name and password
   a. **seds: $** nano setup_wifi.sh

9. Remove default user account, set SSD to automount, setup Wi-Fi connection, setup GPS, install LimeSuite, and update the LimeSuite udev-rules
   a. **seds: $** sudo su
   b. **root: #** bash capstone_setup.sh
   c. **root: #** exit

10. Install SoapySDR API and other miscellaneous programs, and create permanent aliases for switching between boot to GUI and terminal
   a. **seds: $** bash misc_setup.sh

11. Set boot to terminal
   a. **seds: $** set-boot-to-terminal

12. The Raspberry Pi should now have all required software installed. Reboot to complete setup.
   a. **seds: $** sudo reboot