# Git notes for using Git Desktop

* **Clone** the online repository to a local drive (this allows files to be opened by Atmel studio etc as they are in the file system now)
* **Push**ing the repository will send any changes from Git Desktop to Github. (Don’t often need to do unless working directly on master)
* **Pull**ing the repository will download any changes from Github to Git Desktop. (Do every time you open to keep up to date with other peoples changes)
* Create a **branch** from the master branch (this separates edits from the actual working master copy of the firmware). Each user should have their own branch, make their own edits in their branch, **commit** edits to their own branch with comments. Use your branch to test your code using Atmel Studio etc.
* When the user is happy with the changes to their branch and it is working, a **pull** request can be made to propose merging the user branch into the master.
* This **pull** request should be reviewed by other users before being confirmed, to check that the changes in the user branch are correct and everyone wants them in the master branch.
* Once the **pull** request has been approved, the branch can be deleted. Repeat the process for further edits or keep the branch open and keep committing to it.