**A basic overview of using git**

1. First go download git bash/gui at <http://git-scm.com/download/>
2. Create a ssh key
   1. Windows:
      1. Install git bash/gui
      2. Run “ssh-keygen” without the quotes
      3. It will ask you where to save the ssh key. The default is fine. Press enter to use the default
      4. It will then ask you to set a phase phrase this is optional. Enter leaves it blank
      5. Then you need to send the public key to David. The key default location is “C:\Users\your name\.ssh\id\_rsa.pub” ( Not the id\_rsa file ). Before you send the id\_rsa.pub to David you need to rename it to “lastnamefirstname.pub”
   2. Mac:
      1. Run “ssh-keygen” without the quotes
      2. It will ask you where to save the ssh keys. The default is fine. Press enter to use the default
      3. It will then ask you to set a phase phrase this is optional. Enter leaves it blank
      4. Then you need to send the public key to David. The key default location is “~/.ssh/id\_rsa.pub” ( Not the id\_rsa file ). Before you send the id\_rsa.pub to David you need to rename it to “lastnamefirstname.pub”
   3. Linux:
      1. Run “ssh-keygen” without the quotes
      2. It will ask you where to save the ssh keys. The default is fine. Press enter to use the default
      3. It will then ask you to set a phase phrase this is optional. Enter leaves it blank
      4. Then you need to send the public key to David. The key default location is “~/.ssh/id\_rsa.pub” ( Not the id\_rsa file ). Before you send the id\_rsa.pub to David you need to rename it to “lastnamefirstname.pub”
3. Once you have been added to the repo. You can then clone the repo and start to work with it.

To clone the repo using the gui enter the source [git@209.129.8.5:computer-club.git](mailto:git@209.129.8.5:computer-club.git)

If you are using git bash enter this command “git clone [git@209.8.129.8.5:computer-club.git](mailto:git@209.8.129.8.5:computer-club.git)”.

1. Once you have changed some files. You can then commit and push the changes.
   1. Git gui
      1. Hit the rescan button.
      2. Stage the commit
      3. Set you name and email by going to Edit -> Options
         1. On the left hand side user name field enter your first and last name
         2. On the left hand side email field enter your email address
         3. Then click on the save button
      4. Enter a commit message saying what you have changed and then hit the commit button
      5. Then you can hit the push button
         1. If the push fails you may need to get the latest version of the repo.
         2. To do this you need to go to Remote -> Fetch -> origin
         3. Then you need to merge the change by Merge -> Local Merge
   2. Git bash
      1. “git status”
      2. If you have modifications then enter “git add \*” to stage all the file
      3. Then you want to set your name and email
         1. To set you name enter “git config --local user.name “Firstname Lastname” “ ( the quotes surrounding your name need to be there)
         2. To set you email enter “git config --local user.email “youremail@site.com” “( the quotes surrounding your email need to be there)
      4. Now you can commit you changes using this “git commit –am “this is the commit message”” (the quotes around the commit message need to be there)
      5. Once you have committed your changes you then need to push your changes to the server using “git push”
         1. If the push fail you may need to get the latest version of the repo
         2. Just enter “git pull” to fetch the changes and merge the newest version
2. Now that you committed your files say someone else made a change to the repo. To get the latest version you need to…
   1. Git gui
      1. To do this you need to go to Remote -> Fetch -> origin
      2. Then you need to merge the change by Merge -> Local Merge
   2. Git bash
      1. Just enter “git pull”