Hi all,  
  
This is my latest recipe for how to use Git and GitHub for the OpenEMRConnect project. It was originally based on Wesonga's instructions, and was most recently changed this morning as we went through the process.  
  
**A) Set up Git and Github:**1. Create yourself an account on github.com. Then go to [http://github.com/jimgrace/OpenEMRConnect](https://kisumumail.kemricdc.org/exchweb/bin/redir.asp?URL=http://github.com/jimgrace/OpenEMRConnect) and select the "Fork" button in the upper right of the screen. This will create your copy of the repository in your account, called [http://github.com/yourUserName/OpenEMRConnect](https://kisumumail.kemricdc.org/exchweb/bin/redir.asp?URL=http://github.com/yourUserName/OpenEMRConnect)2. Install Git on your machine. I find it useful to install both Git GUI (to see what you've changed) and Git Bash (to issue Git commands).  
  
3. Configure Git to work with GitHub. Follow all the directions on [http://help.github.com/win-set-up-git/](https://kisumumail.kemricdc.org/exchweb/bin/redir.asp?URL=http://help.github.com/win-set-up-git/)4. Using Git Bash, change directory into the folder ABOVE where you want your project files to be, like this:  
  
    cd '/c/Documents and Settings/Jim Grace/My Documents/NetBeansProjects'  
  
Then clone your github forked repo from GitHub onto your local machine:  
  
    git clone git@github.com:yourUserName/OpenEMRConnect.git  
  
This will create the project folder OpenEMRConnect UNDER the current directory. (The repository is stored in the subfolder ".git" under OpenEMRConnect.) Now cd down into the repo in Git Bash, for example:  
  
    cd OpenEMRConnect  
  
Add a branch to refer to the original jimgrace repo on github.com. You can use anything you like, but our convention is to name this branch the same as your own github user name:  
  
    git remote add --track master yourUserName git://github.com/jimgrace/OpenEMRConnect.git  
  
To confirm the clone has worked type "git remote". You should see something like:  
  
    yourUserName  
    origin  
  
Or you can type "git remote -v" for the verbose listing:  
  
    yourUserName  git://github.com/jimgrace/OpenEMRConnect.git (fetch)  
    yourUserName  git://github.com/jimgrace/OpenEMRConnect.git (push)  
    origin        git@github.com:yourUserName.git (fetch)  
    origin        git@github.com:yourUserName.git (push)  
  
5. For extra convenience (highly recommended), right-click on the start menu shortcut to Git Bash and choose Properties. Set the "Start in" directory to where your OpenEMRConnect folder is. For example "c:\Documents and Settings\Jim Grace\My Documents\NetBeansProjects".  
  
**B) At regular intervals (like every morning)**Fetch and merge the latest from the jimgrace repository:  
  
    git fetch yourUserName  
    git merge yourUserName/master  
  
**C) To check in your changes**1. Commit any changes you have made, then merge with the jimgrace repository. Then push your local repository to your account on GitHub:  
  
    git add .  
    git commit -am 'Your reason for the change.'  
    git merge yourUserName/master  
    git push origin  
  
2. Go to your repo on the Github website [http://github.com/yourUserName/OpenEMRConnect](https://kisumumail.kemricdc.org/exchweb/bin/redir.asp?URL=http://github.com/yourUserName/OpenEMRConnect). If you like, click on "Commits" and you should be able to see all the differences you just checked in to your repo. Click "Pull Request" in the upper-right part of the page and write a short reason for your pull request. If you need to send more of a message to Jim, do it in the larger text box below.  
  
Cheers,  
Jim