This only covers SVN using Code Composer. However, you are free to use other clients.

1. Each group will be assigned a group folder (Group_xx), user name (Group_xx) and you select a password. The default password is the same as user name (Group_xx).

2. First you will need to upload an existing project to your groups repository.
   a. In CCSv4 right click on the project which you wish to upload, then select Team- >Share Project...
   b. Select SVN as the repository type
   c. For the URL, type in http://sipi-dsp-11.usc.edu/DSPLab2012/repos/Group_xx/Trunk where xx is your group number and Trunk is the standard repository folder name where active projects are stored
   d. At the next screen either select to use the existing project name or chose a new one
   e. Finally you can add a comment to your commit, which helps to keep track of changes and to know the details of the revision of your code you are uploading. In this case since it is just the initial uploading a comment is not important.
   f. Click Finish

3. Using the Team Synchronize perspective
   a. In the upper right corner you can select which ‘perspective’ you are viewing (up until now we have used C/C++ and Debug perspectives), for committing your code to SVN we use the Team Synchronizing perspective
   b. Open the Team Synchronizing perspective. In the Synchronize window all files which need to be committed to the repository are shown. To commit changes either right click on the project inside the Synchronize window and select Commit. Or select the Commit All Outgoing Changes button from the button bar in the Synchronize window
   c. You should be able to add comments to your changes (which helps keep track of revisions!!)
   d. Once you have committed changes return to the C/C++ perspective to resuming coding.

4. Checking out a project
   a. If you switch PCs within the lab, or work from home you will have to ‘Checkout’ your project from the SVN repository.
   b. To ‘Checkout’ a project, first open your group repository by selecting Window->Show View->Other... from the tabs in the main window in CCSv4. In the ‘Show View’ dialog box that appears select SVN->SVN Repositories
   c. The ‘SVN Repository’ view will open a window. Either right click and select New->Repository Location or select the Add SVN Repository button.
   d. Enter the URL for your groups repository location, i.e., http://.../Group_xx/Trunk
   e. When the repository appears in the window right click on the project and select Checkout. The ‘Checkout As’ dialog allows you to define a project name in the current workspace, and decide which revision to checkout. Unless you have a reason to not select the HEAD revision (the latest) checkout the project with the default settings.

5. ‘Tagging’ a revision
a. If there is a specific revision of the code that you wish to be able to easily access later you can `Tag` it, i.e., Prototype v1, Demo_Final, etc.

b. Assuming you are working with a checked-out copy of your project (i.e., the project is in the repository) to `tag` a revision (from the C/C++ perspective) right click the project and select **Team->Branch/Tag**...

c. The 'Create Branch/Tag' dialog box appears and requests a location to 'Copy to URL:' Instead of using the Trunk folder in the repository use the Tag folder, i.e., ..../Group_xx/Tag to save the copy to.

d. Later you can 'checkout' the tagged version of your code