Set up Google Code SVN repository (Only one per team)

1. Go to https://code.google.com and if necessary sign into your google account
2. Click on create new project link

3. Fill out information make sure to check Subversion under version control (git does not play well with LabVIEW)

4. Once you reach the project page, on the top click Administer -> sharing and add your teammates
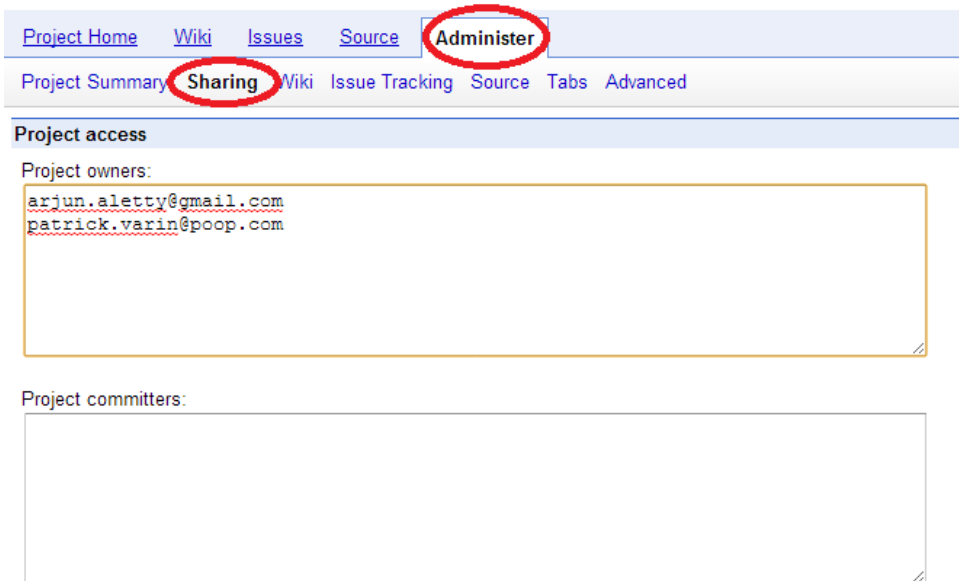
5. Go to the source tab to find the SVN url of the project

Installing TortoiseSVN

1. Visit http://tortoisesvn.net/downloads.html and download the correct version of TortoiseSVN for your laptop. The download should start automatically after you are redirected to a SourceForge website.
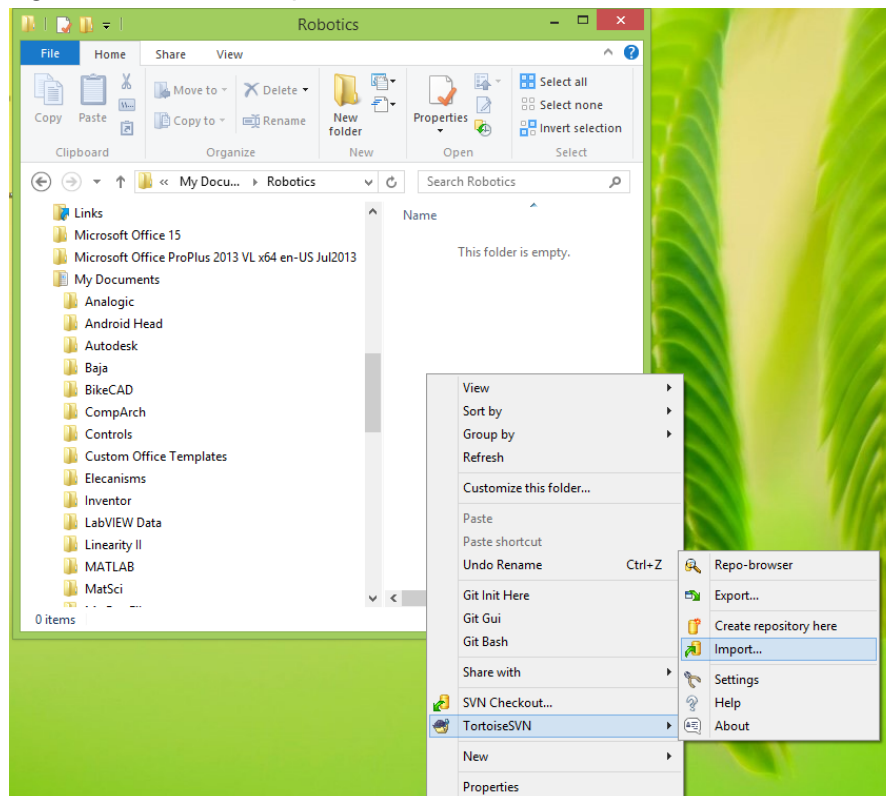2. Open the .msi file and the installation should begin.

3. Enable installation of the command-line tools
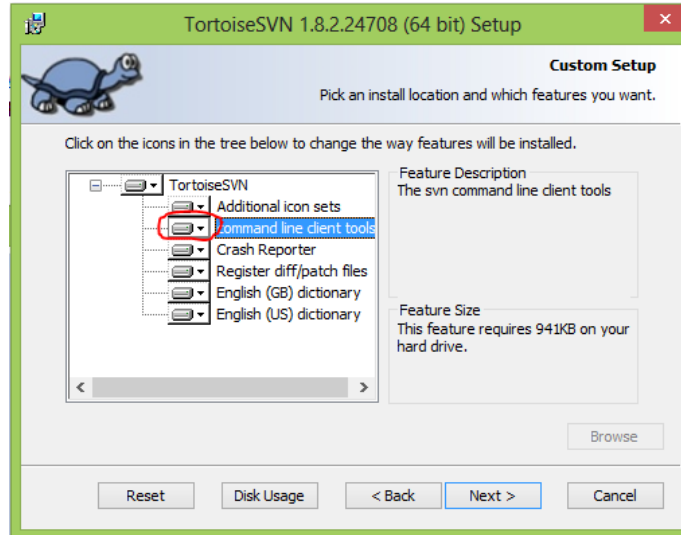
Setting Up TortoiseSVN

1. Import an existing SVN repository by right-clicking in a location in Windows Explorer and selecting TortoiseSVN ->import

2. Add the URL of the repository (e.g. https://<your-project-name-here>.googlecode.com/svn/trunk/)
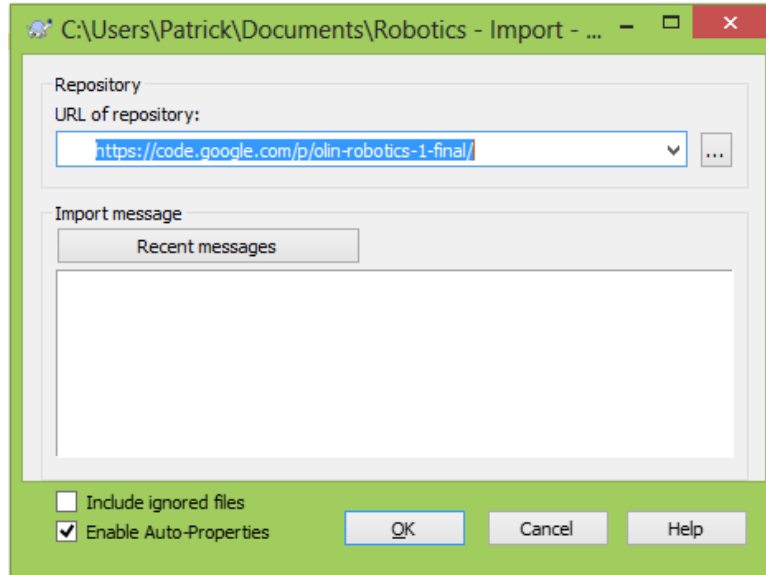
3. Visit https://code.google.com/hosting/settings to view the username and password that Google Code generated for you.
4. Enter these Google Code credentials when it asks for authentication.
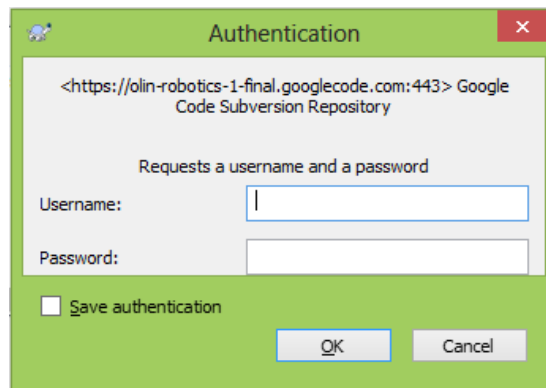
5. Back in Windows Explorer navigate to the directory that you wish to put the repo in and right-click to checkout the repository.
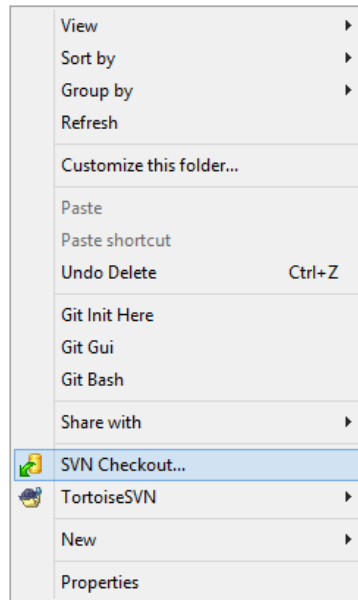
6. Select the appropriate source and destination directories (these will probably default to the correct locations) and click OK.
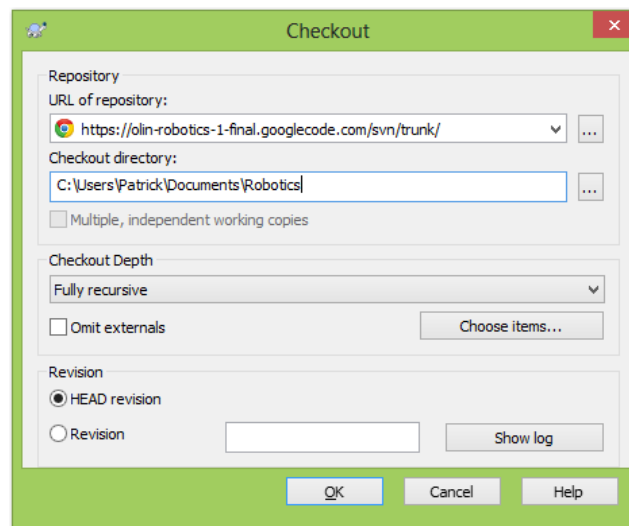
7. Your repository should now appear in the directory that you specified.

Add code to the repository

1. Copy the code to the folder you checked out/imported the repository to in the previous section
2. Right click code folder-> TortoiseSVN -> Add
3. Then right click the root/main repository folder -> SVN Commit (this may take some time since you are uploading it all to google code servers)
4. Your teammates now can right click their code folder -> SVN Update and get the update folder with all the files

Basic Workflow

SVN is a type of version control which allows for effective management of code in a group and allows you to revert to a previous revision in case you mess up or break the code.

Use **TortoiseSVN -> Add** when you make a new file to add that file to the repo

Use **TortoiseSVN -> Delete/Remove** when you want to delete a file

Use **SVN commit** when you want push your changes to the server

Use **SVN update** to get the most up-to-date code from the server
- It is highly suggested to SVN update before you start working every time to ensure you have the latest code

Use **TortoiseSVN -> Revert** to revert files/folders you selected to a previous revision