

BEST Robotics summer course 2013

Exercises - Quick introduction to SVN

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Optional exercise A: Monday July 15th, 10:30 in the group rooms. A quick introduction to subversion (SVN). You should get familiar with the five basic SVN commands: checkout, commit, add, update & resolved.

These exercises assume you are using SVN via commandline.

- Each group has its' own SVN repo on Google Code. You are going to perform a checkout, which will store a local copy of the repo on your harddrive. Open up a commandline/terminal application and type the following:

```
svn checkout https://best-sc13-<group-name>.googlecode.com/svn/trunk/  
best-sc13-<group-name> --username <username>@gmail.com
```

You will be prompted for a password – you may retrieve your auto-generated password at <https://code.google.com/hosting/settings> (you need to be signed in to your Google account).

- Now you have a local copy of the repo on your harddrive. It is time to add some files to the repo. Start by creating a document in the folder you just performed a checkout on. Let us call it “hello-*jyour-firstname*.txt”. In the commandline/terminal application type the following:

```
svn add hello-<your-firstname>.txt  
svn commit -m ‘‘this is my first commit’’
```

You should now successfully have committed a document to the repo. The other group members should now be able to update the repo and see your document.

- Perform a SVN update command and view the other group members' documents.

```
svn up
```

- In case of a conflict you will have to open the file in conflict and resolve it. When the conflict has been resolved you must perform a `svn resolved` command. Let us imagine you have resolved the conflict in the figurative file “myfile.txt”.

```
svn resolved myfile.txt
```

Afterwards you should make a commit. Try to force a conflict.

BEST Regards
Daniel Hillerström