SVN – Guide

1. General remarks

This class uses a special way to distribute files and to collect homework. All files will be downloadable from a central server, while all submissions should be uploaded to this server. We will use the subversion (svn for short) versioning system, which does not only allow for read/write individualized file access, but which also versions all the files. That is, once something was loaded up, it will never be overwritten, but only updated, and all changes will be saved. It is always possible to get any older version from the repository.

2. Setup of a local copy of the repository

You will need to download the repository to a place where you want to work on the project. If you want to work somewhere in the CIS-system, for example on stimpy, you can checkout the repository by typing

```
svn co svn://<username>@svn.acad.ece.udel.edu:31383/repos/CISC672-F08
```

(where <username> is your cis-username) in the command line. Automatically a new folder will be created and you will have your working copy in that folder.

If you want to access the repository from the outside, you need to include

```
/usa/koetzing/public/svnhelp
```

in your search path for your cis-account (ask your TA if you have problems with that). Then you can check out the repository from the outside via

```
svn+ssh://<username>@stimpy.cis.udel.edu/repos/CISC672-F08
```

If you do not have access to the searchpath as given above, please contact your TA for help.

Whatever way you choose to log on to the repository, you will be asked for a password, which will be provided to you.

3. Using other systems than the cis-system

To make use of svn, you will need to have an svn-client installed on your computer. The cis-servers already do have a Linux-command-line version installed. There are various other clients freely available on the Internet, for any given operating system. Please search the web to find something suitable for your purposes or contact your TA for recommendations.

4. Structure of the repository

- "bin" – The folder "bin" includes binaries for spim and coolc. Also, here is a version of spim and a special "trap.handler" file, which is needed to compile a version of spim suitable for our purposes.
- "assignments" – Assignments will be posted in the "assignments" folder.
- "resources" – In the "resources" folder you can find two manuals (cool and spim), as well as "CoolOverview.pdf", slides, that give a quick intro into cool, and also giving some more pointers.
- <yourAccountName> – There is also a folder with your name. This is the only folder where you have the right to write. All your work should go into that folder.
- "examples" – Eventually there will also be a folder named "examples", which will provide a range of different cool programs which you can use for testing of your later phases.

You have read/write permission only in the folder having your name, all other folders are only read-accessible (and of course the folders of your classmates are hidden from you).