

## MSc & ICY Software Workshop 2011

### Submission via Subversion (SVN)

For exercises in this module, we require you to submit your work using Subversion, or SVN. SVN is a revision control software, which allows you to access your work remotely, log changes to files, and roll back to previous versions if something goes wrong. It also acts as an excellent tool for collaborative work, which is why we require it to be used in the final project.

The School operates a Subversion server, which all students may set up accounts on. Details of the SVN service are given at <https://supportweb.cs.bham.ac.uk/services/subversion/>. Links on that page will explain how to download and use SVN on your own machines.

To submit your work this week, you must first create a repository named **SoftwareWorkshop** at <https://codex.cs.bham.ac.uk/svnadmin> - this will ask you to log in using your Computer Science account, and may take a few minutes to complete. You may wish to ask the demonstrators in a lab session for guidance if you need it.

The other thing you will need to do is allow the tutors to access the repository. Once you have created the repository, click *Manage my repositories* on the sidebar, and under **Changing access permissions**, click *Edit access control*. You should now have a text box with some text in it. Replace the contents of your file with the following, replacing **username** with your CS username:

```
[groups]
mscteach = bjw608, hxq, jxh576, udr, bxs442, fof861, axm322, mis157

[/]
* =
username = rw

[SoftwareWorkshop:/]
@mscteach = rw
```

A quick start guide to using SVN on Windows or Linux is given at <https://supportweb.cs.bham.ac.uk/services/subversion/quick-start.php>. The most common operations you will use are commit and update. Commit

uploads your changes to the SVN repository, and update will refresh your local copy with any newer files stored in the repository. When committing, you should include a short description of the changes made, for easy reference later. You can commit work as many times as you like, and you can “roll back” to a previous version if something goes wrong. Again, ask the demonstrators in the lab sessions if you are having trouble.

You should have each week’s work stored in a separate folder, named “week1”, “week2”, etc. These folders should contain all the .java files for the week’s exercise, and any other files you need to run the programs. Files provided on the website, and .class files, are not required to be submitted.

SVN records timestamps for each commit, so you **must** make a final commit of your work by the deadline or you will have the late penalty applied.

To summarise, you must set up an SVN repository named **SoftwareWorkshop**, and exercise submissions to it should be contained in folders “week1”, “week2”, etc, each storing all .java files to be submitted, and preferably no other files. You should set up your repository ASAP, and the final commit should be before the exercise deadline. Any submissions not complying with these guidelines will have marks deducted.