Building Scetris

As of the end of our 3rd Iteration

First step: Do a clean check-out

\$ svn co https://dev.spline.de/svn/score-myCourses/trunk scetris

Second step: Setup a development environment

You are generally free on how to setup your development environment. However, our build.xml provides some useful targets to enhance the setting up of an environment. For example it can automatically download required libraries (they will be downloaded to the directory lib in trunk). The command is:

\$ ant get-libs

Since 2010-W43 it is also possible to download a lightweight tomcat-bundle and have it setup for you. The command is:

\$ ant get-tomcat

To start tomcat you can type:

\$ tomcat/bin/startup.sh

or (on Windows)

\$ tomcat/bin/startup.bat

Replace "startup" with "shutdown" to stop tomcat.

If you just want to restart tomcat, you may want to use tomcat for this (currently work with UNIX only):

\$ ant reload

There is a shortcut for doint <u>get-libs</u> and get-tomcat at once (even in parallel):

\$ ant setup

(Note that setup will also create folders like "bin" if they did not exist already)

Third step: Start developing

To build the project you may now simply type:

\$ ant

If you setup your development environment using step 2 it is also possible to have it installed into the automatically created tomcat installation using:

\$ ant install

(Note that ant install does not automatically build the project, you have to to both).

Afterwards you will have to restart tomcat to see the effect. There is a shorthand for this:

\$ ant reinstall

If you want to build, install and restart tomcat, there is a shorthand for this too:

\$ ant rebuild

Cleaning up

If you want to take back what ant has done for you you may simply clean your installation with one of the clean-commands. Most special targets do have a counter action; here's a list of them:

(scetris is the default target)

There is also a purge command which will also rollback any setup which has been done. In other words: purge will remove everything which has been created automatically using ant.

Advanced build: Custom configuration

Since 2010-W43 it is possible to customize build configuration. The build.xml can be tweaked using various properties, to get a list of them you may simply type:

```
$ ant list-properties
```

To have them persistent type:

```
$ ant make-properties
```

which will create a file called "build.properties" in your trunk. It is set to be ignored by SVN, so you may customize it to your own needs (like specifying a local password for the database or a customized web.xml).