

Exercises for Global Software Engineering

Preliminary Remarks

- For the Activities of this week's Homework Assignment, you will need a working account on the lab machines and on `cvsbuegge.informatik.tu-muenchen.de`.

If you have not already done all of the following steps, be sure to do them early this week!

- a) request a department-wide *MacOS X* account by authenticating on the TRAMP homepage (open your Team BBoard) and then fill out the online registration at <http://tramp.globalse.org/registration.nsf>
 - b) bring the signed and filled out form to Helma Schneider during her office hours and get your picture taken. If you lost the form, ask Helma for a new one.
 - c) do **Homework Assignment 1**. If you do not complete **all** homework assignments by the end of the semester, you will not get a Schein!
- If you need help with the Activities, refer to the CVS Book at <http://cvobook.red-bean.com/>

Activity 4 (HW) CVS basics

Set the required environment variables in your shell (`.tcshrc`) and create an SSH key-pair with `ssh-keygen` and install it correctly to the appropriate files to enable CVS operations.

Check out a working copy of the test module from the tramp repository. Create a directory with your username and copy the one and only java program `HelloWorld.java` and the `Makefile` from the `template/` directory into your new directory. Execute the `HelloWorld.java` by using the `Makefile` (`make run`) and check in all the necessary files.

Activity 5 (HW) CVS keyword substitution

Edit your `HelloWorld.java` file: Add the revision number to its output, include the header and all identification information in the comment lines at the beginning of the file. Then commit your changes.

Example of new output:

```
$Revision 1.3$  
Hello TRAMP
```

Modified Sourcecode:

```
// my first java program  
// add CVS Header here  
// add CVS ID here  
(...)
```

Activity 6 (HW) CVS file merging

Create a conflict: Check out a second working copy of the test module to a different directory and modify the `HelloWorld.java` file in both working copies. Change "Hello Tramp" to "Hello World" in the first copy and to "Hello User" in the second copy. Check in both files.

Post the sourcecode containing the conflict indication on the Homework BBoard in the *Activity 6* category.

Solve the conflict and check the file in.

Please turn over!

Activity 7 (HW) CVS log

Get the log of your `HelloWorld.java` program and post it on the Homework BBoard in the *Activity 7* category.

Activity 8 (HW) CVS website

Check out the `tramp1` module of the tramp repository and read the `readme.txt` file.

Modify the file belonging to your team in `tramp1/website/teams/` to include useful information about your team. Use relative URLs to pages on the same host, only use absolute links where absolutely necessary!

Make sure that your modifications didn't break the XHTML1.0 compliance by following the link to the W3C validator on the bottom right of the `http://tramp.globalse.org/teams.html` page and correct any mistakes that you might have introduced.

