

## Exercises for Global Software Engineering

### Preliminary Remarks

- The  $\text{T}_{\text{E}}\text{X}$  distribution we will use during the TRAMP project is  $\text{t}_{\text{E}}\text{X}$ , one of the most popular distributions. It is available for most UNIX based platforms.
- For your convenience, our IT group installed TeXShop, an easy-to-use  $\text{T}_{\text{E}}\text{X}$  and  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$  environment. This program can be found at  
`/Network/Applications/TeXShop`
- If you prefer using an ordinary terminal plus an arbitrary text editor for your work with  $\text{T}_{\text{E}}\text{X}$ , you have to add the line  
`setenv PATH /Network/Library/Unix/bin:$PATH`  
to your `.tcshrc` file.
- In this Assignment, you will be asked to post several files at the Homework BBoard. Please make your coach's life easier by naming these files exactly the way you are told.

### Problem 9 (HW) $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ teaser, CVS revisited

Check out the directory `tex` in the `test` CVS module. In the subdirectory `template`, you will find the  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$  source we used in the tutorial.

- a) Change the font size to 12pt, the documentclass to `article` and the author tag to your name. Compile the file and post the result with the name `article.pdf` under the category *Problem 9* to the Homework BBoard.
- b) Now exchange the first two sections. Recompile the file as often as necessary and post the result with the name `exchange.pdf`.

*Remember:*

If you misuse CVS and check in modified files, a simple `cvls log` gives us your username. What happens next, is left to your imagination...

### Problem 10 (HW) Write your own $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ document

At <http://tramp.globalse.org/doc/homework/Problem10.pdf> you find a document created by  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$ . Write a  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$  file named `MyOwn.tex` that generates exactly the same document (except for the author's name, which has to be changed to your name) and post it along with the compiled file `MyOwn.pdf` to the Homework BBoard under the category *Problem 10*.

Hints:

- If you do not succeed in exactly reproducing the given file, post your partial solution anyway.
- Remember that  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$  gets the document *structure* as an input and typesets a pretty document out of it. You therefore do not have to worry about pagebreaks and similar stuff.
- The documentclass is `scrrprt`. Note that the top level section command in this class is `chapter`.
- The fontsize is 12pt.
- Include the file `your_cvs_directory/test/tex/settings.tex` to load the necessary  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$  packages. You do not need any additional packages.
- The necessary image file is `your_cvs_directory/test/tex/donut.jpg`. Its width is 3cm and it is inserted in the  $\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$  source code right before the section called *The App's Color*.