Exercises

November 7, 2024

1 First steps

1.1 Structuring your document

Create some sections and subsections that would be a common structure for a paper in your field or maybe part of your dissertation.

1.2 Add more text

Using \lipsum, add some blindtext to your chapters so that the document starts to look a bit more like an actual paper and you get an impression of how simple LaTeX-Text looks.

1.3 Graphics

Add a second and/or third graphic to different sections of the document, give each a unique label and caption.

1.4 Tables

Recreate the following table, add a unique caption and label. Greek letters can be inserted like this: α .

| Wert 1	Wert 2	Wert 3
α	β	γ
1	1110.1	a
2	10.1	b
3	23.113231	c

Table 1: The best table.

1.5 Referring to things

Add labels to some or all of your section titles. The write a sentence where you refer to a section, to a figure and to a table using the respective labels.

2 Working with Templates

2.1 CV in LaTeX

1. Go to Iilias and click on link to the CV-template or use this: https://www.latextemplates.com/template/developer-cv

2. Download zip-file (do *not* "Open in Overleaf" as that is overleaf.com)

3. Go to Overleaf

4. Go to "Home" via the ⌂- button at the top and click new project - from zip-file

5. Upload the zip-file to Overleaf

6. Compile as is

7. Scan through the template, try to understand what is going on

8. Just for fun look at the cls-file as well, this is where most of the settings are defined

9. Look for "black" in the document, change some instances of that to "red", compile and compare

10. Go back to the main.tex-document

11. Start adding your own info

12. Compile again

13. Try adding at least:

    - your name
    - a short (fake) bio-text
    - your skills as indicated in the bars and in the dots (use your hobbies, gaming, knitting or other silly skills if you want)
    - one item for your experience
    - one real item for your education

14. Compile!

2.2 Classic Thesis Template

2.2.1 Getting set up

1. Go to Link in Ilias for classicthesistemplate

2. Download zip-Package

3. Go to Overleaf

4. Go to "Home" via the ⌂- button at the top and click new project - from zip-file

5. Upload the classicthesis-zip-file to Overleaf

6. You will have a lot of files, which is what we want

7. Try and compile as is

8. Have a first look at the pdf and the files in the explorer on the right and try to understand which parts are where

2.2.2 Understanding the Template

1. Go to classicthesis-config.tex and look at the info

2. Also scan the files in the folders

3. Try to understand, what is going on in the classicthesis-config.tex-file

4. What parts does it have? What does it do? Look at the complied pdf and try to understand where each part comes from

5. How would you add a new abstract?

6. Try it (either something relating to your thesis or some wikipedia-text)

7. Compile and check if it worked

2.3 Adapting the Template

1. Go back to classicthesis-config.tex-file

2. Starting in line 46 you should add general info/metadata in this file, such as your name, title of your thesis, your prof's name etc.

3. Add your info and compile

4. Some of the items do not appear automatically on the title page even if you fill them out

5. Go to Titlepage.tex in the folder FrontBackmatter and see what is going on

6. How do you fix it?

7. Next, add the UoC-logo

8. You can get it from the Ilias folder and upload it to the gfx-folder in your overleaf-project

9. Figure out how to add it instead of "TFZsuperellipse_bw"

10. Now, let's change colors to UoC-colors: Maybe in the config-file line 174?

11. No: You have to do that in the .sty-document

12. Go to classithesis.sty and look at the info

13. Search the file for "colors"

14. Starting in line 143 adapt colors with UoC-Colors, copy the line you want to modify and comment out the original line, so that you can refer back to it if needed. We are using hexcodes instead of RGB-colors:

```
\definecolor{CTsemi}{gray}{0.55} % chapter numbers will
be  semi transparent .5 .55 .6 .0

%\definecolor{CTcitation}{rgb}{0,0.5,0} % WebGreen
\definecolor{CTcitation}{HTML}{009DCC} % UcO Türkis

%\definecolor{CTurl}{named}{Maroon} % Maroon
\definecolor{CTurl}{HTML}{EA564F} % UoC Koralle

%\definecolor{CTtitle}{named}{Maroon} % Maroon
{cmyk}{0, 0.87, 0.68, 0.32}
\definecolor{CTtitle}{HTML}{EA564F} % UoC Koralle

%\definecolor{CTlink}{named}{RoyalBlue} % RoyalBlue
{cmyk} {1, 0.50, 0, 0}
\definecolor{CTlink}{HTML}{005176} % UoC Darkblue

%\definecolor{halfgray}{gray}{0.55} % chapter numbers
will be semi transparent .5 .55 .6 .0
\definecolor{halfgray}{gray}{0.55} % chapter numbers
will be semi transparent .5 .55 .6 .0

%\definecolor{webgreen}{rgb}{0,0.5,0}
\definecolor{webgreen}{HTML}{009DCC} % UcO Türkis

%\definecolor{webbrown}{rgb}{0.6,0,0}
\definecolor{webbrown}{HTML}{EA564F} % UoC Koralle
```

15. Try adding a grafitto (Note: Sometimes when you hit compile in a chapter-file, you get errors. Go to classicthesis.tex and compile from there.)

16. Draft: Try adding a note that adds a "Draft"-disclaimer

17. Table of Contents: Try changing it to the conventional style