

Bachelor Thesis Template

Adam Lass, Rasmus Helsgaun

October 2020

Contents

1	Task 1	2
1.1	The formalities	2
1.2	Relation to Internship	2
1.3	Content	2
2	Task 2	4
2.1	Graphics	4
2.2	References	8
2.3	Section	8
	2.3.1 Subsection	8
	2.3.2 Subsubsection	8
2.4	Another section	9
2.5	Lists	9
2.6	Tables	10
	2.6.1 Various horizontal alignments	10
	2.6.2 Cell spanning	11
	2.6.3 Multicolumn	11
	2.6.4 Multi row and alignment	11
2.7	Code Listing	11
2.8	Bibliography	12
	2.8.1 Book	12
	2.8.2 Article	12
	2.8.3 Link	12
2.9	ToDo Notes	12

1 Task 1

For the first task we have found the documentation for writing a bachelor thesis on Moodle. Some PowerPoint slides are available from the previous semester introducing the requirements of the bachelor thesis. Below we will describe our findings.

1.1 The formalities

The maximum size of the bachelor project is 40 normal pages (2400 characters pr. page) pr. report +20 normal pages pr. student, i.e.:

- One student can hand-in up to 60 pages
- Two students can hand-in up to 80 pages, etc

There is no absolute minimum, but teachers and examiners experience it to be short if it is shorter than 2/3 of the maximum.
It can be written by groups as well as individual students.

1.2 Relation to Internship

It is recommended your bachelor project builds on the experiences and the product of your company work. Often the internship report contains descriptions of the company and the work you did. You can reuse those parts if you state it clearly in the bachelor report.

1.3 Content

The bachelor report must focus on one or more of the mandatory courses of the program:

- System Integration
- Test
- Databases for Developers
- Large Systems Development

The bachelor project is typically centred on the development of a product, the product being a final developed and deployed product, a part of such, or a prototype

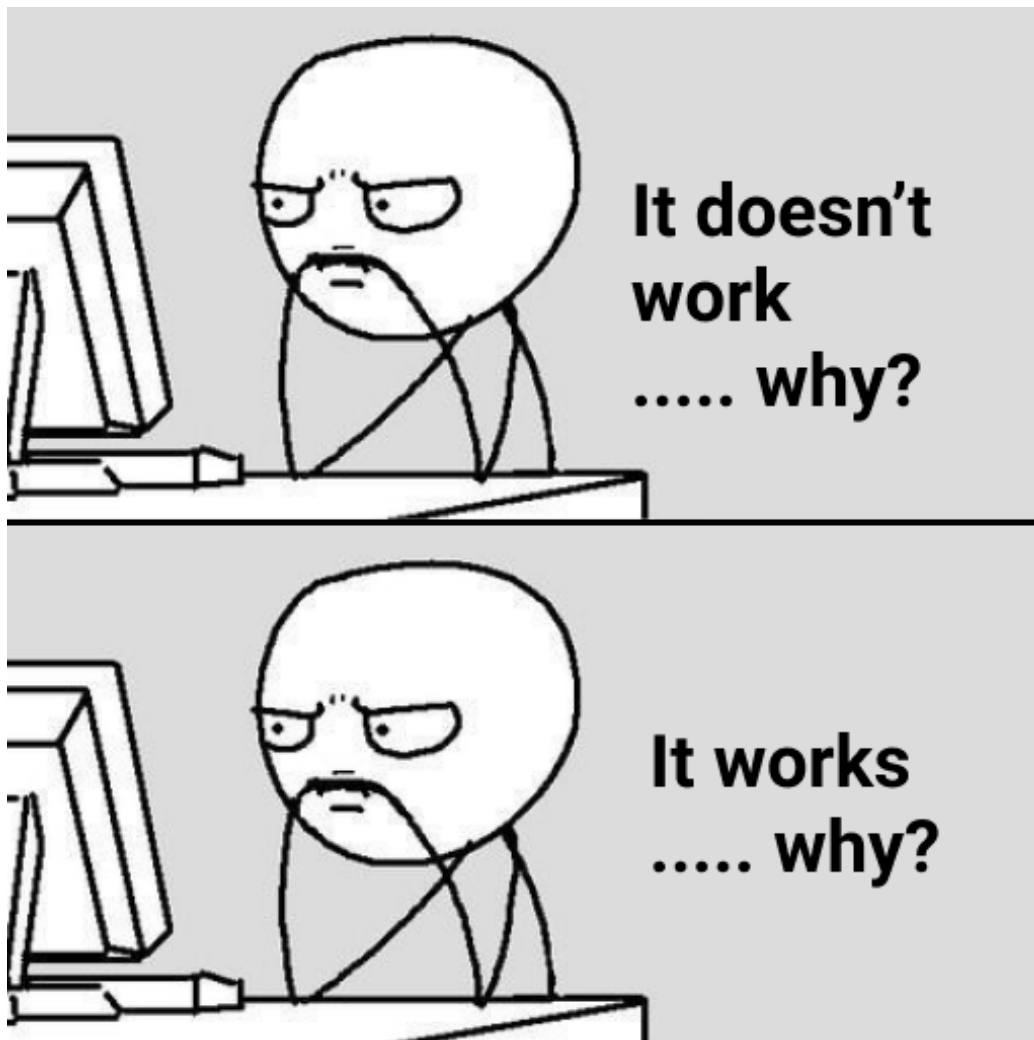
The bachelor report should contain:

- A thorough description of the work done
- A thorough evaluation and reflection of that work

2 Task 2

2.1 Graphics

Figure 1: This is a Caption above



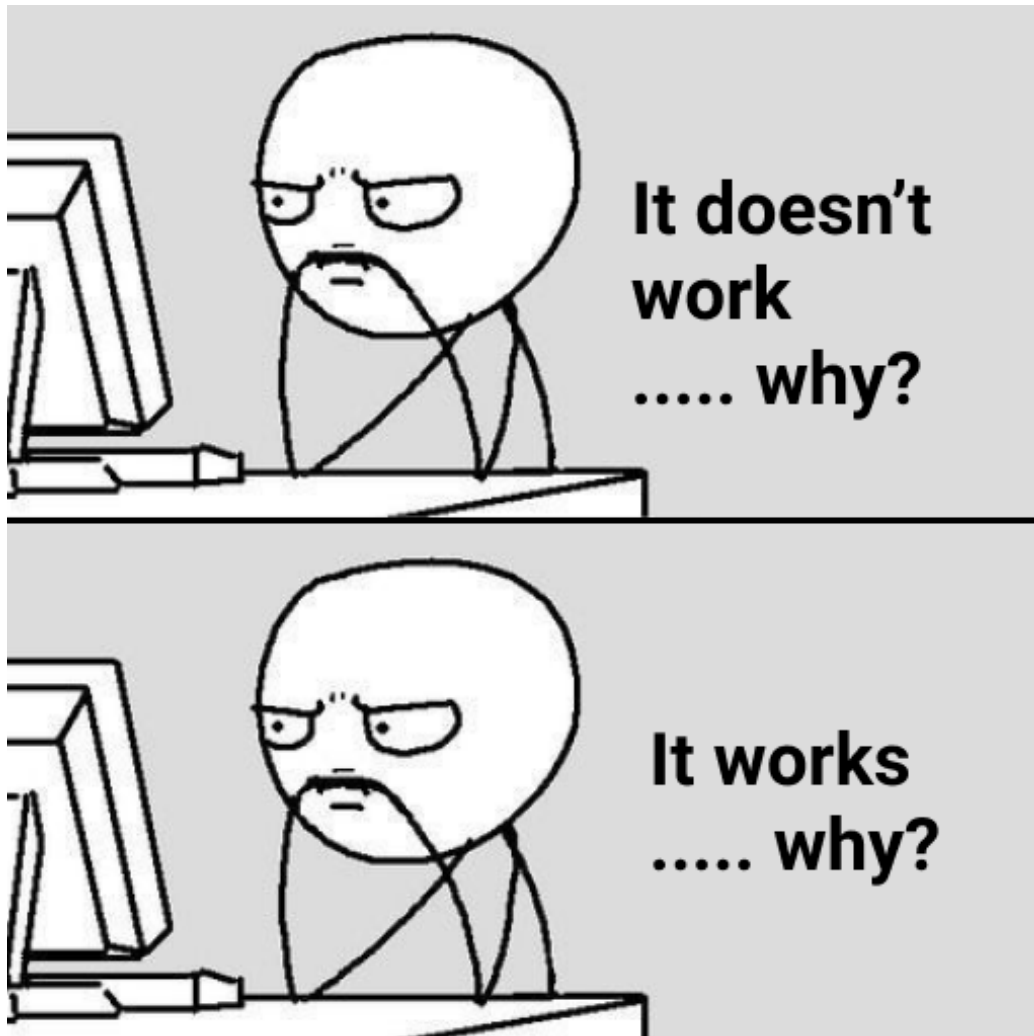


Figure 2: This is a Caption below

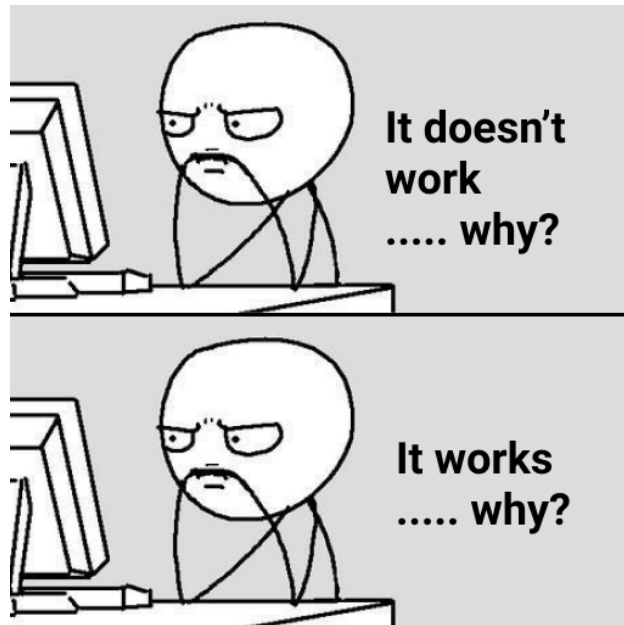


Figure 3: This is a Caption centered

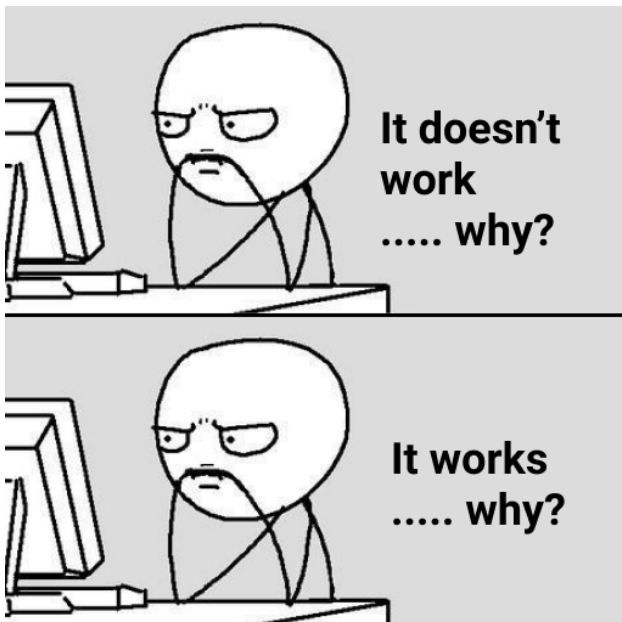


Figure 4: This is a Caption to left

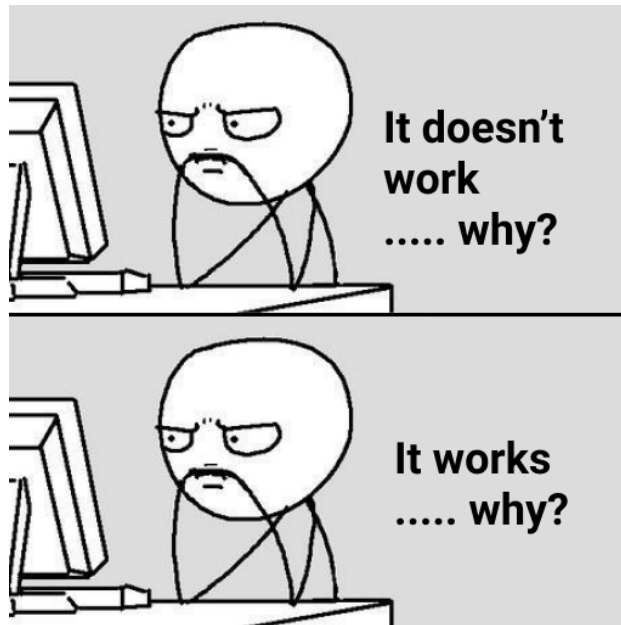


Figure 5: This is a Caption to right

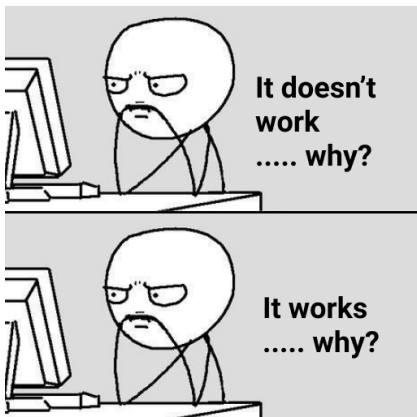


Figure 6: Flower one.

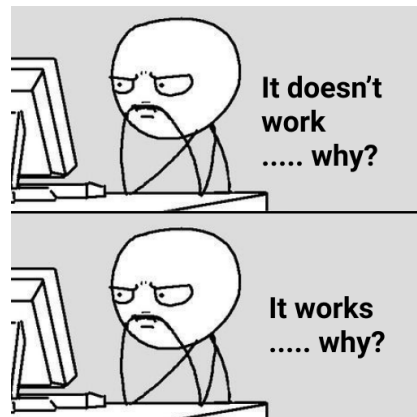


Figure 7: Flower two.

2.2 References

number for figure [3](#)

page number for figure [6](#)

2.3 Section

Hello World!

2.3.1 Subsection

Structuring a document is easy!

2.3.2 Subsubsection

More text.

Paragraph Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Sub Paragraph Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat.

Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Paragraph Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

2.4 Another section

Non numeric Section

2.5 Lists

Bullet Points

- item a
- item b
- item c
- item d

Alternative Points

- item a

- item b
- item c
- item d

Numbered List

1. item a
2. item b
3. item c
4. item d

Alternative Numbered List

- I item a
- II item b
- III item c
- IV item d

Alternative Numbered List

- a. item a
- b. item b
- c. item c
- d. item d

2.6 Tables

2.6.1 Various horizontal alignments

item 11	item 12	item 13
item 21	item 22	item 23

2.6.2 Cell spanning

2.6.3 Multicolumn

first column	second column	third column
Cell spanning three columns		

2.6.4 Multi row and alignment

Multi row	T
	X
	B

Description and Labels

Column One	Column Two
First data	932

Table 1: a simple table description

table number reference [1](#)

table page reference [11](#)

2.7 Code Listing

```
function foo() {  
    return console.log("Hello Latex!");  
}
```

```
foo();
```

```
1 def foo():  
2     return print("Hello Latex!")  
3  
4 foo()
```

Listing 1: Python example

2.8 Bibliography

2.8.1 Book

References

- [1] Michel Goossens, Frank Mittelbach, and Alexander Samarin. *The \LaTeX Companion*. Addison-Wesley, Reading, Massachusetts, 1993.

2.8.2 Article

- [2] Albert Einstein. *Zur Elektrodynamik bewegter Körper*. (German) [*On the electrodynamics of moving bodies*]. Annalen der Physik, 322(10):891–921, 1905.

2.8.3 Link

- [3] Knuth: Computers and Typesetting,
<http://www-cs-faculty.stanford.edu/~uno/abcde.html>

2.9 ToDo Notes

Write
more
to-do
examples