

## Thesis Title



#### Thesis Subtitle

Independent Project in Sociotechnical Systems Engineering – IT Systems

#### Team members:

Name Surname 1

Name Surname 2

Name Surname 3

Name Surname 4

Name Surname 5

#### **Supervisors:**

Kamran Forghani

Second Supervisor Name

## Abstract

The thesis reports on the work you have done over the term. It will include a description of your project, its design, its users, the planning, and so forth. As a rough guideline, each student will contribute equally to the main content of the thesis, not including the Appendix describing in more detail individual contributions.

## Acknowledgements

The acknowledgments section is your opportunity to thank those who have helped and supported you personally and professionally during your thesis or dissertation process. In your acknowledgments, it's okay to use a more informal style than is usually permitted in academic writing, as well as first-person pronouns. Acknowledgments are not considered part of the academic work itself, but rather your chance to write something more personal.

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3 Inc	lividual contributions
B.1	Name Surname 1
B.2	Name Surname 2
В.3	Name Surname 3
B.4	Name Surname 4
В.5	Name Surname 5

## How to use this template

#### 1.1 Thesis organization and formatting

It is required that the thesis be written in either American or British English, but not a combination of the two. In order to pass, the English used in the thesis must be understandable and not so poor as to impede reading. The use of grammar-checking tools such as Grammarly<sup>1</sup> is highly recommended. Footnotes should be used for clarifying comments, rather than references.

A few observations and recommendations about the organization of the thesis and the writing process:

- Note that the headings used in this template are generic, make your own more informative headings.
- You can change the order of sections: write them in an order that feels natural and does not require too many forward pointers.
- You can join or split sections.
- The order in which you write the thesis is usually not the order of sections in the report. Write as you work on the project a paragraph draft or a page at a time and put things into place later.
- The deliverables force you to get started on this writing.
- Anything that refers to code (source files, settings files, etc.) usually belongs in an appendix.

<sup>&</sup>lt;sup>1</sup>To install a Grammarly browser extension, you can this link https://app.grammarly.com/

- Extensive screenshots or use–case diagrams belong in an appendix.
- For smaller teams, feel free to scale down whichever aspects are less interesting for your project.

#### 1.1.1 This is a subsection

Numbered (ordered) lists are easy to create in L<sup>A</sup>T<sub>F</sub>X:

- 1. Items are numbered automatically.
- 2. The numbers start at 1 with each use of the enumerate environment.
- 3. Another entry in the list

#### This is a sub-subsection

You can add a sub-subsection using \subsubsection{heading} command.

#### This is another sub-subsection

#### 1.2 Figures and tables

Figures may be included using the command, \includegraphics in combination with or without its several options to further control graphics. LaTeX accepts figures in the postscript format while pdfLaTeX accepts \*.pdf, \*.mps (metapost), \*.jpg and \*.png formats<sup>2</sup>.



Figure 1.1: This is a sample figure. Image source: [1]

<sup>&</sup>lt;sup>2</sup>For more detail see https://www.overleaf.com/learn/latex/Inserting\_Images

The table environment is handy for marking up tabular material. Each table must have a caption and it should be placed *above* the table <sup>3</sup>.

**Table 1.1:** This is how you make a table.

	parameter	type 1	type 2
$k_0$	something	x	y
$k_0$	other thing	$E = mc^2$	z
au	exponent	2	3

#### 1.3 Cross-references

Thesis documents may be internally hyperlinked. Hyperlinks are generated from proper cross-references in the thesis. Different types of cross-referencing are possible in LATEX:

Chapters: See for example Chapter 1.

**Sections:** See for example Section 1.2 and Subsection 1.1.1.

**Formulae:** According to Equation (1.1), the energy of a system is equal to its mass times the speed of light squared.

Figures and tables: For example see Figure 1.1 and Table 1.1.

Literature references: References must be added manually to the references.bib file. Define a unique key for each reference and use command \cite{key} for citation. For example:

- See the bachelor thesis written by Brink et al. [2].
- The source code of this algorithm can be found in [2, 3].

$$E = mc^2 (1.1)$$

<sup>&</sup>lt;sup>3</sup>For more examples visit https://www.overleaf.com/learn/latex/Tables

# Project description

- 2.1 Introduction
- 2.2 Socio-economic aspects
- 2.3 The user perspective
- 2.4 Development process

# Project design and test

- 3.1 System design and architecture
- 3.2 Technical solution
- 3.3 Evaluation

## Reflection and conclusion

- 4.1 Reflection
- 4.2 Conclusion

## Bibliography

- [1] Overleaf. Inserting images. https://cs.overleaf.com/learn/latex/ Inserting\_Images, 2023. Accessed: April 19, 2023.
- [2] Fredrika Brink, Julia Hellstrom, and Siri Nordlander. *Book Buddies: The Development of a Book Club Application*. Bachelor thesis, Uppsala University, Uppsala, Sweden, 2021.
- [3] Jane Smith, John Doe, and David Brown. A study of lorem ipsum. *Journal of Placeholder Text*, 12(3):45–67, 2023.

# Appendix A

# Appendix

- A.1 System design
- A.2 Technical solutions
- A.3 Testing

# Appendix B

## Individual contributions

- B.1 Name Surname 1
- B.2 Name Surname 2
- B.3 Name Surname 3
- B.4 Name Surname 4
- B.5 Name Surname 5