

# CS799 Ridiculously Advanced Systems

## Term Report

Alex A. Wiseguy

December 4, 2023

### Abstract

This document is a simple template for a typical term or semester paper (lab/course report, “Übungsbericht”, etc.) based on the `HagenbergThesis` LaTeX package.<sup>1</sup> The structure and chapter titles have been formulated to provide a good starting point for a typical *project report*. This document uses the custom class `hgbreport` which is based on LaTeX’s standard `report` document class with `chapter` as the top structuring element. If you wish to write this report in German you should substitute the line

```
\documentclass[english]{hgbreport}
```

at the top of this document by

```
\documentclass[german]{hgbreport}.
```

In addition, the `smartquotes` document option is used in this document for simplified insertion of quotes. To omit the default *title page* (as in this document) use the `notitlepage` option, e.g.,

```
\documentclass[notitlepage,english]{hgbreport}.
```

Also, you may want to place the text of the individual chapters in separate files and include them using `\include{.}`.

Use the abstract to provide a short summary of the document’s contents.

---

<sup>1</sup>See <https://github.com/Digital-Media/HagenbergThesis> for the most current version and additional examples. This repository also provides a good introduction and useful hints for authoring academic texts with LaTeX.

# Contents

<b>1</b>	<b>Aims and Context</b>	<b>3</b>
<b>2</b>	<b>Project Details</b>	<b>4</b>
<b>3</b>	<b>System Documentation</b>	<b>5</b>
<b>4</b>	<b>Summary</b>	<b>6</b>
<b>A</b>	<b>Supplementary Materials</b>	<b>7</b>
	<b>References</b>	<b>8</b>

## Chapter 1

# Aims and Context

Describe the initial goals and situation that lead to this project, requirements, as well as references to related work (e.g., [1]).

## Chapter 2

# Project Details

Describe important project steps, e.g., the rationale of the chosen architecture or technology stack, design decisions, algorithms used, interesting challenges faced on the way, lessons learned etc.

## Chapter 3

# System Documentation

Give a well-structured description of the architecture and the technical design of your implementation with sufficient granularity to enable an external person to continue working on the project.

## Chapter 4

# Summary

Give a concise (and honest) summary of what has been accomplished and what not. Point out issues that may warrant further investigation.

## Appendix A

# Supplementary Materials

The appendix is a good place to attach a user guide, screenshots, installation instructions, etc. Add a separate chapter for each major item.

# References

- [1] Nicholas J. Higham. *Handbook of Writing for the Mathematical Sciences*. 3rd ed. Philadelphia: Society for Industrial and Applied Mathematics (SIAM), 2020. URL: <https://www.maths.manchester.ac.uk/~higham/hwms/> (cit. on p. 3).