

An Open Source Smart home Platform

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Put your abstract here. You should create a short abstract (200 words at maximum) which is on a page by itself. The abstract should be a very high-level overview: for example 1–2 sentences on the aims of the project, 1–2 sentences on the kind of design, implementation, or empirical work undertaken, and 2–3 sentences summarising the primary contribution or findings from your work. The abstract appears in the front matter of the report: after your title page but before the table of contents.

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Acknowledgements

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1 Introduction

1.1 First Section

First section of your introduction. We would be surprised if there is no citation to some literature, e.g., [1, 2].

1.2 Aims & Objectives

When researching available smart home technology, one major gap I came across was the availability of open source software. While options exist for someone interested in connecting their proprietary device to an open source platform (view [here](#)), there was no solution for anyone looking to build their own device and then connect it to an open source hub. In fulfilling this goal, to build an open source platform for both devices and the hub they will connect to, there are multiple objectives that will need to be met along the way.

find the
link to
this

Listing 1.1: Rust Example

```
pub fn main() {  
    println!("hello_world");  
}
```


2 Tables, Figures, and Referring to Them

This chapter shows simple ways of creating tables and figures. It also provides examples on how to refer to them. The creation part is relevant to those using L^AT_EX, but how to refer to them and general style comments are useful for everyone. **2.1 Tables**

There is a table here, Table 2.1. Every table is numbered based on the current chapter, and it has a caption providing a brief explanation of the table. The numbering and captions are what is going to appear in the List of Tables. For L^AT_EX users, note also the [t] next to `begin{table}`, this will always put the table at the top of the page. **2.2 Figures**

Creation and general formatting of figures is similar to the ones for tables. Look for example at Figure 2.1. Remember: as a rule of thumb, if you have a figure or table which is not mentioned in your text, then either you do not need the figure/table or some text is missing! **2.3 Referring to Things**

Remember to always refer to chapters, sections, figures, tables, ... correctly. That is, you might want to refer to something in the former chapter by saying something like “as mentioned in Chapter 1 ...”, “as mentioned in Section ??”, “as it can be seen in Figure 2.1/Table 2.1”, or “more detailed information can be found in Appendix A.

Something	Something
Value A	Value B
Value C	Value D

Table 2.1: A very simple example of a table



Figure 2.1: The university logo as an example figure

Bibliography

- [1] F. Papacchini, M. B. Caminati, and J. Hu. Another example citation. In *Dissertation Templates*, volume 8945 of *Lecture Notes in Computer Science*, pages 143–149. LUL Press, 2023.
- [2] J. Stovold and F. Papacchini. *An Example Citation*, chapter 1, pages 1–31. LUL Press, 2023.

A Original Project Proposal

Put a copy of your proposal here

B Another Appendix Chapter

This could be about your experiments