

# Exploration of Typst for the Composition of a University Thesis

from the course of studies IT-Security | Mobile Computer Science

at the Cooperative State University Baden-Württemberg  
Ravensburg Campus Friedrichshafen

by

Max Mustermann

Juan Pérez

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Student ID, Course:	7654321, TIS21 1234567, TIM21
Company:	YXZ GmbH, 70435, Stuttgart ABC S.L., 08005, Barcelona, Spain
Supervisor in the Company:	John Appleseed

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## **Abstract**

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## List of Acronyms

<b>API</b>	Application Programming Interface
<b>HTTP</b>	Hypertext Transfer Protocol
<b>REST</b>	Representational State Transfer

## Glossary

<b>Exploit</b>	An exploit is a method or piece of code that takes advantage of vulnerabilities in software, applications, networks, operating systems, or hardware, typically for malicious purposes.
<b>Patch</b>	A patch is data that is intended to be used to modify an existing software resource such as a program or a file, often to fix bugs and security vulnerabilities.
<b>Vulnerability</b>	A Vulnerability is a flaw in a computer system that weakens the overall security of the system.

# 1 Introduction

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## 2 Examples

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### 2.1 Acronyms

Use the `acr` function to insert acronyms, which looks like this Hypertext Transfer Protocol (HTTP).

Application Programming Interfaces are used to define the interaction between different software systems.

REST is an architectural style for networked applications.

### 2.2 Glossary

Use the `gls` function to insert glossary terms, which looks like this:

A Vulnerability is a weakness in a system that can be exploited.

### 2.3 Lists

Create bullet lists or numbered lists.

- This
  - is a
  - bullet list
- 
1. It also
  2. works with
  3. numbered lists!

## 2.4 Figures and Tables

Create figures or tables like this:

### 2.4.1 Figures



Figure 1 — Image Example

### 2.4.2 Tables

	Area	Parameters
cylinder.svg	$\pi h \frac{D^2 - d^2}{4} \quad (1)$	<i>h</i> : height <i>D</i> : outer radius <i>d</i> : inner radius
tetrahedron.svg	$\frac{\sqrt{2}}{12} a^3 \quad (2)$	<i>a</i> : edge length

Table 1 — Table Example

## 2.5 Code Snippets

Insert code snippets like this:

```

1  const ReactComponent = () => {
2    return (
3      <div>
4        <h1>Hello World</h1>
5      </div>
6    );
7  };
8
9  export default ReactComponent;
```

Listing 1 — Codeblock Example

---

## 2.6 References

Cite like this International Organization for Standardization [1]. Or like this [1].

You can also reference by adding `<ref>` with the desired name after figures or headings.

For example this Table 1 references the table on the previous page.

### 3 Conclusion

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## References

- [1] International Organization for Standardization, "ISO/IEC 18004: Information technology – Automatic identification and data capture techniques – QR code bar code symbology specification," in *ISO/IEC 18004:2015*, 2015.