Template for Seminar Papers at the Business Informatics Group*

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Abstract. This abstract summarizes the content of this paper in about 70 to 150 words. ...

* This work has been created in the context of the course "Introduction to Science" (188444) in SS11.

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1 Introduction

This document is intended as a template and guideline and should support the author in the course of creating a seminar paper. Assessment criteria comprise the quality of the theoretical and/or practical work as well as structure, content and wording of the written seminar paper. Careful attention should be given to the basics of scientific work (e.g., correct citation).

2 Typographic Design

For working with LaTeX you can take advantage of a variety of books and free introductions and tutorials on the internet. A competent contact point for LaTeX beginners is the LaTeX Wikibook, which is available under `http://en.wikibooks.org/wiki/LaTeX`.

The following sections give examples of the most important LaTeX environments and commands.

2.1 Tables

Tables have to be realized with the help of the *table* environment. Tables shall be sequentially numbered for each chapter and described in terms of a short caption (cf. Table 1).

Name	**Date**	**Title**
Mustermann Adam	18.5	T1
Musterfrau Eva	22.6	T2

Table 1. Seminar for Master Students

2.2 Figures

Like tables, figures shall be sequentially numbered for each chapter and described in terms of a short caption). You could either produce your drawings directly inside Latex using PSTricks[1], Tikz[2], or any set of macros dedicated to your requirements (cf. Figure 1). Alternatively, you may include figures prepared in external tools (cf. Figure 2). Note, to ensure high quality printing, all figures must have at least 300 dpi.

[1] `http://tug.org/PSTricks`
[2] `http://sourceforge.net/projects/pgf`

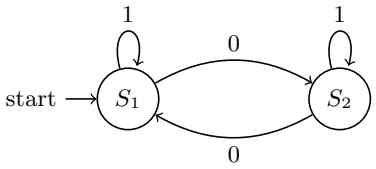

Fig. 1. Sample figure

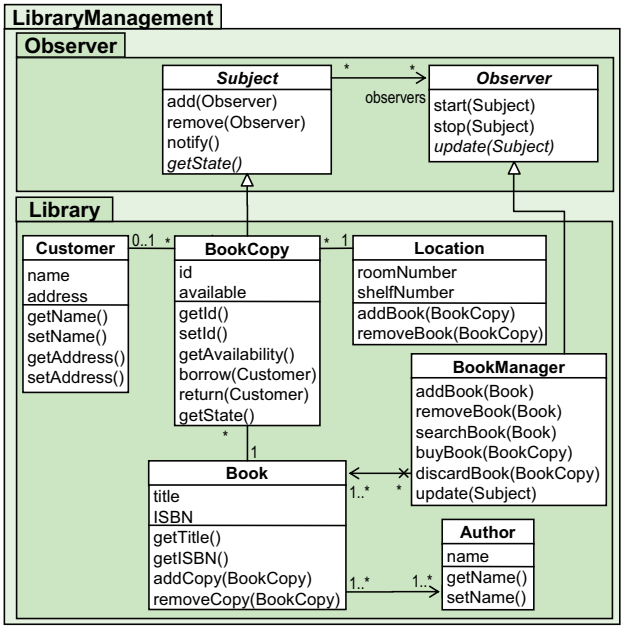

Fig. 2. Sample figure

2.3 Fonts

When introducing important terms for the first time use *emphasize*. For a consistent look and feel of proper names like Class Diagram and `Observer` pattern you may define macros in the main document `thesis.tex`.

2.4 Code

For short code fragments use the *verbatim* environment.

```
//Start Program
System.out.println("Hello World!");
//End Program
```

```
input  : A bitmap Im of size w × l
output: A partition of the bitmap
1  special treatment of the first line;
2  for i ← 2 to l do
3  |  special treatment of the first element of line i;
4  |  for j ← 2 to w do
5  |  |  left ← FindCompress(Im[i, j − 1]);
6  |  |  up ← FindCompress(Im[i − 1, ]);
7  |  |  this ← FindCompress(Im[i, j]);
8  |  |  if left compatible with this then ;                    // O(left,this)==1
9  |  |
10 |  |  |  if left < this then Union(left,this);
11 |  |  |  ;
12 |  |  |  else Union(this,left);
13 |  |  |  ;
14 |  |  end
15 |  |  if up compatible with this then ;                      // O(up,this)==1
16 |  |
17 |  |  |  if up < this then Union(up,this);
18 |  |  |  ;
   |  |  |  // this is put under up to keep tree as flat as possible
19 |  |  |  else Union(this,up);
   |  |  |  ;                                          // this linked to up
20 |  |  end
21 |  end
22 |  foreach element e of the line i do FindCompress(p);
23 end
```

Algorithm 1.1: Sample algorithm

A much better alternative is the *algorithm* environment (cf. Algorithm 1.1). This environment offers special formatting features for loops, operations and comments.

3 Bibliographic Issues

3.1 Literature Search

Information on online libraries and literature search, e.g., interesting magazines, journals, conferences, and organizations may be found at `http://www.big.tuwien.ac.at/teaching/info.html`.

3.2 BibTeX

BibTeX should be used for referencing.

The LaTeX source document of this pdf document provides you with different samples for references to journals [3], conference papers [6], books [2],

book chapters [7], electronic standards [5], dissertations [8], masters' theses [4], and web sites [1]. The respective BibTeX entries may be found in the file `references.bib`. For administration of the BibTeX references we recommend `http://www.citeulike.org` or JabRef for offline administration, respectively.

References

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