Chapter 1

Movement patterns

1.1 Introduction

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Begin numbered list

1. number 1

2. number 2

3. number 3

4. number 4

Begin bullet list

- this is a bullet

- this as well

1.2 Include graphics

To include graphics in the document, use the following template:

```
\begin{figure}[H]
\centering
\includegraphics[scale=0.8]{name_of_pic.png}
\captionsetup{justification=centering}
\caption{Write a nice caption}
\label{figure:labelforpicture}
\end{figure}
```

Figure 1.1: Write a nice caption

If you want to refer to a picture (or section/chapter/whatever) in the text, this can be done using the 'autoref' function. Figure 1.1 shows how to include graphics in a document. This also works for sections: chapter 1.

1.3 Tables

Use `http://www.tablesgenerator.com` for creating nice looking tables. Use the 'booktabs' style!!!

this	is	a
nice	looking	table
am	i	right?

Table 1.1: My caption

Unfortunately, LaTeX always places tables at the top or bottom of a page, so it will mostly mess up the layout! Use proper referencing in the text to make sure tables are read as they should! Table 1.1.

1.4 Referencing

It would be nice if everyone could go over the parts they have written in the mid-term review and find everything they have referenced. You can easily import biblatex styled references from google scholar. If you search in google scholar for a title, there is usually a link below the result, 'cite'. Then you can select 'bibtex' as an option to download a file. The text inside this file can be copied into the 'report.bib' file. If you want to cite an author, that can be done using the 'cite' option. i.e. this author was used in the mid term review: Let's cite! The Einstein's journal paper Mautz 2012 and the Dirac's book Meneses and Moreira 2012 are physics related items.

1.5 bold and italics

this text will be bold! *this text will be in italics*

Bibliography

Mautz, Rainer (2012). "Indoor positioning technologies". PhD thesis. Habilitationsschrift ETH Zürich, 2012.

Meneses, Filipe and Alberto Moreira (2012). "Large scale movement analysis from WiFi based location data". In: *Indoor Positioning and Indoor Navigation (IPIN), 2012 International Conference on*. IEEE, pp. 1–9.